

# TOOLS OF INDUSTRY

by

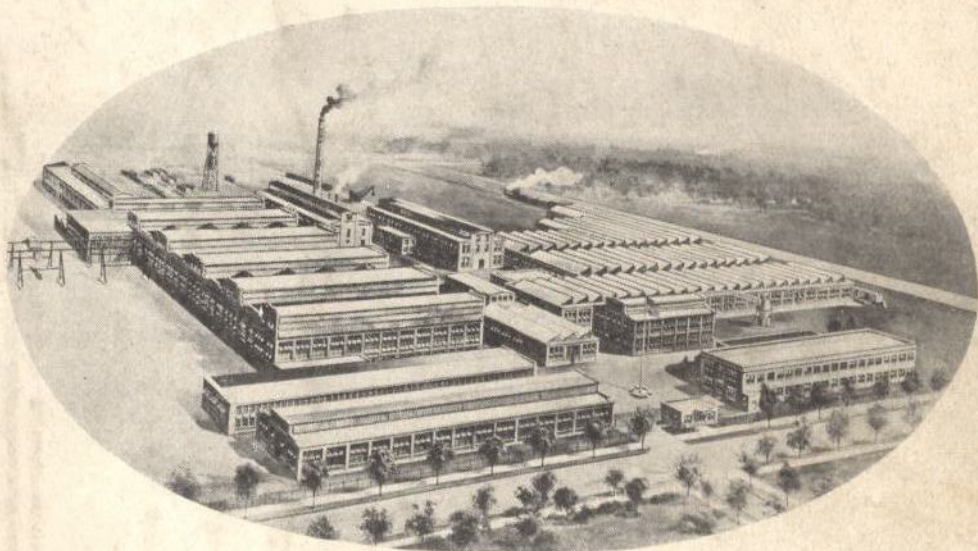


# WILLIAMS



# WILLIAMS

## DROP-FORGINGS AND DROP-FORGED TOOLS



### J. H. WILLIAMS & CO.

ESTABLISHED 1882 — INCORPORATED JULY 1, 1895

GENERAL OFFICES AND FACTORY

400 VULCAN STREET

BUFFALO 7, NEW YORK

DISTRICT SALES OFFICE

225 Lafayette St., New York 12

DISTRICT SALES OFFICES AND WAREHOUSES

117 North Jefferson Street, Chicago 6

2266 East 38th Street, Los Angeles 11

*1949 Edition*



### **Industrial Edition**

This Industrial Catalog supersedes all previous issues, which are hereby withdrawn. A separate Catalog covering additional Automotive Service tools is available on request. All Prices are subject to change without notice.

### **Cuts Illustrating Our Goods**

Furnished to customers; if desired, we will edit copy for printer and check proof.

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We are prepared to electric-weld rounds up to and including 1 1/8 inch diameter; by this means we can supply several of our stock specialties, such as Rod Ends, with shanks of any reasonable length.

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### **Guarantee**

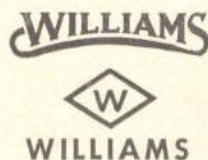
We guarantee all our product, whether Standard Stock goods, as described in this catalog, or Special Forgings made to order, to be free from imperfections of workmanship and material.

### **Cable Address, "WILLRICH, BUFFALO NY"**

Codes: Western Union, Lieber's Standard, Lieber's 5 Letter, "ABC" 5th Edition, Bentley's.

We are the sole makers of the following brands of drop-forged products:

**VULCAN  
SUPERRENCH  
SUPERSOCKET**



**AGRIPPA  
SUPERECTOR  
SUPERJUSTABLE**

J. H. Williams & Co., originated the first uniform line of fifteen-degree angle Wrenches, since generally adopted.

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|-----------------------|------|-------------------|-----------------|------------|-----------------------|------|-------------------|-----------------|------------|-----------------------|------|-------------------|-----------------|------------|
| CARBON STEEL WRENCHES |      |                   |                 |            | CARBON STEEL WRENCHES |      |                   |                 |            | CARBON STEEL WRENCHES |      |                   |                 |            |
| S-000                 | 2    | .03               | 6               | \$ .28     | 55A                   | 5    | 25.               | ..              | \$31.00    | 376                   | 18   | 4.                | ..              | \$ 3.70    |
| S-00                  | 2    | .05               | 6               | .28        | 55B                   | 5    | 25.               | ..              | 31.00      | 376A                  | 18   | 4.2               | ..              | 3.70       |
| 0                     | 2    | .06               | 6               | .28        | 57                    | 5    | 37.               | ..              | 47.00      | 378A                  | 18   | 4.9               | ..              | 4.50       |
| 1                     | 2    | .08               | 6               | .30        | 57B                   | 5    | 30.               | ..              | 47.00      | 379                   | 18   | 4.7               | ..              | 4.50       |
| 2                     | 2    | .13               | 6               | .36        | 58                    | 5    | 40.               | ..              | 62.00      | 382                   | 18   | 6.1               | ..              | 5.30       |
| 3                     | 2    | .20               | 6               | .44        | 58A                   | 5    | 48.5              | ..              | 62.00      | 382A                  | 18   | 6.3               | ..              | 5.30       |
| 4                     | 2    | .33               | 6               | .52        | 60                    | 5    | 48.               | ..              | 75.00      | 383B                  | 18   | 6.5               | ..              | 6.30       |
| 5                     | 2    | .42               | 6               | .64        | 60A                   | 5    | 48.               | ..              | 75.00      | 385                   | 18   | 6.7               | ..              | 6.30       |
| 6                     | 2    | .61               | 6               | .76        | 62                    | 5    | 67.               | ..              | 94.00      | 389                   | 18   | 9.6               | ..              | 9.00       |
| 6                     | 2    | .91               | 6               | .92        | 62A                   | 5    | 67.               | ..              | 94.00      | 389B                  | 18   | 9.4               | ..              | 9.00       |
| † 6A                  | 3    | .91               | 6               | .92        | 63A                   | 5    | 76.               | ..              | 135.00     |                       |      |                   |                 |            |
| 7                     | 3    | 1.3               | 6               | 1.14       | 64A                   | 5    | 118.              | ..              | 155.00     |                       |      |                   |                 |            |
| 8                     | 3    | 2.1               | 6               | 1.50       |                       |      |                   |                 |            |                       |      |                   |                 |            |
| 8A                    | 3    | 2.1               | 6               | 1.50       | 201                   | 16   | 27                | 6               | .75        | *403                  | 20   | .13               | ..              | .40        |
| 9                     | 3    | 2.7               | 6               | 2.30       | 201A                  | 16   | 27                | 6               | .75        | *404                  | 20   | .25               | ..              | .46        |
| 10                    | 3    | 3.5               | ..              | 3.20       | 201B                  | 16   | 27                | 6               | .75        | *405                  | 20   | .38               | ..              | .52        |
| 10A                   | 3    | 3.5               | ..              | 3.20       | 202                   | 16   | 27                | 6               | .75        | *406                  | 20   | .48               | ..              | .60        |
| 11                    | 3    | 4.6               | ..              | 4.20       | 203                   | 16   | .53               | 6               | .95        | *407                  | 20   | .64               | ..              | .68        |
| 11A                   | 3    | 4.5               | ..              | 4.20       | 203A                  | 16   | .53               | 6               | .95        | *408                  | 20   | .98               | ..              | .80        |
| 12                    | 3    | 5.8               | ..              | 5.70       | 204                   | 16   | .50               | 6               | .95        | *409                  | 20   | 1.2               | ..              | .96        |
| 12A                   | 3    | 5.8               | ..              | 5.70       | 204A                  | 16   | 1.                | 6               | .95        | *410                  | 20   | 1.3               | ..              | 1.16       |
| 13                    | 3    | 7.2               | ..              | 7.30       | 205                   | 16   | 1.                | 6               | 1.20       | *412                  | 20   | 2.6               | ..              | 1.70       |
| 13A                   | 3    | 7.2               | ..              | 7.30       | 205A                  | 16   | 1.                | 6               | 1.20       | 414                   | 20   | 4.1               | ..              | 5.50       |
| 14                    | 3    | 10.               | ..              | 9.20       | 206                   | 16   | 1.                | 6               | 1.20       | 415                   | 20   | 5.7               | ..              | 8.00       |
| 14A                   | 3    | 9.6               | ..              | 9.20       | 206B                  | 16   | 1.                | 6               | 1.20       | 416                   | 20   | 8.7               | ..              | 14.00      |
| 15                    | 3    | 11.1              | ..              | 11.20      | 207                   | 16   | 1.7               | 6               | 1.55       |                       |      |                   |                 |            |
| 15A                   | 3    | 11.2              | ..              | 11.20      | 207A                  | 16   | 1.7               | 6               | 1.55       | 418                   | 19   | .13               | ..              | .60        |
| 16                    | 3    | 13.6              | ..              | 13.40      | 208                   | 16   | 2.6               | 6               | 2.05       | 420                   | 19   | .17               | ..              | .66        |
| 16A                   | 3    | 13.7              | ..              | 13.40      | 208A                  | 16   | 2.6               | 6               | 2.05       | 422                   | 19   | .20               | ..              | .74        |
| 16B                   | 3    | 13.9              | ..              | 13.40      | 209                   | 16   | 3.7               | 6               | 2.70       | 424                   | 19   | .28               | ..              | .84        |
| 17                    | 3    | 18.9              | ..              | 20.50      | 209A                  | 16   | 3.7               | 6               | 2.70       | 426                   | 19   | .30               | ..              | .96        |
| 17A                   | 3    | 18.9              | ..              | 20.50      | 210                   | 16   | 5.3               | ..              | 3.60       | 428                   | 19   | .42               | ..              | 1.10       |
| 18                    | 3    | 28.1              | ..              | 29.50      | 210A                  | 16   | 5.2               | ..              | 3.60       | 430                   | 19   | .52               | ..              | 1.28       |
| 18A                   | 3    | 26.5              | ..              | 29.50      | 211                   | 16   | 7.3               | ..              | 5.30       | 432                   | 19   | .59               | ..              | 1.48       |
| 19                    | 3    | 33.3              | ..              | 42.00      | 211A                  | 16   | 7.2               | ..              | 5.30       | 434                   | 19   | .70               | ..              | 1.70       |
| 19A                   | 3    | 32.3              | ..              | 42.00      | 212                   | 16   | 7.3               | ..              | 5.30       | 436                   | 19   | .82               | ..              | 1.94       |
| 19B                   | 3    | 33.1              | ..              | 42.00      | 261A                  | 24   | .08               | 6               | .60        | 438                   | 19   | .89               | ..              | 2.20       |
| 19C                   | 3    | 31.5              | ..              | 42.00      | 261J                  | 25   | .08               | 6               | .60        | 440                   | 19   | 1.                | ..              | 2.50       |
| 20                    | 3    | 50.5              | ..              | 62.00      | 262D                  | 24   | .17               | 6               | .66        | 442                   | 19   | 1.1               | ..              | 2.90       |
| 20A                   | 3    | 50.4              | ..              | 62.00      | 262H                  | 25   | .17               | 6               | .66        | 452                   | 19   | .08               | 6               | .54        |
| 20B                   | 3    | 50.5              | ..              | 62.00      | 263A                  | 24   | .19               | 6               | .72        | 453                   | 19   | .11               | 6               | .58        |
| 21A                   | 3    | 90.5              | ..              | 114.00     | 263D                  | 24   | .20               | 6               | .72        | 454                   | 19   | .13               | 6               | .60        |
| 21B                   | 3    | 90.5              | ..              | 114.00     | 263H                  | 25   | .20               | 6               | .72        | 455                   | 19   | .17               | 6               | .62        |
| 21C                   | 3    | 85.               | ..              | 114.00     | 264A                  | 24   | .22               | 6               | .78        | 456                   | 19   | .20               | 6               | .66        |
| 22A                   | 3    | 156.              | ..              | 204.00     | 265A                  | 24   | .36               | 6               | .88        | 457                   | 19   | .23               | 6               | .70        |
| 22B                   | 3    | 149.              | ..              | 204.00     | 265D                  | 24   | .36               | 6               | .88        | 458                   | 19   | .31               | 6               | .72        |
| 25                    | 4    | .22               | 6               | .50        | 265H                  | 25   | .36               | 6               | .88        | 459                   | 19   | .33               | 6               | .78        |
| 27                    | 4    | .33               | 6               | .62        | 266D                  | 24   | .50               | 6               | .96        | 460                   | 19   | .44               | 6               | .84        |
| 27B                   | 4    | .33               | 6               | .62        | 266H                  | 25   | .52               | 6               | .96        | 461                   | 19   | .50               | 6               | .90        |
| 28                    | 4    | .42               | 6               | .74        | 267A                  | 24   | .67               | 6               | 1.08       | 462                   | 19   | .56               | 6               | .96        |
| 29                    | 4    | .48               | 6               | .74        | 267D                  | 24   | .67               | 6               | 1.08       | 463                   | 19   | .66               | 6               | 1.02       |
| 29B                   | 4    | .48               | 6               | .74        | 267H                  | 25   | .70               | 6               | 1.08       | 464                   | 19   | .70               | 6               | 1.08       |
| 29C                   | 4    | .47               | 6               | .74        | 268A                  | 24   | .92               | 6               | 1.20       | 466                   | 19   | 1.3               | 6               | 1.44       |
| 31                    | 4    | .70               | 6               | .90        | 268D                  | 24   | .94               | 6               | 1.20       | 468                   | 19   | 1.9               | 6               | 1.96       |
| 31B                   | 4    | .73               | 6               | .90        | 268H                  | 25   | .95               | 6               | 1.20       |                       |      |                   |                 |            |
| 32B                   | 4    | .98               | 6               | 1.10       | 268P                  | 25   | .92               | 6               | 1.20       | 471                   | 21   | .28               | 6               | 1.75       |
| 33A                   | 4    | .98               | 6               | 1.10       | 269A                  | 24   | 1.1               | 6               | 1.38       | 472                   | 21   | .52               | 6               | 2.00       |
| 33C                   | 4    | .97               | 6               | 1.10       | 269H                  | 25   | 1.                | 6               | 1.38       | 474                   | 21   | .95               | 6               | 2.75       |
| 34                    | 4    | 1.3               | 6               | 1.36       | 270D                  | 24   | 1.4               | 6               | 1.56       | 474A                  | 21   | 1.1               | 6               | 2.95       |
| 34A                   | 4    | 1.3               | 6               | 1.36       | 270S                  | 24   | 1.4               | 6               | 1.56       | 482                   | 21   | .33               | 6               | 1.50       |
| 36B                   | 4    | 2.                | 6               | 1.92       | 271A                  | 24   | 1.8               | 6               | 1.80       | 483                   | 21   | .59               | 6               | 2.20       |
| 37                    | 4    | 1.9               | 6               | 1.92       | 271D                  | 24   | 1.8               | ..              | 1.80       | 484                   | 21   | 1.                | 6               | 3.20       |
| 37A                   | 4    | 1.9               | 6               | 1.92       | 271H                  | 25   | 1.9               | ..              | 1.80       |                       |      |                   |                 |            |
| 39                    | 4    | 2.8               | ..              | 2.80       | 273A                  | 24   | 2.7               | ..              | 2.40       | *491                  | 20   | .20               | ..              | .30        |
| 39A                   | 4    | 2.7               | ..              | 2.80       | 273B                  | 24   | 2.7               | ..              | 2.40       | *493                  | 20   | .22               | ..              | .34        |
| 39B                   | 4    | 2.8               | ..              | 2.80       | 273H                  | 25   | 2.7               | ..              | 2.40       | *494                  | 20   | .23               | ..              | .36        |
| 39C                   | 4    | 2.5               | ..              | 2.80       | 274H                  | 25   | 3.5               | ..              | 2.70       | *495                  | 20   | .23               | ..              | .40        |
| 41                    | 5    | 3.8               | ..              | 3.80       | 275A                  | 24   | 4.1               | ..              | 3.00       | *496                  | 20   | .25               | ..              | .44        |
| 41B                   | 5    | 3.8               | ..              | 3.80       | 275D                  | 24   | 4.1               | ..              | 3.00       | *497                  | 20   | .25               | ..              | .48        |
| 42A                   | 5    | 5.8               | ..              | 5.30       | 276A                  | 24   | 5.1               | ..              | 3.44       | *498                  | 20   | .27               | ..              | .52        |
| 43                    | 5    | 5.8               | ..              | 5.30       | 276B                  | 24   | 5.1               | ..              | 3.44       |                       |      |                   |                 |            |
| 44A                   | 5    | 7.3               | ..              | 7.20       | 276H                  | 25   | 5.7               | ..              | 3.44       | 500                   | 12   | .04               | ..              | .28        |
| 45                    | 5    | 7.1               | ..              | 7.20       | 277A                  | 24   | 6.6               | ..              | 3.90       | 501                   | 12   | .09               | ..              | .34        |
| 45A                   | 5    | 6.7               | ..              | 7.20       | 278A                  | 24   | 8.                | ..              | 4.80       | 502                   | 12   | .16               | ..              | .42        |
| 47                    | 5    | 9.3               | ..              | 10.50      |                       |      |                   |                 |            | 503                   | 12   | .25               | ..              | .50        |
| 47B                   | 5    | 9.3               | ..              | 10.50      | 367                   | 18   | 1.4               | ..              | 1.50       | 504                   | 12   | .36               | ..              | .62        |
| 49                    | 5    | 11.9              | ..              | 14.00      | 367A                  | 18   | 1.4               | ..              | 1.50       | 505                   | 12   | .50               | ..              | .76        |
| 49A                   | 5    | 12.2              | ..              | 14.00      | 370                   | 18   | 2.6               | ..              | 2.50       | 506                   | 12   | .75               | ..              | .92        |
| 51                    | 5    | 13.3              | ..              | 19.80      | 370A                  | 18   | 2.6               | ..              | 2.50       | 507                   | 12   | .89               | ..              | 1.10       |
| 51A                   | 5    | 13.3              | ..              | 19.80      | 370B                  | 18   | 2.5               | ..              | 2.50       | 508                   | 12   | 1.3               | ..              | 1.36       |
| 53                    | 5    | 16.7              | ..              | 24.00      | 370C                  | 18   | 2.7               | ..              | 2.50       | 509                   | 12   | 1.5               | ..              | 1.68       |
| 53A                   | 5    | 16.5              | ..              | 24.00      | 372A                  | 18   | 3.3               | ..              | 3.10       | 510                   | 12   | 2.1               | ..              | 2.20       |
| 54C                   | 5    | 23.8              | ..              | 28.50      | 373                   | 18   | 3.1               | ..              | 3.10       | 511                   | 12   | 2.5               | ..              | 2.80       |

\*Not Machd.

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### LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

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|------------------------------|------|-------------------|-----------------|------------|------------------------------|------|-------------------|-----------------|------------|------------------------------|------|-------------------|-----------------|------------|
| <b>CARBON STEEL WRENCHES</b> |      |                   |                 |            | <b>CARBON STEEL WRENCHES</b> |      |                   |                 |            | <b>CARBON STEEL WRENCHES</b> |      |                   |                 |            |
| 525                          | 13   | .14               | 6               | \$ .48     | 623D                         | 7    | .08               | 6               | \$ .50     | 819AC                        | 9    | 34.8              | ..              | \$ 37.00   |
| 527                          | 13   | .23               | 6               | .58        | 624A                         | 7    | .11               | 6               | .50        | 819B                         | 9    | 24.6              | ..              | 29.00      |
| 529                          | 13   | .33               | 6               | .70        | 624B                         | 7    | .11               | 6               | .50        | 820                          | 9    | 41.5              | ..              | 50.00      |
| 531                          | 13   | .50               | 6               | .90        | 625                          | 7    | .11               | 6               | .50        | 820B                         | 9    | 41.5              | ..              | 50.00      |
| 533                          | 13   | .71               | 6               | 1.08       | 626S                         | 7    | .17               | 6               | .64        | H-808                        | 9    | 1.6               | ..              | 2.20       |
| 535                          | 13   | .95               | 6               | 1.30       | 627                          | 7    | .19               | 6               | .64        | H-808A                       | 9    | 1.6               | ..              | 2.20       |
| 537                          | 13   | 1.5               | 6               | 1.60       | 629                          | 7    | .23               | 6               | .72        | H-809                        | 9    | 2.5               | ..              | 2.95       |
| 539                          | 13   | 1.8               | ..              | 2.00       | 629D                         | 7    | .23               | 6               | .72        | H-809A                       | 9    | 2.5               | ..              | 2.95       |
| 541                          | 13   | 2.6               | ..              | 2.60       | 630B                         | 7    | .33               | 6               | .80        | H-810                        | 9    | 3.1               | ..              | 3.90       |
| 543                          | 13   | 3.6               | ..              | 3.50       | 630E                         | 7    | .33               | 6               | .80        | H-810A                       | 9    | 3.1               | ..              | 3.90       |
| 554                          | 14   | .45               | ..              | 1.12       | 631                          | 7    | .34               | 6               | .80        | H-811                        | 9    | 3.8               | ..              | 5.15       |
| 555                          | 14   | .56               | ..              | 1.24       | 631A                         | 7    | .34               | 6               | .80        | H-811A                       | 9    | 3.8               | ..              | 5.15       |
| 555B                         | 14   | .56               | ..              | 1.24       | 632C                         | 7    | .36               | 6               | 1.12       | H-812                        | 9    | 5.2               | ..              | 6.65       |
| 555C                         | 14   | .56               | ..              | 1.24       | 634A                         | 7    | .59               | 6               | 1.12       | H-813                        | 9    | 6.5               | ..              | 8.40       |
| 556                          | 14   | .80               | ..              | 1.44       | 634B                         | 7    | .59               | 6               | 1.12       | H-813A                       | 9    | 6.5               | ..              | 8.40       |
| 556B                         | 14   | .80               | ..              | 1.44       | 635D                         | 7    | .95               | 6               | 1.68       | H-814                        | 9    | 6.3               | ..              | 10.50      |
| 556C                         | 14   | .80               | ..              | 1.44       | 637                          | 7    | .89               | 6               | 1.68       | H-815                        | 9    | 10.3              | ..              | 13.00      |
| 557                          | 14   | .94               | ..              | 1.64       | 637A                         | 7    | .89               | 6               | 1.68       | H-815A                       | 9    | 10.3              | ..              | 13.00      |
| 562                          | 15   | .72               | ..              | 1.32       | 639                          | 7    | 1.7               | 6               | 2.60       | H-816                        | 9    | 13.8              | ..              | 17.50      |
| 562B                         | 15   | .72               | ..              | 1.32       | 640A                         | 7    | 1.6               | 6               | 2.60       | H-817                        | 9    | 17.9              | ..              | 24.00      |
| 563                          | 15   | .84               | ..              | 1.44       | 700                          | 2    | .09               | 6               | .30        | H-817A                       | 9    | 17.9              | ..              | 24.00      |
| 563B                         | 15   | .84               | ..              | 1.44       | 701                          | 2    | .13               | 6               | .36        | SF-818                       | 10   | 18.8              | ..              | 32.00      |
| 563C                         | 15   | .84               | ..              | 1.44       | 702                          | 2    | .20               | 6               | .44        | SF-818A                      | 10   | 19.3              | ..              | 32.00      |
| 563D                         | 15   | .84               | ..              | 1.44       | 703                          | 2    | .33               | 6               | .52        | SF-819                       | 10   | 23.6              | ..              | 39.00      |
| 563E                         | 15   | .84               | ..              | 1.44       | 704                          | 2    | .44               | 6               | .64        | SF-819A                      | 10   | 25.3              | ..              | 47.00      |
| 563F                         | 15   | .84               | ..              | 1.44       | 705                          | 2    | .64               | 6               | .76        | SF-819AC                     | 10   | 25.3              | ..              | 47.00      |
| 563G                         | 15   | .84               | ..              | 1.44       | 706                          | 2    | .89               | 6               | .92        | SF-819B                      | 10   | 23.6              | ..              | 39.00      |
| 563H                         | 15   | .84               | ..              | 1.44       | 707                          | 3    | 1.4               | 6               | 1.14       | SF-820                       | 10   | 29.5              | ..              | 60.00      |
| 564                          | 15   | 1.1               | ..              | 1.64       | 708A                         | 3    | 2                 | 6               | 1.50       | SF-820B                      | 10   | 29.5              | ..              | 60.00      |
| 564C                         | 15   | 1.1               | ..              | 1.64       | 709                          | 3    | 2.7               | 6               | 2.30       | SFH-808                      | 10   | 1.2               | ..              | 9.75       |
| 565                          | 15   | 1.2               | ..              | 1.94       | 721                          | 4    | .08               | 6               | .34        | SFH-808A                     | 10   | 1.2               | ..              | 9.75       |
| 565C                         | 15   | 1.2               | ..              | 1.94       | 723                          | 4    | .11               | 6               | .42        | SFH-809                      | 10   | 1.7               | ..              | 10.50      |
| 566                          | 15   | 1.6               | ..              | 2.40       | 725                          | 4    | .17               | 6               | .50        | SFH-809A                     | 10   | 1.7               | ..              | 10.50      |
| 566B                         | 15   | 1.6               | ..              | 2.40       | 725A                         | 4    | .17               | 6               | .50        | SFH-810                      | 10   | 2.4               | ..              | 11.45      |
| 566C                         | 15   | 1.6               | ..              | 2.40       | 725B                         | 4    | .17               | 6               | .50        | SFH-810A                     | 10   | 2.4               | ..              | 11.45      |
| 566D                         | 15   | 1.6               | ..              | 2.40       | 727                          | 4    | .25               | 6               | .62        | SFH-811                      | 10   | 3.4               | ..              | 12.70      |
| 567                          | 15   | 2.5               | ..              | 3.20       | 729                          | 4    | .39               | 6               | .74        | SFH-811A                     | 10   | 3.4               | ..              | 12.70      |
| 567B                         | 15   | 2.5               | ..              | 3.20       | 731                          | 4    | .75               | 6               | .90        | SFH-812                      | 10   | 5.5               | ..              | 14.20      |
| 567C                         | 15   | 2.5               | ..              | 3.20       | 731A                         | 4    | .75               | 6               | .90        | SFH-813                      | 10   | 5.8               | ..              | 15.95      |
| 567D                         | 15   | 2.5               | ..              | 3.20       | 731B                         | 4    | .75               | 6               | .90        | SFH-813A                     | 10   | 5.8               | ..              | 15.95      |
| 567E                         | 15   | 2.5               | ..              | 3.20       | 733                          | 4    | .97               | 6               | 1.10       | SFH-814                      | 10   | 7.6               | ..              | 18.00      |
| 567F                         | 15   | 2.5               | ..              | 3.20       | 735                          | 4    | .88               | 6               | 1.36       | SFH-815                      | 10   | 9.4               | ..              | 21.00      |
| 568                          | 15   | 3.3               | ..              | 4.40       | 737                          | 4    | 2                 | 6               | 1.92       | SFH-815A                     | 10   | 9.4               | ..              | 21.00      |
| 568B                         | 15   | 3.3               | ..              | 4.40       | 800                          | 8    | .08               | 6               | .36        | SFH-816                      | 10   | 13.5              | ..              | 25.50      |
| 568C                         | 15   | 3.3               | ..              | 4.40       | 801                          | 8    | .11               | 6               | .42        | SFH-817                      | 10   | 18.2              | ..              | 32.45      |
| 568D                         | 15   | 3.3               | ..              | 4.40       | 801A                         | 8    | .11               | 6               | .42        | SFH-817A                     | 10   | 18.2              | ..              | 32.45      |
| 568E                         | 15   | 3.3               | ..              | 4.40       | 802                          | 8    | .17               | 6               | .50        | 901                          | 17   | .33               | 6               | .80        |
| 568F                         | 15   | 3.3               | ..              | 4.40       | 802A                         | 8    | .17               | 6               | .50        | 901A                         | 17   | .33               | 6               | .80        |
| 568G                         | 15   | 3.3               | ..              | 4.40       | 803                          | 8    | .25               | 6               | .58        | 901B                         | 17   | .33               | 6               | .80        |
| 568H                         | 15   | 3.3               | ..              | 4.40       | 803A                         | 8    | .25               | 6               | .58        | 902                          | 17   | .33               | 6               | .80        |
| 580                          | 11   | .05               | 6               | .30        | 804                          | 8    | .38               | 6               | .70        | 903                          | 17   | .63               | 6               | 1.05       |
| 581                          | 11   | .08               | 6               | .34        | 804A                         | 8    | .38               | 6               | .70        | 903A                         | 17   | .63               | 6               | 1.05       |
| 582                          | 11   | .11               | 6               | .40        | 805                          | 8    | .52               | 6               | .84        | 904                          | 17   | .61               | 6               | 1.05       |
| 583                          | 11   | .17               | 6               | .48        | 805A                         | 8    | .52               | 6               | .84        | 904A                         | 17   | .61               | 6               | 1.05       |
| 584                          | 11   | .25               | 6               | .56        | 806                          | 8    | .69               | 6               | 1.00       | 905                          | 17   | 1.2               | 6               | 1.40       |
| 585                          | 11   | .33               | 6               | .68        | 806B                         | 8    | .69               | 6               | 1.00       | 905A                         | 17   | 1.2               | 6               | 1.40       |
| 586                          | 11   | .42               | 6               | .82        | 807                          | 8    | .95               | 6               | 1.24       | 906                          | 17   | 1.2               | 6               | 1.40       |
| 587                          | 11   | .61               | 6               | 1.00       | 807A                         | 8    | .95               | 6               | 1.24       | 906B                         | 17   | 1.2               | 6               | 1.40       |
| 588                          | 11   | .83               | 6               | 1.24       | 808                          | 8    | 1.4               | 6               | 1.56       | 907                          | 17   | 1.9               | 6               | 1.85       |
| 589                          | 11   | 1.2               | 6               | 1.62       | 808A                         | 8    | 1.4               | 6               | 1.56       | 907A                         | 17   | 1.9               | 6               | 1.85       |
| 590                          | 11   | 1.6               | 6               | 2.10       | 809                          | 8    | 2                 | 6               | 2.08       | 908                          | 17   | 2.9               | 6               | 2.35       |
| 601                          | 6    | .08               | 6               | .36        | 809A                         | 8    | 2                 | 6               | 2.08       | 908A                         | 17   | 2.9               | 6               | 2.35       |
| 601A                         | 6    | .08               | 6               | .36        | 810                          | 8    | 2.9               | ..              | 2.80       | 909                          | 17   | 4                 | 6               | 3.00       |
| 602                          | 6    | .12               | 6               | .44        | 810A                         | 8    | 2.9               | ..              | 2.80       | 909A                         | 17   | 4                 | 6               | 3.00       |
| 602A                         | 6    | .12               | 6               | .44        | 811                          | 8    | 3.1               | ..              | 3.70       | 910                          | 17   | 5.3               | ..              | 4.10       |
| 603                          | 6    | .16               | 6               | .52        | 811A                         | 8    | 3.1               | ..              | 3.70       | 910A                         | 17   | 5.3               | ..              | 4.10       |
| 603A                         | 6    | .16               | 6               | .52        | 812                          | 8    | 4.3               | ..              | 4.80       | 911                          | 17   | 7.4               | ..              | 6.15       |
| 604                          | 6    | .23               | 6               | .64        | 813                          | 8    | 5.8               | ..              | 6.00       | 911A                         | 17   | 7.4               | ..              | 6.15       |
| 604A                         | 6    | .23               | 6               | .64        | 813A                         | 8    | 5.8               | ..              | 6.00       | 912                          | 17   | 7.4               | ..              | 6.15       |
| 605                          | 6    | .33               | 6               | .76        | 814                          | 8    | 7.3               | ..              | 7.50       | 961A                         | 22   | .13               | 6               | .80        |
| 605A                         | 6    | .33               | 6               | .76        | 815                          | 8    | 8.9               | ..              | 9.20       | 961H                         | 23   | .13               | 6               | .80        |
| 606                          | 6    | .48               | 6               | .90        | 815A                         | 8    | 8.9               | ..              | 9.20       | 961J                         | 23   | .13               | 6               | .80        |
| 606B                         | 6    | .48               | 6               | .90        | 816                          | 8    | 11.9              | ..              | 12.50      | 962D                         | 23   | .22               | 6               | .88        |
| 607                          | 6    | .66               | 6               | 1.08       | 817                          | 8    | 16.2              | ..              | 17.00      | 962H                         | 23   | .22               | 6               | .88        |
| 607A                         | 6    | .66               | 6               | 1.08       | 817A                         | 8    | 16.2              | ..              | 17.00      | 963A                         | 22   | .3                | 6               | .98        |
| 608                          | 6    | 1.1               | 6               | 1.36       | 818                          | 8    | 20.3              | ..              | 22.00      | 963D                         | 22   | .3                | 6               | .98        |
| 608A                         | 6    | 1.1               | 6               | 1.36       | 818A                         | 9    | 20.3              | ..              | 22.00      | 963H                         | 23   | .3                | 6               | .98        |
| 609                          | 6    | 1.6               | 6               | 1.84       | 819                          | 9    | 24.5              | ..              | 29.00      | 964A                         | 22   | .31               | 6               | 1.04       |
| 609A                         | 6    | 1.6               | 6               | 1.84       | 819A                         | 9    | 34.5              | ..              | 37.00      |                              |      |                   |                 |            |

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### LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

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|-------------------------------------------------|------|-------------------|-----------------|------------|-------------------------------------------------|------|-------------------|-----------------|------------|-------------------------------------------------|------|-------------------|-----------------|------------|
| <b>CARBON STEEL WRENCHES</b>                    |      |                   |                 |            | <b>"SUPERRENCHES"</b><br>(Selected Alloy Steel) |      |                   |                 |            | <b>"SUPERRENCHES"</b><br>(Selected Alloy Steel) |      |                   |                 |            |
| 965A                                            | 22   | .45               | 6               | \$ 1.16    | V-132                                           | 50   | .28               | ..              | \$ 2.10    | 1150                                            | 34   | .02               | 6               | \$ .75     |
| 965D                                            | 22   | .45               | 6               | 1.16       | S-231                                           | 49   | 1.1               | ..              | 2.10       | 1151                                            | 34   | .03               | 6               | .81        |
| 965H                                            | 23   | .45               | 6               | 1.16       | †SV-238                                         | ..   | .59               | ..              | 1.58       | 1152                                            | 34   | .04               | 6               | .86        |
| 966D                                            | 22   | .63               | 6               | 1.26       | †S-239                                          | ..   | .26               | ..              | 1.89       | 1153                                            | 34   | .06               | 6               | .92        |
| 966H                                            | 23   | .63               | 6               | 1.26       | S-243                                           | 50   | .87               | ..              | 2.10       | 1159                                            | 44   | .05               | 6               | .93        |
| 967A                                            | 22   | .92               | 6               | 1.42       | SV-244                                          | 50   | .37               | ..              | 1.83       | 1159A                                           | 44   | .05               | 6               | .93        |
| 967D                                            | 22   | .92               | 6               | 1.42       |                                                 |      |                   |                 |            | 1160                                            | 44   | .08               | 6               | .95        |
| 967H                                            | 23   | .92               | 6               | 1.42       | 1000                                            | 29   | .07               | ..              | .50        | 1161                                            | 44   | .09               | 6               | 1.05       |
| 968A                                            | 22   | 1.1               | 6               | 1.54       | 1000A                                           | 29   | .09               | ..              | .50        | 1162                                            | 44   | .13               | 6               | 1.15       |
| 968D                                            | 22   | 1.1               | 6               | 1.54       | 1001                                            | 29   | .13               | ..              | .58        | 1163                                            | 44   | .21               | 6               | 1.24       |
| 968H                                            | 23   | 1.1               | 6               | 1.54       | 1002                                            | 29   | .22               | ..              | .73        | 1163A                                           | 44   | .21               | 6               | 1.24       |
| 968P                                            | 23   | 1.1               | 6               | 1.54       | 1003                                            | 29   | .33               | ..              | .90        | 1164                                            | 44   | .28               | 6               | 1.38       |
| 969A                                            | 22   | 1.3               | 6               | 1.74       | 1004                                            | 29   | .48               | ..              | 1.10       | 1165                                            | 44   | .38               | 6               | 1.52       |
| 969H                                            | 23   | 1.3               | 6               | 1.74       | 1005                                            | 29   | .65               | ..              | 1.31       | 1166                                            | 44   | .5                | 6               | 1.70       |
| 970D                                            | 22   | 1.6               | 6               | 1.96       | 1006                                            | 29   | .92               | ..              | 1.58       | 1166A                                           | 44   | .5                | 6               | 1.70       |
| 970S                                            | 22   | 1.6               | 6               | 1.96       | † 1006A                                         | ..   | .92               | ..              | 1.58       | 1167                                            | 44   | .75               | 6               | 1.85       |
| 971A                                            | 22   | 1.9               | 6               | 2.20       | 1007                                            | 29   | 1.5               | ..              | 1.96       | 1167A                                           | 44   | .75               | 6               | 1.78       |
| 971D                                            | 22   | 1.9               | ..              | 2.20       | 1008                                            | 29   | 2.2               | ..              | 2.63       | 1168                                            | 44   | 1.1               | 6               | 2.08       |
| 971H                                            | 23   | 1.9               | ..              | 2.20       | 1008A                                           | 29   | 2.2               | ..              | 2.63       | 1170                                            | 44   | 1.1               | 6               | 2.24       |
| 973A                                            | 22   | 2.9               | ..              | 3.00       | 1009                                            | 29   | 2.8               | ..              | 3.98       | 1171                                            | 44   | 1.8               | 6               | 2.70       |
| 973B                                            | 22   | 2.9               | ..              | 3.00       | 1010                                            | 29   | 3.9               | ..              | 5.56       | 1172                                            | 44   | 1.6               | 6               | 3.27       |
| 973H                                            | 23   | 2.9               | ..              | 3.00       | 1010A                                           | 29   | 3.9               | ..              | 5.56       | 1173                                            | 44   | 2.6               | ..              | 3.63       |
| 974H                                            | 23   | 3.5               | ..              | 3.40       | 1011                                            | 29   | 4.8               | ..              | 7.25       | 1174                                            | 44   | 2.6               | ..              | 4.63       |
| 975A                                            | 22   | 4.2               | ..              | 3.70       | 1011A                                           | 29   | 4.8               | ..              | 7.25       | 1176                                            | 44   | 3.9               | ..              | 5.03       |
| 975D                                            | 22   | 4.2               | ..              | 3.70       | 1012                                            | 29   | 6.2               | ..              | 9.86       |                                                 |      |                   |                 |            |
| 976A                                            | 22   | 5.3               | ..              | 4.24       | 1012A                                           | 29   | 6.2               | ..              | 9.86       |                                                 |      |                   |                 |            |
| 976B                                            | 22   | 5.3               | ..              | 4.24       | 1013                                            | 29   | 8.                | ..              | 12.75      | 1205                                            | 32   | 1.                | ..              | 1.95       |
| 976H                                            | 23   | 5.3               | ..              | 4.24       | 1013A                                           | 29   | 8.                | ..              | 12.75      | 1206B                                           | 32   | 1.                | ..              | 1.95       |
| 977A                                            | 22   | 7.2               | ..              | 4.80       | 1014                                            | 29   | 10.               | ..              | 16.06      | 1207                                            | 32   | 1.8               | ..              | 2.73       |
| 977P                                            | 23   | 7.2               | ..              | 4.80       | 1014A                                           | 29   | 10.               | ..              | 16.06      | 1207A                                           | 32   | 1.8               | ..              | 2.73       |
| 977X                                            | 23   | 7.2               | ..              | 4.80       |                                                 |      |                   |                 |            | 1208                                            | 32   | 2.7               | ..              | 3.68       |
| 978A                                            | 22   | 6.8               | ..              | 5.70       |                                                 |      |                   |                 |            | 1208A                                           | 32   | 2.7               | ..              | 3.68       |
| <b>CARBON SETS</b>                              |      |                   |                 |            | 1021S                                           | 30   | .09               | 6               | .56        | 1209                                            | 32   | 3.6               | ..              | 5.03       |
| 10A                                             | 5    | 12.5              | ..              | \$ 13.15   | 1025                                            | 30   | .18               | 6               | .92        | 1209A                                           | 32   | 3.6               | ..              | 5.03       |
| 25A                                             | 5    | 3.3               | ..              | *5.90      | 1027                                            | 30   | .26               | 6               | 1.30       | 1210                                            | 32   | 5.1               | ..              | 7.13       |
| †400                                            | ..   | 1.9               | ..              | 7.25       | 1027B                                           | 30   | .26               | 6               | 1.30       | 1211                                            | 32   | 7.                | ..              | 10.50      |
| 401                                             | 21   | 3.                | ..              | 9.45       | 1028                                            | 30   | .37               | 6               | 1.30       | 1212                                            | 32   | 7.                | ..              | 10.50      |
| <b>"ALWAYS READY"</b>                           |      |                   |                 |            | 1029                                            | 30   | .49               | 6               | 1.69       | 1312                                            | 43   | .07               | 6               | 1.20       |
| 1                                               | 26   | .37               | ..              | \$ 1.25    | 1029B                                           | 30   | .49               | 6               | 1.69       | 1314                                            | 43   | .1                | 6               | 1.23       |
| 2                                               | 26   | .75               | ..              | 1.55       | 1029C                                           | 30   | .49               | 6               | 1.69       | 1316                                            | 43   | .17               | 6               | 1.35       |
| 2½                                              | 26   | 1.7               | ..              | 2.40       | 1031                                            | 30   | .66               | 6               | 1.69       | 1318                                            | 43   | .19               | 6               | 1.46       |
| 3                                               | 26   | 2.7               | ..              | 3.50       | 1031B                                           | 30   | .66               | 6               | 1.69       | 1320                                            | 43   | .25               | 6               | 1.63       |
| Bull T.                                         | ..   | .31               | ..              | .75        | 1032B                                           | 30   | .79               | 6               | 1.69       | 1322                                            | 43   | .44               | 6               | 1.78       |
| <b>"BULL DOG"</b>                               |      |                   |                 |            | 1033A                                           | 30   | .79               | 6               | 1.69       | 1324                                            | 43   | .44               | 6               | 1.95       |
| 1                                               | 26   | .25               | 6               | \$ .45     | 1033C                                           | 30   | .89               | 6               | 2.29       | 1328                                            | 43   | .54               | 6               | 2.10       |
| 1½                                              | 26   | .29               | 6               | .75        | 1034                                            | 30   | 1.2               | 6               | 2.15       | 1332                                            | 43   | .69               | 6               | 2.25       |
| 1¾                                              | 26   | .56               | 6               | 1.10       | 1034A                                           | 30   | 1.2               | 6               | 2.29       | 1334                                            | 43   | 1.                | 6               | 2.51       |
| 2                                               | 26   | .86               | 6               | 1.20       | 1036B                                           | 30   | 1.7               | 6               | 2.68       | 1336                                            | 43   | 1.                | 6               | 2.51       |
| 2½                                              | 26   | 1.4               | 6               | 1.85       | 1037                                            | 30   | 1.7               | 6               | 3.13       | 1471                                            | 48   | .28               | 6               | 3.20       |
| 3                                               | 26   | 3.1               | ..              | 2.80       | 1037A                                           | 30   | 1.7               | 6               | 3.13       | 1472                                            | 48   | .54               | 6               | 3.70       |
| 3½                                              | 26   | 4.3               | ..              | 3.70       | 1039                                            | 30   | 2.2               | ..              | 4.58       | 1474                                            | 48   | .94               | 6               | 5.10       |
| 4                                               | 26   | 7.9               | ..              | 5.60       | 1039A                                           | 30   | 2.2               | ..              | 4.58       |                                                 |      |                   |                 |            |
| 4½                                              | 26   | 10.1              | ..              | 8.50       | 1039B                                           | 30   | 2.2               | ..              | 4.19       | 1700                                            | 29   | .09               | ..              | .50        |
| 5                                               | 26   | 13.8              | ..              | 11.00      | 1039C                                           | 30   | 2.2               | ..              | 4.58       | 1701                                            | 29   | .13               | ..              | .58        |
| Twin                                            | 26   | 1.1               | ..              | 1.90       | 1041                                            | 30   | 4.1               | ..              | 6.47       | 1702                                            | 29   | .22               | ..              | .73        |
| <b>ADJUSTABLE WRENCHES</b>                      |      |                   |                 |            | 1041B                                           | 30   | 4.1               | ..              | 6.83       | 1703                                            | 29   | .33               | ..              | .90        |
| 4 in.                                           | 27   | .11               | 6               | \$ 1.00    | 1090                                            | 46   | .09               | ..              | 1.02       | 1704                                            | 29   | .48               | ..              | 1.10       |
| 6 in.                                           | 27   | .28               | 6               | 1.00       | 1090A                                           | 46   | .09               | ..              | 1.02       | 1705                                            | 29   | .65               | ..              | 1.31       |
| 8 in.                                           | 27   | .52               | 6               | 1.25       | 1090D                                           | 46   | .19               | ..              | 1.02       | 1706                                            | 29   | .92               | ..              | 1.58       |
| 10 in.                                          | 27   | .88               | 6               | 1.50       | 1090G                                           | 46   | .19               | ..              | 1.02       | 1707                                            | 29   | 1.5               | ..              | 1.96       |
| 12 in.                                          | 27   | 1.5               | 6               | 2.30       | 1092                                            | 46   | .22               | ..              | 1.09       | 1709                                            | 29   | 2.7               | ..              | 3.98       |
| 15 in.                                          | 27   | 3.4               | 6               | 3.50       | 1092F                                           | 46   | .22               | ..              | 1.09       |                                                 |      |                   |                 |            |
| 18 in.                                          | 27   | 5.6               | ..              | 5.10       | 1094                                            | 46   | .34               | ..              | 1.16       | 1720                                            | 30   | .09               | 6               | .60        |
| Pts. Ass't                                      | 27   | 2.5               | ..              | 13.04      | 1094G                                           | 46   | .34               | ..              | 1.16       | 1721                                            | 30   | .08               | 6               | .60        |
| <b>"SUPERJUSTABLE" ALLOY WRENCHES</b>           |      |                   |                 |            | 1096                                            | 46   | .41               | ..              | 1.39       | †1721BR                                         | ..   | .07               | ..              | .79        |
| 4 in.                                           | 28   | .11               | 6               | \$ 1.29    | 1106                                            | 34   | .02               | 6               | .74        | 1723                                            | 30   | .1                | 6               | .70        |
| 6 in.                                           | 28   | .27               | 6               | 1.29       | 1107                                            | 34   | .02               | 6               | .77        | 1725                                            | 30   | .16               | 6               | .77        |
| 8 in.                                           | 28   | .52               | 6               | 1.52       | 1108                                            | 34   | .03               | 6               | .81        | 1725A                                           | 30   | .16               | 6               | .84        |
| 10 in.                                          | 28   | .90               | 6               | 1.94       | 1108A                                           | 34   | .03               | 6               | .81        | 1725B                                           | 30   | .16               | 6               | .84        |
| 12 in.                                          | 28   | 1.6               | 6               | 2.87       | 1109                                            | 34   | .03               | 6               | .84        | 1727                                            | 30   | .26               | 6               | .99        |
| 15 in.                                          | 28   | 3.6               | 6               | 4.22       | 1112                                            | 34   | .01               | 6               | .74        | 1729                                            | 30   | .37               | 6               | 1.27       |
| 18 in.                                          | 28   | 6.                | ..              | 7.00       | 1113                                            | 34   | .01               | 6               | .74        | 1731                                            | 30   | .6                | 6               | 1.69       |
| Pts. Ass't                                      | 28   | 2.5               | ..              | 14.80      | 1114                                            | 34   | .01               | 6               | .74        | 1731A                                           | 30   | .6                | 6               | 1.69       |
| <b>"SUPERRENCHES"</b><br>(Selected Alloy Steel) |      |                   |                 |            | 1115                                            | 34   | .01               | 6               | .74        | 1731B                                           | 30   | .6                | 6               | 1.69       |
| A-100                                           | 46   | .25               | ..              | \$ 1.23    | 1116                                            | 34   | .01               | 6               | .77        | †1731BR                                         | ..   | .98               | ..              | 4.52       |
| A-100A                                          | 46   | .25               | ..              | 1.23       | 1118                                            | 34   | .03               | 6               | .81        | 1733                                            | 30   | .89               | 6               | 2.29       |
| A-100B                                          | 46   | .25               | ..              | 1.23       | 1120                                            | 34   | .03               | 6               | .81        | 1735                                            | 30   | 1.7               | 6               | 2.68       |
| A-100C                                          | 46   | .25               | ..              | 1.23       | 1122                                            | 34   | .04               | 6               | .84        | †1735BR                                         | ..   | 1.9               | ..              | 6.04       |
| A-101                                           | 46   | .31               | ..              | 1.23       | 1124                                            | 34   | .04               | 6               | .84        | 1737                                            | 30   | 1.7               | 6               | 3.13       |
|                                                 |      |                   |                 |            | 1128                                            | 34   | .07               | 6               | .92        | 1800A                                           | 35   | .07               | ..              | .63        |
|                                                 |      |                   |                 |            | 1132                                            | 34   | .07               | 6               | .92        | 1801                                            | 35   | .11               | ..              | .77        |
|                                                 |      |                   |                 |            |                                                 |      |                   |                 |            | 1802                                            | 35   | .19               | ..              | .90        |

\* Leatherette Roll

† Discontinued

## NUMERICAL INDEX

### LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

| Wrench No.                                      | Page | Weight Each, Lbs. | Min. Order Qty. | List Price | Wrench No.                                      | Page | Weight Each, Lbs. | Min. Order Qty. | List Price | Wrench No.                                         | Page | Weight Each, Lbs. | Min. Order Qty. | List Price |
|-------------------------------------------------|------|-------------------|-----------------|------------|-------------------------------------------------|------|-------------------|-----------------|------------|----------------------------------------------------|------|-------------------|-----------------|------------|
| <b>"SUPERRENCHES"</b><br>(Selected Alloy Steel) |      |                   |                 |            | <b>"SUPERRENCHES"</b><br>(Selected Alloy Steel) |      |                   |                 |            | <b>"SUPERRENCHES"</b><br>(Selected Alloy Steel)    |      |                   |                 |            |
| 1802A                                           | 35   | .19               | ..              | \$ .90     | †1992                                           | ..   | .87               | ..              | \$ 2.05    | 8809                                               | 38   | 3.6               | ..              | \$ 6.05    |
| 1803                                            | 35   | .31               | ..              | 1.05       | †1992A                                          | ..   | .87               | ..              | 2.05       | 8809A                                              | 38   | 3.6               | ..              | 6.37       |
| 1803A                                           | 35   | .31               | ..              | 1.05       | †1995                                           | ..   | .42               | ..              | 2.36       | 8810                                               | 38   | 3.9               | ..              | 6.80       |
| 1804                                            | 35   | .36               | ..              | 1.20       | 1997                                            | 51   | .18               | ..              | 1.36       | 8810A                                              | 38   | 3.9               | ..              | 6.90       |
| 1804A                                           | 35   | .36               | ..              | 1.20       | 1998B                                           | 51   | .19               | ..              | .97        | 8811                                               | 38   | 5.4               | ..              | 7.13       |
| 1805                                            | 35   | .45               | ..              | 1.47       | 1999                                            | 48   | 1.2               | 6               | 4.20       | 8811A                                              | 38   | 5.4               | ..              | 7.29       |
| 1805A                                           | 35   | .45               | ..              | 1.47       | 6025                                            | 40   | .14               | 6               | .99        | 8812                                               | 38   | 5.5               | ..              | 7.45       |
| 1806                                            | 35   | .68               | ..              | 1.78       | 6723                                            | 40   | .08               | 6               | .95        | 8813                                               | 38   | 7.2               | ..              | 9.28       |
| † 1806A                                         | ..   | .68               | ..              | 1.78       | 6725                                            | 40   | .11               | 6               | .95        | 8813A                                              | 38   | 7.2               | ..              | 9.28       |
| 1806B                                           | 35   | .68               | ..              | 1.78       | 6725A                                           | 40   | .14               | 6               | .99        | 8814                                               | 38   | 7.9               | ..              | 10.27      |
| 1807                                            | 35   | .89               | ..              | 2.15       | 6725B                                           | 40   | .14               | 6               | .99        | 8815                                               | 38   | 9.7               | ..              | 11.42      |
| 1807A                                           | 35   | .89               | ..              | 2.15       | 6727                                            | 40   | .18               | 6               | 1.09       | 8815A                                              | 38   | 9.7               | ..              | 11.42      |
| 1808                                            | 35   | 1.5               | ..              | 2.73       | 7025                                            | 40   | .22               | 6               | 1.06       | 8816                                               | 38   | 10.8              | ..              | 15.55      |
| 1808A                                           | 35   | 1.5               | ..              | 2.73       | 7027                                            | 40   | .51               | 6               | 1.31       | 8816B                                              | 38   | 10.8              | ..              | 17.37      |
| 1809                                            | 35   | 1.9               | ..              | 3.68       | 7029                                            | 40   | .51               | 6               | 1.46       | 8817                                               | 38   | 11.9              | ..              | 20.53      |
| 1809A                                           | 35   | 1.9               | ..              | 3.68       | 7029B                                           | 40   | .51               | 6               | 1.39       | 8817A                                              | 38   | 11.9              | ..              | 20.53      |
| 1810                                            | 35   | 2.9               | ..              | 4.93       | 7031                                            | 40   | .66               | 6               | 1.69       | 8905                                               | 37   | 1.2               | ..              | 2.70       |
| 1810A                                           | 35   | 2.9               | ..              | 4.93       | 7031B                                           | 40   | .66               | 6               | 1.69       | 8905A                                              | 37   | 1.2               | ..              | 2.70       |
| 1811                                            | 35   | 3.1               | ..              | 6.52       | 7033A                                           | 40   | .95               | 6               | 2.67       | 8906                                               | 37   | 1.4               | ..              | 2.98       |
| 1811A                                           | 35   | 3.1               | ..              | 6.52       | 7033C                                           | 40   | .95               | 6               | 2.67       | 8906B                                              | 37   | 1.4               | ..              | 2.98       |
| 1812                                            | 35   | 4.3               | ..              | 8.45       | 7034A                                           | 40   | 1.3               | 6               | 3.04       | 8907                                               | 37   | 2.1               | ..              | 3.06       |
| H-1808                                          | 36   | 1.6               | ..              | 3.62       | 7037                                            | 40   | 1.8               | 6               | 3.40       | 8907A                                              | 37   | 2.1               | ..              | 3.15       |
| H-1808A                                         | 36   | 1.6               | ..              | 3.62       | 7037A                                           | 40   | 2.4               | 6               | 3.52       | 8908                                               | 37   | 2.5               | ..              | 3.31       |
| H-1809                                          | 36   | 2.3               | ..              | 4.88       | 7039                                            | 40   | 2.4               | ..              | 4.03       | 8908A                                              | 37   | 2.5               | ..              | 3.31       |
| H-1809A                                         | 36   | 2.3               | ..              | 4.88       | 7039A                                           | 40   | 2.4               | ..              | 4.03       | 8909                                               | 37   | 3.8               | ..              | 4.39       |
| H-1810                                          | 36   | 3.1               | ..              | 6.57       | 7039B                                           | 40   | 2.4               | ..              | 3.52       | 8909A                                              | 37   | 3.8               | ..              | 4.72       |
| H-1810A                                         | 36   | 3.1               | ..              | 6.57       | 7040B                                           | 40   | 5.6               | ..              | 4.75       | 8910                                               | 37   | 4.6               | ..              | 5.13       |
| H-1811                                          | 36   | 3.8               | ..              | 8.67       | 7041                                            | 40   | 5.6               | ..              | 5.85       | 8910A                                              | 37   | 4.6               | ..              | 5.30       |
| H-1811A                                         | 36   | 3.8               | ..              | 8.67       | 7223                                            | 40   | .13               | 6               | .95        | 8911                                               | 37   | 5.8               | ..              | 5.46       |
| H-1812                                          | 36   | 5.4               | ..              | 11.23      | 7225                                            | 40   | .16               | 6               | .95        | 8911A                                              | 37   | 5.8               | ..              | 5.63       |
| H-1813                                          | 36   | 6.5               | ..              | 14.23      | 7225A                                           | 40   | .22               | 6               | .99        | 8912                                               | 37   | 6.5               | ..              | 5.80       |
| H-1813A                                         | 36   | 6.5               | ..              | 14.23      | 7225B                                           | 40   | .22               | 6               | .99        | 8913                                               | 37   | 8.4               | ..              | 7.61       |
| H-1814                                          | 36   | 7.8               | ..              | 17.75      | 7227                                            | 40   | .31               | 6               | 1.08       | 8914                                               | 37   | 9.5               | ..              | 8.61       |
| H-1815                                          | 36   | 10.3              | ..              | 29.45      | 7227A                                           | 40   | .48               | 6               | 1.31       | 8915                                               | 37   | 10.6              | ..              | 9.78       |
| H-1815A                                         | 36   | 10.3              | ..              | 29.45      | 7229                                            | 40   | .48               | 6               | 1.24       | 8916                                               | 37   | 12.1              | ..              | 11.40      |
| H-1816                                          | 36   | 12.5              | ..              | 42.22      | 7229A                                           | 40   | .66               | 6               | 1.54       | 9025                                               | 41   | .22               | 6               | .97        |
| H-1817                                          | 36   | 16.3              | ..              | 57.75      | 7231A                                           | 40   | .66               | 6               | 1.54       | 9723                                               | 41   | .1                | 6               | .90        |
| H-1817A                                         | 36   | 16.3              | ..              | 57.75      | 7231B                                           | 40   | .66               | 6               | 1.69       | 9725                                               | 41   | .19               | 6               | .97        |
| SFH-1808                                        | 39   | 1.4               | ..              | 6.56       | 7733                                            | 40   | .94               | 6               | 2.67       | 9725A                                              | 41   | .22               | 6               | .97        |
| SFH-1808A                                       | 39   | 1.4               | ..              | 6.56       | 7735                                            | 40   | 2.                | 6               | 3.04       | 9725B                                              | 41   | .22               | 6               | .97        |
| SFH-1809                                        | 39   | 2.1               | ..              | 6.73       | 7735A                                           | 40   | 2.                | 6               | 3.04       | 9727                                               | 41   | .29               | 6               | 1.07       |
| SFH-1809A                                       | 39   | 2.1               | ..              | 6.90       | 7742B                                           | 40   | 5.6               | ..              | 5.85       | <b>"SUPERRENCH" SETS</b><br>(Selected Alloy Steel) |      |                   |                 |            |
| SFH-1810                                        | 39   | 3.                | ..              | 11.42      | 8025                                            | 41   | .43               | 6               | 1.12       | 106                                                | 47   | 1.8               | ..              | * 8.53     |
| SFH-1810A                                       | 39   | 3.                | ..              | 12.21      | 8027                                            | 41   | .84               | 6               | 1.30       | 108                                                | 47   | 2.4               | ..              | *11.24     |
| SFH-1811                                        | 39   | 3.9               | ..              | 12.94      | 8029                                            | 41   | .84               | 6               | 1.41       | 1001                                               | 84   | 90.5              | ..              | 220.42     |
| SFH-1811A                                       | 39   | 3.9               | ..              | 13.73      | 8029B                                           | 41   | .84               | 6               | 1.41       | †1001B                                             | ..   | 69                | ..              | 160.81     |
| SFH-1812                                        | 39   | 5.5               | ..              | 14.49      | 8031                                            | 41   | 1.                | 6               | 1.41       | 1005S                                              | 31   | 1.4               | ..              | *10.32     |
| SFH-1813                                        | 39   | 6.8               | ..              | 15.25      | 8031B                                           | 41   | 1.                | 6               | 1.41       | 1025A                                              | 31   | 2.3               | ..              | * 9.53     |
| SFH-1813A                                       | 39   | 6.8               | ..              | 16.01      | 8033A                                           | 41   | 1.1               | 6               | 2.05       | 1032                                               | 47   | 1.3               | ..              | * 7.36     |
| SFH-1814                                        | 39   | 8.2               | ..              | 19.84      | 8033C                                           | 41   | 1.1               | 6               | 2.05       | 1042                                               | 47   | 1.9               | ..              | * 9.98     |
| SFH-1815                                        | 39   | 10.7              | ..              | 20.63      | 8034A                                           | 41   | 1.3               | 6               | 3.10       | †1063                                              | ..   | 1.8               | ..              | * 5.78     |
| SFH-1815A                                       | 39   | 10.8              | ..              | 21.39      | 8037                                            | 41   | 2.1               | 6               | 3.42       | †1140                                              | ..   | .39               | ..              | * 7.82     |
| SFH-1816                                        | 39   | 13.5              | ..              | 22.15      | 8037A                                           | 41   | 3.3               | 6               | 3.42       | †1140P                                             | ..   | .5                | ..              | * 9.77     |
| SFH-1817                                        | 39   | 18.2              | ..              | 27.53      | 8039                                            | 41   | 3.3               | ..              | 4.52       | 1141P                                              | 34   | .5                | ..              | *11.17     |
| SFH-1817A                                       | 39   | 18.2              | ..              | 26.74      | 8039A                                           | 41   | 3.3               | ..              | 4.52       | †1148P                                             | ..   | .23               | ..              | * 5.41     |
| 1905                                            | 33   | 1.2               | ..              | 2.37       | 8039B                                           | 41   | 3.3               | ..              | 4.60       | 1149                                               | 34   | .13               | ..              | * 4.37     |
| 1906B                                           | 33   | 1.2               | ..              | 2.37       | 8040B                                           | 41   | 6.3               | ..              | 4.68       | 1149P                                              | 34   | .25               | ..              | * 5.87     |
| 1907                                            | 33   | 1.9               | ..              | 3.30       | 8041                                            | 41   | 5.7               | ..              | 8.10       | 1154S                                              | 34   | .19               | ..              | * 3.84     |
| 1907A                                           | 33   | 1.9               | ..              | 3.30       | 8045                                            | 41   | 8.5               | ..              | 10.32      | †1168S                                             | ..   | .8                | ..              | 5.67       |
| 1908                                            | 33   | 2.8               | ..              | 4.47       | 8049                                            | 41   | 10.2              | ..              | 17.00      | †1169S                                             | ..   | 1.7               | ..              | 10.55      |
| 1908A                                           | 33   | 2.8               | ..              | 4.47       | 8053                                            | 41   | 14.7              | ..              | 1.01       | 1170S                                              | 45   | 2.2               | ..              | * 9.62     |
| 1909                                            | 33   | 4.1               | ..              | 6.15       | 8723                                            | 41   | .26               | 6               | 1.01       | 1171S                                              | 45   | 6.6               | ..              | 13.79      |
| 1909A                                           | 33   | 4.1               | ..              | 6.15       | 8725                                            | 41   | .37               | 6               | 1.12       | 1172S                                              | 45   | 12.9              | ..              | 31.34      |
| 1910                                            | 33   | 5.6               | ..              | 8.50       | 8725A                                           | 41   | .43               | 6               | 1.12       | 1173S                                              | 45   | 1.                | ..              | * 9.28     |
| 1910A                                           | 33   | 5.6               | ..              | 8.50       | 8725B                                           | 41   | .43               | 6               | 1.17       | †1285                                              | ..   | 1.3               | ..              | 10.19      |
| 1911                                            | 33   | 7.9               | ..              | 12.87      | 8727                                            | 41   | .59               | 6               | 1.30       | †1285P                                             | ..   | 1.4               | ..              | 12.13      |
| 1911A                                           | 33   | 7.9               | ..              | 12.87      | 8727A                                           | 41   | .8                | 6               | 1.41       | †1286PR                                            | ..   | 2.1               | ..              | 19.42      |
| 1912                                            | 33   | 7.9               | ..              | 12.87      | 8729                                            | 41   | .8                | 6               | 1.41       | †1291                                              | ..   | 1.5               | ..              | 14.70      |
| †1956                                           | ..   | 1.8               | ..              | 3.15       | 8731A                                           | 41   | 1.                | 6               | 1.75       | †1291P                                             | ..   | 1.5               | ..              | 16.64      |
| 1960                                            | 52   | .21               | ..              | 1.86       | 8731B                                           | 41   | 1.                | 6               | 2.05       | †1292PR                                            | ..   | 2.4               | ..              | 24.99      |
| 1961                                            | 52   | .34               | ..              | 1.99       | 8733                                            | 41   | 1.4               | 6               | 3.42       | 1400                                               | 48   | 1.8               | ..              | *12.90     |
| 1966A                                           | 49   | .96               | ..              | 1.41       | 8735                                            | 41   | 2.3               | 6               | 3.42       | 1712A                                              | 31   | 10.5              | ..              | 25.21      |
| 1981A                                           | 49   | .84               | ..              | 2.25       | 8735A                                           | 41   | 2.3               | 6               | 4.68       | 2001                                               | 86   | 118.5             | ..              | 292.23     |
| †1983                                           | ..   | .15               | ..              | 2.21       | 8742B                                           | 41   | 5.8               | ..              | 4.72       | 6703                                               | 42   | .44               | ..              | * 3.49     |
| 1984X                                           | 49   | .53               | ..              | 7.05       | 8807                                            | 38   | 2.2               | ..              | 4.80       | 7006                                               | 42   | 3.4               | ..              | *10.26     |
| †1987                                           | ..   | 2.                | ..              | 1.73       | 8807A                                           | 38   | 2.2               | ..              | 4.97       | 8005A                                              | 42   | 10.6              | ..              | 12.68      |
| †1990                                           | ..   | .21               | ..              | 1.73       | 8808                                            | 38   | 2.6               | ..              | 5.30       | 8006                                               | 42   | 3.4               | ..              | * 9.97     |
| †1990A                                          | ..   | .17               | ..              | 1.73       | 8808A                                           | 38   | 2.6               | ..              | ..         | 9703                                               | 42   | .44               | ..              | * 3.69     |
| †1990B                                          | ..   | .21               | ..              | 1.73       |                                                 |      |                   |                 |            |                                                    |      |                   |                 |            |
| †1990C                                          | ..   | .21               | ..              | 1.73       |                                                 |      |                   |                 |            |                                                    |      |                   |                 |            |

\* In Leatherette Roll.

† Discontinued

## NUMERICAL INDEX

### LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

| Wrench No.            | Page | Weight Each, Lbs. | Min. Order Qty. | List Price | Wrench No.            | Page | Weight Each, Lbs. | Min. Order Qty. | List Price | Wrench No.            | Page | Weight Each, Lbs. | Min. Order Qty. | List Price |
|-----------------------|------|-------------------|-----------------|------------|-----------------------|------|-------------------|-----------------|------------|-----------------------|------|-------------------|-----------------|------------|
| <b>"SUPERSOCKETS"</b> |      |                   |                 |            | <b>"SUPERSOCKETS"</b> |      |                   |                 |            | <b>"SUPERSOCKETS"</b> |      |                   |                 |            |
| NMP-1                 | 54   | .02               | 6               | \$ .93     | H-140                 | 76   | 1.2               | 3               | \$ 6.57    | ST-1216               | 67   | .12               | 6               | \$ .63     |
| NMP-2                 | 54   | .03               | 6               | .93        | S-140                 | 66   | .34               | 6               | 2.35       | SU-1216               | 67   | .24               | 3               | 2.42       |
| NMR-2                 | 91   | .03               | 6               | .79        | B-150                 | 60   | .03               | 6               | .56        | B-1218                | 61   | .07               | 6               | .56        |
| BP-2                  | 60   | .06               | 6               | 1.41       | BM-150                | 60   | .03               | 6               | .78        | BD-1218               | 61   | .13               | 6               | .76        |
| BP-3                  | 60   | .13               | 6               | 1.41       | H-150                 | 76   | .27               | 3               | 1.27       | BU-1218               | 61   | .1                | 6               | 2.29       |
| NMR-4                 | 91   | .03               | 6               | .79        | HH-150                | 76   | .2                | 3               | 1.60       | SD-1218               | 68   | .26               | 6               | 1.08       |
| BP-4                  | 60   | .13               | 6               | 1.41       | MM-150                | 54   | .03               | 6               | .63        | SD-1218S              | 67   | .24               | 6               | 1.37       |
| BC-6                  | 60   | .19               | 6               | 2.09       | NM-150                | 54   | .02               | 6               | .63        | SF-1218               | 67   | .13               | 6               | .83        |
| NMR-6                 | 91   | .06               | 6               | .79        | X-150                 | 80   | .54               | 6               | 2.66       | ST-1218               | 67   | .11               | 6               | .63        |
| SC-8                  | 66   | .37               | 6               | 2.42       | XX-150                | 80   | .53               | 6               | 2.83       | SU-1218               | 67   | .25               | 3               | 2.42       |
| NMR-8                 | 91   | .09               | 6               | .79        | HINX-151              | 76   | .44               | 3               | 1.73       | ST-1219               | 67   | .13               | 6               | .63        |
| NMR-10                | 91   | .13               | 6               | .79        | NM-406                | 55   | .03               | 6               | .38        | B-1220                | 61   | .09               | 6               | .56        |
| S-10                  | 66   | 1.8               | 3               | 2.56       | NM-407                | 55   | .03               | 6               | .38        | BD-1220               | 61   | .16               | 6               | .76        |
| B-15                  | 60   | 1.1               | 6               | 1.86       | NM-408                | 55   | .03               | 6               | .38        | BU-1220               | 61   | .11               | 6               | 2.29       |
| NMR-15                | 91   | .08               | 6               | 1.05       | NAM-604               | 89   | .03               | 6               | .63        | SD-1220               | 68   | .26               | 6               | 1.16       |
| S-15                  | 66   | 2                 | 3               | 2.56       | NAM-605               | 89   | .03               | 6               | .63        | ST-1220               | 67   | .14               | 6               | .63        |
| B-20A                 | 60   | .26               | 6               | 1.41       | NAM-606               | 89   | .03               | 6               | .63        | SU-1220               | 67   | .26               | 3               | 2.42       |
| H-20A                 | 76   | 2.7               | 3               | 3.63       | NM-606                | 55   | .01               | 6               | .38        | ST-1221               | 67   | .14               | 6               | .74        |
| NM-20A                | 54   | .1                | 6               | .99        | NAM-607               | 89   | .03               | 6               | .63        | B-1222                | 61   | .11               | 6               | .63        |
| S-20A                 | 66   | .96               | 6               | 1.86       | NM-607                | 55   | .02               | 6               | .38        | BD-1222               | 61   | .22               | 6               | .83        |
| NX-20B                | 80   | 4.4               | 6               | 2.28       | AB-608                | 89   | .06               | 6               | .79        | BU-1222               | 61   | .11               | 6               | 2.48       |
| NX-20C                | 80   | 1.4               | 6               | 3.04       | B-608                 | 61   | .04               | 6               | .56        | SD-1222               | 68   | .26               | 6               | 1.16       |
| B-30                  | 60   | .5                | 6               | 1.60       | NM-608                | 55   | .02               | 6               | .38        | ST-1222               | 67   | .16               | 6               | .74        |
| SB-30                 | 66   | .14               | 6               | 1.02       | NMD-608               | 55   | .03               | 6               | .59        | SU-1222               | 67   | .27               | 3               | 2.42       |
| B-40                  | 60   | .57               | 6               | 2.66       | NM-609                | 55   | .02               | 6               | .38        | B-1224                | 61   | .13               | 6               | .63        |
| S-40                  | 66   | 1.4               | 6               | 3.81       | NMD-609               | 55   | .02               | 6               | .59        | BD-1224               | 61   | .22               | 6               | .87        |
| SB-40                 | 66   | .16               | 6               | 1.06       | AB-610                | 89   | .06               | 6               | .79        | BU-1224               | 61   | .13               | 6               | 2.48       |
| H-41                  | 76   | 4.6               | 3               | 7.65       | AS-612                | 89   | .11               | 6               | .90        | SD-1224               | 68   | .37               | 6               | 1.16       |
| H-41B                 | 76   | 2                 | 3               | .62        | SC-614                | 52   | .30               | 6               | 1.48       | ST-1224               | 67   | .19               | 6               | .81        |
| S-41                  | 66   | 1.9               | 6               | 3.94       | AS-616                | 89   | .13               | 6               | .90        | SU-1224               | 67   | .29               | 3               | 2.42       |
| NX-41                 | 80   | 9.3               | 6               | 22.24      | AS-618                | 89   | .15               | 6               | .90        | ST-1225               | 67   | .21               | 6               | .81        |
| † B-42                | 60   | .61               | 6               | 2.84       | AS-620                | 89   | .14               | 6               | .90        | BD-1226               | 61   | .24               | 6               | 1.01       |
| B-42B                 | 60   | .15               | 6               | .35        | NM-810                | 55   | .03               | 6               | .38        | SD-1226               | 68   | .37               | 6               | 1.23       |
| NM-42                 | 54   | .25               | 6               | 1.54       | † S-810               | 67   | .14               | 6               | .70        | ST-1226               | 67   | .24               | 6               | .81        |
| NM-42B                | 54   | .08               | 6               | .25        | ST-810                | 67   | .14               | 6               | .70        | H-1228                | 77   | .41               | 4               | 1.08       |
| † S-42                | 66   | 1.8               | 6               | 4.10       | NM-812                | 55   | .05               | 6               | .38        | SD-1228               | 68   | .45               | 6               | 1.23       |
| S-42B                 | 66   | .35               | 6               | .40        | † S-812               | 67   | .14               | 6               | .70        | SD-1228T              | 68   | .29               | 6               | 1.23       |
| B-50                  | 60   | .43               | 6               | 3.78       | ST-812                | 67   | .14               | 6               | .70        | ST-1228               | 67   | .28               | 6               | .87        |
| B-50A                 | 60   | .43               | 6               | 3.78       | BD-814                | 61   | .09               | 6               | .90        | H-1230                | 77   | .4                | 4               | 1.15       |
| B-50B                 | 60   | .43               | 6               | 3.46       | † S-814               | 67   | .14               | 6               | .70        | HD-1230               | 77   | .75               | 6               | 1.70       |
| H-50                  | 76   | 5.3               | 3               | 11.00      | ST-814                | 67   | .14               | 6               | .70        | SD-1230               | 68   | .51               | 6               | 1.38       |
| S-50                  | 66   | 1.3               | 6               | 4.73       | BD-816                | 61   | .13               | 6               | .90        | ST-1230               | 67   | .32               | 6               | .95        |
| B-51                  | 60   | .44               | 6               | 4.54       | † S-816               | 67   | .17               | 6               | .70        | H-1231                | 77   | .43               | 4               | 1.15       |
| B-51A                 | 60   | .44               | 6               | 4.54       | ST-816                | 67   | .17               | 6               | .70        | ST-1231               | 67   | .34               | 6               | .95        |
| H-51                  | 76   | 5.4               | 3               | 13.83      | BD-818                | 61   | .14               | 6               | .96        | H-1232                | 77   | .5                | 4               | 1.15       |
| MR-51                 | 94   | .29               | 6               | 2.42       | † S-818               | 67   | .23               | 6               | .77        | SD-1232               | 68   | .52               | 6               | 1.47       |
| NM-51                 | 54   | .16               | 6               | 3.52       | ST-818                | 67   | .23               | 6               | .77        | ST-1232               | 67   | .38               | 6               | .95        |
| S-51                  | 66   | 1.4               | 6               | 6.04       | † S-818B              | 67   | .14               | 6               | .95        | H-1234                | 77   | .51               | 4               | 1.31       |
| NX-51                 | 80   | 11.5              | 6               | 30.66      | ST-818B               | 67   | .14               | 6               | .95        | HD-1234               | 67   | .9                | 6               | 1.95       |
| S-55                  | 66   | .5                | 6               | 5.12       | BD-820                | 61   | .18               | 6               | .96        | ST-1234               | 67   | .39               | 6               | 1.06       |
| S-57                  | 66   | 3.7               | 6               | 32.50      | † S-820               | 67   | .3                | 6               | .77        | SD-1234               | 68   | .63               | 6               | 1.59       |
| S-102P                | 66   | .27               | 6               | 1.15       | ST-820                | 67   | .3                | 6               | .77        | NX-1234               | 81   | 1.1               | 4               | 1.90       |
| NM-102                | 54   | .06               | 6               | .78        | † S-822               | 67   | .32               | 6               | .84        | H-1236                | 77   | .58               | 4               | 1.39       |
| H-104                 | 76   | .88               | 3               | 2.32       | ST-822                | 67   | .32               | 6               | .84        | ST-1236               | 67   | .43               | 6               | 1.23       |
| NM-106                | 54   | .19               | 6               | 1.14       | † S-824               | 67   | .38               | 6               | .92        | SD-1236               | 68   | .74               | 6               | 1.73       |
| B-108                 | 60   | .16               | 6               | 1.06       | ST-824                | 67   | .38               | 6               | .92        | NX-1236               | 81   | 1.2               | 4               | 1.90       |
| B-110                 | 60   | .23               | 6               | 1.10       | † S-828               | 67   | .53               | 6               | 1.06       | H-1238                | 77   | .69               | 4               | 1.47       |
| H-110                 | 76   | 1.5               | 3               | 2.55       | ST-828                | 67   | .53               | 6               | 1.06       | ST-1238               | 67   | .51               | 6               | 1.30       |
| NM-110                | 54   | .34               | 6               | 1.70       | † S-832               | 67   | .65               | 6               | 1.26       | H-1240                | 77   | .67               | 4               | 1.54       |
| S-110P                | 66   | .53               | 6               | 1.15       | ST-832                | 67   | .65               | 6               | 1.26       | HD-1240               | 77   | 1.2               | 6               | 2.40       |
| NX-110                | 80   | 3.7               | 6               | 4.70       | BC-1001               | 61   | .11               | 6               | .92        | ST-1240               | 67   | .53               | 6               | 1.37       |
| B-115                 | 60   | .44               | 3               | 1.24       | BC-1003               | 61   | .18               | 6               | 1.06       | NX-1240               | 81   | 1.2               | 4               | 2.08       |
| H-115                 | 76   | 2.8               | 3               | 3.17       | B-1210                | 61   | .04               | 6               | .56        | H-1242                | 77   | .78               | 4               | 1.62       |
| NM-115                | 54   | .17               | 6               | .98        | NM-1210               | 55   | .02               | 6               | .38        | H-1244                | 77   | .78               | 4               | 1.77       |
| S-115P                | 66   | 1                 | 6               | 1.58       | NMD-1210              | 55   | .04               | 6               | .59        | NX-1244               | 81   | 1.3               | 4               | 2.22       |
| NX-115                | 80   | 7.1               | 6               | 6.07       | B-1211                | 61   | .05               | 6               | .56        | H-1246                | 77   | .88               | 4               | 1.93       |
| NM-116                | 54   | .35               | 6               | 1.32       | NM-1211               | 55   | .03               | 6               | .38        | HD-1246               | 77   | 1.6               | 6               | 2.65       |
| B-118                 | 60   | .84               | 6               | 1.66       | NMD-1211              | 55   | .04               | 6               | .59        | NX-1246               | 81   | 1.3               | 4               | 2.33       |
| S-121P                | 66   | 2.1               | 6               | 2.38       | BD-1212               | 61   | .09               | 6               | .71        | H-1248                | 77   | 1                 | 4               | 2.70       |
| NM-126                | 54   | .09               | 6               | 1.20       | BU-1212               | 61   | .09               | 6               | 2.29       | NX-1248               | 81   | 1.4               | 6               | 2.83       |
| † BM-130              | 60   | .05               | 6               | .95        | NM-1212               | 55   | .03               | 6               | .38        | H-1252                | 77   | 1                 | 6               | 2.86       |
| BS-130                | 60   | .13               | 6               | 1.06       | NMD-1212              | 55   | .04               | 6               | .59        | NX-1252               | 81   | 1.9               | 6               | 3.19       |
| HNX-130               | 76   | 1.7               | 3               | 2.66       | ST-1212               | 67   | .1                | 6               | .63        | H-1254                | 77   | 1.3               | 6               | 3.01       |
| HX-130                | 76   | .59               | 3               | 1.60       | B-1214                | 61   | .05               | 6               | .56        | H-1256                | 77   | 1.3               | 6               | 3.09       |
| MB-130                | 54   | .05               | 6               | .95        | BD-1214               | 61   | .1                | 6               | .71        | H-1258                | 77   | 1.9               | 6               | 3.24       |
| † MM-130              | 66   | .02               | 6               | .95        | BU-1214               | 61   | .09               | 6               | 2.29       | NX-1258               | 81   | 2.1               | 6               | 4.09       |
| SH-130                | 66   | .31               | 6               | 1.31       | NM-1214               | 55   | .04               | 6               | .38        | H-1260                | 77   | 1.9               | 6               | 3.47       |
| XX-130                | 80   | 1.2               | 6               | 3.47       | NMD-1214              | 55   | .04               | 6               | .59        | NX-1260               | 81   | 2.3               | 6               | 4.70       |
| BS-131                | 60   | .15               | 6               | 1.06       | ST-1214               | 67   | .11               | 6               | .63        | H-1264                | 77   | 2.1               | 6               | 3.86       |
| MB-131                | 54   | .05               | 6               | .95        | B-1216                | 61   | .06               | 6               | .56        | NX-1264               | 81   | 2.4               | 6               | 5.01       |
| † MM-131              | 66   | .03               | 6               | .95        | BD-1216               | 61   | .1                | 6               | .71        | H-1266                | 77   | 2.5               | 6               | 4.30       |
| SH-131                | 66   | .44               | 6               | 1.36       | BU-1216               | 61   | .09               | 6               | 2.29       | H-1268                | 77   | 2.6               | 6               | 4.55       |
| XX-131                | 80   | .93               | 6               | 3.47       | NM-1216               | 55   | .05               | 6               | .38        | NX-1268               | 81   | 3                 | 6               | 6.10       |
| B-140                 | 60   | .13               | 6               | 2.24       | SD-1216               | 68   | .27               | 6               | 1.08       | H-1270                | 77   | 2.6               | 6               | 5.00       |

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### LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

| No.                       | Page | Weight Each, Lbs. | Min. Order Qty. | List Price | No.                         | Page | Weight Each, Lbs. | Min. Order Qty. | List Price | No.                          | Page | Weight Each, Lbs. | Min. Order Qty. | List Price |
|---------------------------|------|-------------------|-----------------|------------|-----------------------------|------|-------------------|-----------------|------------|------------------------------|------|-------------------|-----------------|------------|
| <b>"SUPERSOCKETS"</b>     |      |                   |                 |            | <b>"SUPERECTOR"</b>         |      |                   |                 |            | <b>SCREW DRIVERS</b>         |      |                   |                 |            |
| NX-1270                   | 81   | 3                 | ..              | \$ 6.53    | <b>WRENCHES AND SOCKETS</b> |      |                   |                 |            | 4                            | 97   | 19                | 6               | \$ .91     |
| H-1272                    | 77   | 2.5               | ..              | 6.57       | E1-24                       | 92   | 9.3               | ..              | \$ 15.75   | WP-4                         | 98   | 53                | 6               | .83        |
| NX-1272                   | 81   | 3.3               | ..              | 6.98       | E1-36                       | 92   | 12.8              | ..              | 24.75      | 6                            | 97   | .38               | 6               | 1.23       |
| NX-1276                   | 81   | 3.6               | ..              | 8.35       | E2-36                       | 92   | 20.9              | ..              | 31.50      | 6B                           | 97   | .5                | 6               | 1.35       |
| NX-1280                   | 81   | 3.2               | ..              | 10.02      | E2-48                       | 92   | 21                | ..              | 40.50      | 8                            | 97   | .59               | 6               | 1.53       |
| NX-1282                   | 81   | 6.3               | ..              | 10.86      | E3-48                       | 92   | 40.6              | ..              | 63.00      | 12                           | 97   | .75               | 6               | 1.83       |
| NX-1284                   | 81   | 6.3               | ..              | 12.14      | E1-416                      | 92   | 2.6               | ..              | 4.85       | 24                           | 97   | .19               | 6               | .83        |
| NX-1288                   | 81   | 6.7               | ..              | 13.66      | E1-417                      | 92   | 2.6               | ..              | 4.85       | 26                           | 97   | .33               | 6               | 1.13       |
| NX-1294                   | 81   | 7.2               | ..              | 18.22      | E1-418                      | 92   | 2.6               | ..              | 4.90       | 28                           | 97   | .53               | 6               | 1.40       |
| NX-12100                  | 81   | 8.3               | ..              | 21.99      | E1-420                      | 92   | 2.6               | ..              | 5.00       | 32                           | 97   | .66               | 6               | 1.70       |
| BC-1700                   | 61   | .08               | 6               | .84        | E1-421                      | 92   | 2.6               | ..              | 5.10       | 43                           | 97   | .09               | 6               | .65        |
| BC-1701                   | 61   | .08               | 6               | .84        | E1-423                      | 92   | 2.8               | ..              | 5.20       | 46                           | 97   | .14               | 6               | .83        |
| BC-1702                   | 61   | .11               | 6               | .99        | E1-424                      | 92   | 2.8               | ..              | 5.30       | 50                           | 97   | .17               | 6               | .96        |
| BC-1703                   | 61   | .18               | 6               | .99        | E1-426                      | 92   | 2.9               | ..              | 5.40       | 52                           | 97   | .03               | 12              | .28        |
| <b>"SUPERSOCKET" SETS</b> |      |                   |                 |            | E1-429                      | 92   | 3.3               | ..              | 5.65       | 62                           | 97   | .14               | 6               | .56        |
| B-1                       | 62   | 1.8               | ..              | 12.08      | E1-430                      | 92   | 3.3               | ..              | 5.75       | WP-62                        | 98   | .09               | 6               | .48        |
| H-1                       | 78   | 14.9              | ..              | 29.60      | E1-432                      | 92   | 3.5               | ..              | 5.90       | <b>SCREW DRIVER SETS</b>     |      |                   |                 |            |
| NM-1                      | 56   | 1.1               | ..              | 7.40       | E1-435                      | 92   | 4                 | ..              | 6.20       | 1D Set                       | 99   | 2.3               | ..              | 6.06       |
| S-1                       | 70   | 4.8               | ..              | 16.35      | E1-436                      | 92   | 4                 | ..              | 6.40       | 2D "                         | 99   | 1.8               | ..              | 5.06       |
| NX-1                      | 82   | 78.8              | ..              | 130.43     | E1-617                      | 92   | 2.6               | ..              | 4.85       | 3D "                         | 99   | .5                | ..              | 2.72       |
| B-2                       | 62   | .75               | ..              | 16.41      | E1-618                      | 92   | 2.6               | ..              | 4.90       | WP-5                         | 99   | 1.3               | ..              | 3.05       |
| H-2                       | 78   | 20.8              | ..              | 38.03      | E1-620                      | 92   | 2.5               | ..              | 5.00       | <b>PUNCHES</b>               |      |                   |                 |            |
| NM-2                      | 56   | 1.6               | ..              | 12.62      | E1-621                      | 92   | 2.5               | ..              | 5.10       | P-4                          | 102  | .16               | 6               | .46        |
| S-2                       | 70   | 5.1               | ..              | 15.35      | E1-623                      | 92   | 2.5               | ..              | 5.20       | P-6                          | 102  | .25               | 6               | .55        |
| NX-2                      | 83   | 35.1              | ..              | 52.30      | E1-624                      | 92   | 2.5               | ..              | 5.30       | P-8                          | 102  | .53               | 6               | .66        |
| B-3                       | 62   | .5                | ..              | 5.64       | E1-626                      | 92   | 2.6               | ..              | 5.40       | P-13                         | 102  | .28               | 6               | .55        |
| H-3                       | 79   | 41.1              | ..              | 76.76      | E1-627                      | 92   | 2.6               | ..              | 5.50       | P-14                         | 102  | .41               | 6               | .66        |
| NM-3                      | 57   | 1.1               | ..              | 6.53       | E1-628                      | 92   | 2.6               | ..              | 5.60       | P-25                         | 102  | .22               | 6               | .65        |
| S-3                       | 71   | 5.1               | ..              | 16.07      | E1-629                      | 92   | 2.8               | ..              | 5.65       | P-26                         | 102  | .41               | 6               | .75        |
| NX-3                      | 83   | 57.3              | ..              | 89.33      | E1-630                      | 92   | 2.8               | ..              | 5.75       | P-30                         | 102  | .13               | 6               | .40        |
| B-4                       | 63   | 6.6               | ..              | 24.75      | E1-632                      | 92   | 3.2               | ..              | 5.90       | P-40                         | 102  | .16               | 6               | .40        |
| NM-4                      | 57   | 1                 | ..              | 8.86       | E1-633                      | 92   | 3.2               | ..              | 6.00       | <b>CHISELS</b>               |      |                   |                 |            |
| S-4                       | 71   | 8.2               | ..              | 24.91      | E1-635                      | 92   | 3.6               | ..              | 6.20       | C-8                          | 102  | .06               | 6               | .46        |
| † SD-4A                   | ..   | 1.8               | ..              | 5.93       | E1-636                      | 92   | 3.6               | ..              | 6.40       | C-12                         | 102  | .16               | 6               | .55        |
| † 5                       | ..   | 6.5               | ..              | 25.62      | E2-432                      | 92   | 5.7               | ..              | 9.70       | C-16                         | 102  | .31               | 6               | .63        |
| B-5                       | 64   | 11.4              | ..              | 57.56      | E2-435                      | 92   | 6                 | ..              | 10.00      | C-20                         | 102  | .5                | 6               | .75        |
| NM-5                      | 58   | 1.6               | ..              | 13.02      | E2-438                      | 92   | 6.5               | ..              | 10.40      | C-24                         | 102  | .78               | 6               | .91        |
| S-5                       | 72   | 18                | ..              | 43.56      | E2-441                      | 92   | 7.1               | ..              | 10.80      | C-36                         | 102  | 1.6               | 3               | 1.45       |
| † 6-B                     | ..   | 7.3               | ..              | 26.78      | E2-444                      | 92   | 7.9               | ..              | 11.30      | C-422                        | 102  | 1.4               | 3               | 1.45       |
| B-6                       | 65   | 10.5              | ..              | 41.25      | E2-447                      | 92   | 9                 | ..              | 11.85      | <b>PUNCH AND CHISEL SETS</b> |      |                   |                 |            |
| NM-6                      | 58   | 2.1               | ..              | 19.05      | E2-450                      | 92   | 10                | ..              | 12.40      | C-6                          | 103  | 4.3               | ..              | * 5.45     |
| S-6                       | 73   | 20.3              | ..              | 51.29      | E2-632                      | 92   | 5.5               | ..              | 9.70       | P-9                          | 103  | 3                 | ..              | * 5.80     |
| † SD-6                    | ..   | 2.3               | ..              | 8.61       | E2-635                      | 92   | 5.8               | ..              | 10.00      | PC-15                        | 103  | 7.2               | ..              | *11.00     |
| † 7-A                     | ..   | 9.5               | ..              | 46.15      | E2-638                      | 92   | 6.3               | ..              | 10.40      | <b>SOFT-FACE HAMMERS</b>     |      |                   |                 |            |
| NM-7                      | 59   | 1.8               | ..              | 16.62      | E2-641                      | 92   | 6.7               | ..              | 10.80      | 100-1                        | 100  | .31               | 6               | 2.40       |
| S-7                       | 74   | 27                | ..              | 77.50      | E2-644                      | 92   | 7.2               | ..              | 11.30      | 100-2                        | 100  | .31               | 6               | 2.40       |
| S-7A                      | 74   | 30                | ..              | 86.24      | E2-647                      | 92   | 8                 | ..              | 11.85      | 100-3                        | 100  | .31               | 6               | 2.40       |
| NM-8                      | 59   | 4                 | ..              | 37.07      | E2-650                      | 92   | 9                 | ..              | 12.40      | 100-4                        | 100  | .31               | 6               | 3.00       |
| S-8                       | 68   | 2.4               | ..              | 7.71       | E3-450                      | 92   | 16                | ..              | 20.10      | 105-1                        | 100  | .5                | 6               | 2.80       |
| S-9                       | 68   | 1.6               | ..              | 5.40       | E3-456                      | 92   | 17                | ..              | 20.80      | 105-2                        | 100  | .5                | 6               | 2.80       |
| S-10                      | 75   | 50.4              | ..              | 100.93     | E3-462                      | 92   | 18.3              | ..              | 21.60      | 105-3                        | 100  | .5                | 6               | 2.80       |
| S-11                      | 70   | 1.3               | ..              | 12.10      | E3-468                      | 92   | 19.9              | ..              | 22.55      | 105-4                        | 100  | .5                | 6               | 3.30       |
| † 12                      | ..   | 2.4               | ..              | 10.71      | E3-474                      | 92   | 22.5              | ..              | 23.65      | 150-1                        | 100  | .75               | 6               | 3.60       |
| R-19A                     | 91   | 2.8               | ..              | 18.06      | E3-650                      | 92   | 14.9              | ..              | 20.10      | 150-2                        | 100  | .75               | 6               | 3.60       |
| † 20                      | ..   | 23                | ..              | 44.31      | E3-656                      | 92   | 15.6              | ..              | 20.80      | 150-3                        | 100  | .75               | 6               | 3.60       |
| † 21                      | ..   | 6.8               | ..              | 15.44      | E3-662                      | 92   | 16.8              | ..              | 21.60      | 150-4                        | 100  | .75               | 6               | 5.30       |
| † 21R                     | ..   | 4.9               | ..              | 17.27      | E3-668                      | 92   | 17.9              | ..              | 22.55      | 155-1                        | 100  | 1.3               | 6               | 4.20       |
| † 26                      | ..   | 25.5              | ..              | 52.08      | E3-674                      | 92   | 18.4              | ..              | 23.65      | 155-2                        | 100  | 1.3               | 6               | 4.20       |
| † 30                      | ..   | 25.5              | ..              | 51.29      | <b>"SUPERECTOR" SET</b>     |      |                   |                 |            | 155-3                        | 100  | 1.3               | 6               | 4.20       |
| † 36                      | ..   | 27.8              | ..              | 58.64      | E1-12                       | 92   | 42                | ..              | 74.40      | 155-4                        | 100  | 1.3               | 6               | 5.60       |
| † 50A                     | ..   | 28.8              | ..              | 51.66      | <b>PLIERS</b>               |      |                   |                 |            | 200-1                        | 100  | 1.3               | 6               | 4.80       |
| † 51                      | ..   | 22.3              | ..              | 32.07      | 5                           | 96   | .27               | 6               | .65        | 200-2                        | 100  | 1.3               | 6               | 4.80       |
| † 55B                     | ..   | 41.5              | ..              | 88.20      | 6                           | 96   | .44               | 6               | .65        | 200-3                        | 100  | 1.3               | 6               | 4.80       |
| † 55C                     | ..   | 43.5              | ..              | 92.93      | 8                           | 96   | .53               | 6               | .90        | 200-4                        | 100  | 1.3               | 6               | 7.60       |
| † 76                      | ..   | 53                | ..              | 80.85      | 10                          | 96   | .88               | 6               | 1.25       | 205-1                        | 100  | 2                 | 6               | 5.40       |
| † 81                      | ..   | 32                | ..              | 46.46      | 37                          | 96   | .5                | 6               | 1.20       | 205-2                        | 100  | 2                 | 6               | 5.40       |
| † AL-100                  | ..   | 10                | ..              | 26.25      | 46                          | 96   | .35               | 6               | 1.95       | 205-3                        | 100  | 2                 | 6               | 5.40       |
| AL-102                    | 89   | 4.1               | ..              | 19.24      | 47                          | 96   | .52               | 6               | 2.15       | 205-4                        | 100  | 2                 | 6               | 8.20       |
| 1001                      | 84   | 90.5              | ..              | 220.42     | 76                          | 96   | .25               | 6               | 2.09       | 207-1                        | 100  | 3                 | 4               | 6.60       |
| † 1001-B                  | ..   | 69                | ..              | 160.81     | 1515                        | 51   | .33               | ..              | 2.20       | 207-2                        | 100  | 3                 | 4               | 6.60       |
| † 1269                    | ..   | 1.1               | ..              | 7.30       | 1517                        | 51   | .75               | ..              | 2.28       | 207-3                        | 100  | 3                 | 4               | 6.60       |
| † 1269P                   | ..   | 1.3               | ..              | 9.24       | 1519                        | 95   | .08               | 6               | 1.40       | 207-4                        | 100  | 3                 | 4               | 9.05       |
| † 1269PR                  | ..   | 1.5               | ..              | 13.55      | 1520                        | 95   | .57               | 6               | 1.93       |                              |      |                   |                 |            |
| † 1285                    | ..   | 1.3               | ..              | 10.19      | 1521                        | 95   | 1.6               | 6               | 3.90       |                              |      |                   |                 |            |
| † 1285P                   | ..   | 1.4               | ..              | 12.13      | <b>SCREW DRIVERS</b>        |      |                   |                 |            |                              |      |                   |                 |            |
| † 1286PR                  | ..   | 2.1               | ..              | 19.42      | WP-1                        | 98   | .06               | 12              | .53        |                              |      |                   |                 |            |
| † 1291                    | ..   | 1.5               | ..              | 14.70      | WP-2                        | 98   | .19               | 12              | .56        |                              |      |                   |                 |            |
| † 1291P                   | ..   | 1.5               | ..              | 16.64      | WP-3                        | 98   | .31               | 12              | .65        |                              |      |                   |                 |            |
| † 1292PR                  | ..   | 2.4               | ..              | 24.99      |                             |      |                   |                 |            |                              |      |                   |                 |            |
| 2001                      | 86   | 118.5             | ..              | 292.23     |                             |      |                   |                 |            |                              |      |                   |                 |            |

\* In Leatherette Roll  
† Discontinued

## NUMERICAL INDEX

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|------------------------------|------|-------------------|-----------------|------------|-------------------------|------|-------------------|-----------------|------------|---------------------|------|-------------------|-----------------|------------|
| <b>SOFT-FACE HAMMERS</b>     |      |                   |                 |            | <b>FLANGE-JACKS</b>     |      |                   |                 |            | <b>TOOL HOLDERS</b> |      |                   |                 |            |
| 250-1                        | 101  | 2.                | 4               | \$ 7.80    | 20                      | 112  | 13.               | 2 Pr.           | \$ 24.00   | 3                   | 120  | 24.1              | ..              | \$60.00    |
| 250-2                        | 101  | 2.                | 4               | 7.80       | 30                      | 112  | 45.               | ..              | 48.00      | 3B                  | 121  | 42.4              | ..              | 84.00      |
| 250-3                        | 101  | 2.                | 4               | 7.80       | <b>TOOL POSTS</b>       |      |                   |                 |            | 3-K-0               | 128  | 1.                | ..              | 12.80      |
| 250-4                        | 101  | 2.                | 4               | 12.00      | 5                       | 132  | .5                | ..              | .82        | 3-K-1               | 128  | 1.8               | ..              | 14.40      |
| 255-1                        | 101  | 4.                | 4               | 9.00       | 10                      | 132  | 1.1               | ..              | 1.05       | 3-K-2               | 128  | 2.2               | ..              | 16.80      |
| 255-2                        | 101  | 4.                | 4               | 9.00       | 20                      | 132  | 2.2               | ..              | 1.40       | 3L                  | 117  | 3.3               | ..              | 8.65       |
| 255-3                        | 101  | 4.                | 4               | 9.00       | 23                      | 132  | 1.6               | ..              | 1.65       | T-3L                | 114  | 3.7               | ..              | 9.60       |
| 255-4                        | 101  | 4.                | 4               | 12.60      | 28                      | 132  | 2.2               | ..              | 1.90       | 3R                  | 117  | 3.3               | ..              | 8.65       |
| 300-1                        | 101  | 3.5               | 2               | 12.00      | 30                      | 132  | 3.1               | ..              | 2.10       | T-3R                | 114  | 3.7               | ..              | 9.60       |
| 300-2                        | 101  | 3.5               | 2               | 12.00      | 40                      | 132  | 4.7               | ..              | 3.05       | 3S                  | 117  | 3.2               | ..              | 8.65       |
| 300-3                        | 101  | 3.5               | 2               | 12.00      | 50                      | 132  | 6.6               | ..              | 3.95       | T-3S                | 114  | 3.5               | ..              | 9.60       |
| 300-4                        | 101  | 3.5               | 2               | 19.60      | 60                      | 132  | 14.2              | ..              | 7.95       | 4                   | 120  | 39.5              | ..              | \$96.00    |
| 305-1                        | 101  | 6.                | 2               | 15.00      | <b>TOOL POST WEDGES</b> |      |                   |                 |            | 4B                  | 121  | 68                | ..              | 120.00     |
| 305-2                        | 101  | 6.                | 2               | 15.00      | 5                       | 132  | .08               | ..              | .27        | 4L                  | 117  | 5                 | ..              | 11.00      |
| 305-3                        | 101  | 6.                | 2               | 15.00      | 10                      | 132  | .19               | ..              | .30        | T-4L                | 114  | 5                 | ..              | 12.15      |
| 305-4                        | 101  | 6.                | 2               | 20.50      | 11                      | 132  | .13               | ..              | .30        | 4R                  | 117  | 4.9               | ..              | 11.00      |
| 307-2                        | 101  | 9.                | 1               | 19.20      | 15                      | 132  | .19               | ..              | .33        | T-4R                | 114  | 5                 | ..              | 12.15      |
| 307-3                        | 101  | 9.                | 1               | 19.20      | 18                      | 132  | .25               | ..              | .34        | 4S                  | 117  | 4.5               | ..              | 11.00      |
| 307-4                        | 101  | 9.                | 1               | 25.60      | 20                      | 132  | .30               | ..              | .35        | T-4S                | 114  | 4.9               | ..              | 12.15      |
| 308-2                        | 101  | 12.               | 1               | 21.60      | 30                      | 132  | .36               | ..              | .40        | 5                   | 120  | 69.1              | ..              | \$144.00   |
| 308-3                        | 101  | 12.               | 1               | 21.60      | 40                      | 132  | .56               | ..              | .47        | 5L                  | 117  | 8                 | ..              | 15.60      |
| 308-4                        | 101  | 12.               | 1               | 28.90      | 60                      | 132  | .78               | ..              | .56        | T-5L                | 114  | 8.3               | ..              | 17.30      |
| <b>SOFT-FACE HAMMER TIPS</b> |      |                   |                 |            | 65                      | 132  | .91               | ..              | .61        | 5R                  | 117  | 7.9               | ..              | 15.60      |
| 10-1                         | 101  | .05               | 12              | .60        | <b>TOOL POST RINGS</b>  |      |                   |                 |            | T-SR                | 114  | 8.3               | ..              | 17.30      |
| 10-2                         | 101  | .05               | 12              | .60        | 5                       | 132  | .30               | ..              | .33        | SS                  | 117  | 7.1               | ..              | 15.60      |
| 10-3                         | 101  | .05               | 12              | .60        | 10                      | 132  | .65               | ..              | .47        | T-SS                | 114  | 8                 | ..              | 17.30      |
| 10-4                         | 101  | .05               | 12              | .90        | 11                      | 132  | .56               | ..              | .52        | 6L                  | 117  | 12.3              | ..              | 21.60      |
| 15-1                         | 101  | .14               | 6               | 1.00       | 14                      | 132  | .94               | ..              | .75        | 6R                  | 117  | 12.3              | ..              | 21.60      |
| 15-2                         | 101  | .14               | 6               | 1.00       | 18                      | 132  | 1.3               | ..              | .94        | 6S                  | 117  | 12                | ..              | 21.60      |
| 15-3                         | 101  | .14               | 6               | 1.00       | 20                      | 132  | .94               | ..              | .82        | 8                   | 122  | 2                 | ..              | \$7.85     |
| 15-4                         | 101  | .14               | 6               | 1.70       | 30                      | 132  | 1.3               | ..              | 1.00       | 08                  | 122  | .91               | ..              | 4.80       |
| 20-1                         | 101  | .27               | 4               | 1.50       | 40                      | 132  | 1.9               | ..              | 1.15       | 08-X                | 122  | .88               | ..              | 3.85       |
| 20-2                         | 101  | .27               | 4               | 1.50       | 60                      | 132  | 2.3               | ..              | 1.50       | 9                   | 122  | 3.8               | ..              | \$9.30     |
| 20-3                         | 101  | .27               | 4               | 1.50       | <b>TOOL HOLDERS</b>     |      |                   |                 |            | 09                  | 122  | 1.5               | ..              | 6.00       |
| 20-4                         | 101  | .27               | 4               | 2.70       | 0B                      | 122  | .50               | ..              | 4.80       | 09-X                | 122  | 1.5               | ..              | 4.70       |
| 25-1                         | 101  | .44               | 2               | 2.70       | 0B-X                    | 122  | .44               | ..              | 3.85       | 10                  | 122  | 6.6               | ..              | \$12.25    |
| 25-2                         | 101  | .44               | 2               | 2.70       | 0BB                     | 121  | 5.2               | ..              | 22.40      | 010                 | 122  | 2.9               | ..              | 8.65       |
| 25-3                         | 101  | .44               | 2               | 2.70       | 000L                    | 117  | .31               | ..              | 4.30       | 010-X               | 122  | 2.8               | ..              | 6.80       |
| 25-4                         | 101  | .44               | 2               | 4.50       | 000R                    | 117  | .31               | ..              | 4.30       | 11                  | 122  | 11.               | ..              | \$17.35    |
| 30-1                         | 101  | .66               | 2               | 4.45       | 000S                    | 117  | .31               | ..              | 4.30       | 12                  | 122  | 16.               | ..              | \$25.60    |
| 30-2                         | 101  | .66               | 2               | 4.45       | 00-B                    | 122  | 1.2               | ..              | \$7.85     | 11-K                | 122  | 1.9               | ..              | 14.40      |
| 30-3                         | 101  | .66               | 2               | 4.45       | 00K                     | 128  | .53               | ..              | 9.00       | 011                 | 122  | 4.9               | ..              | 12.00      |
| 30-4                         | 101  | .66               | 2               | 8.10       | 00L                     | 117  | .44               | ..              | 4.30       | 011-X               | 122  | 4.8               | ..              | 10.00      |
| <b>WHEEL PULLER</b>          |      |                   |                 |            | 00R                     | 117  | .44               | ..              | 4.30       | 12-K                | 122  | 2.25              | ..              | 16.80      |
| 5                            | 90   | 1.7               | 3               | 7.35       | 00S                     | 117  | .44               | ..              | 4.30       | 012                 | 122  | 7.6               | ..              | 16.80      |
| <b>CHAIN PIPE TONGS</b>      |      |                   |                 |            | 00-T                    | 123  | .61               | ..              | 6.65       | 012-X               | 122  | 7.5               | ..              | 14.40      |
| 0                            | 109  | 2.                | ..              | 5.00       | OK                      | 128  | .63               | ..              | 9.60       | 013                 | 122  | 12.1              | ..              | 21.60      |
| 1                            | 109  | 5.5               | ..              | 7.00       | 0KH                     | ..   | .56               | ..              | 5.00       | 013-X               | 122  | 12                | ..              | 18.80      |
| 2                            | 109  | 10                | ..              | 10.00      | 0L                      | 117  | .09               | ..              | 4.55       | 014                 | 122  | 20.4              | ..              | 31.20      |
| 3                            | 109  | 17                | ..              | 14.00      | 0LH                     | ..   | .62               | ..              | 2.10       | 014-X               | 122  | 20.6              | ..              | 28.00      |
| 3-1/2                        | 109  | 26                | ..              | 18.00      | 0R                      | 117  | .09               | ..              | 4.55       | 15                  | 119  | .88               | ..              | 6.65       |
| 4                            | 109  | 34                | ..              | 22.00      | 0RH                     | ..   | .62               | ..              | 2.10       | 15H                 | 119  | .63               | ..              | 5.00       |
| 5                            | 109  | 54                | ..              | 36.00      | 0S                      | 117  | .63               | ..              | 4.55       | 015                 | 122  | 38.8              | ..              | 55.20      |
| 10                           | 110  | 2                 | ..              | 5.00       | 0SH                     | ..   | .59               | ..              | 2.10       | 015-X               | 122  | 38.8              | ..              | 49.60      |
| 11                           | 110  | 5.75              | ..              | 7.00       | 0530                    | 126  | .75               | ..              | 4.55       | 16                  | 119  | 1.6               | ..              | 8.40       |
| 12                           | 110  | 10                | ..              | 10.00      | 0532                    | 126  | 1.1               | ..              | 4.80       | 17                  | 119  | 2.8               | ..              | 10.80      |
| 13                           | 110  | 17                | ..              | 14.00      | 0597                    | 126  | 1.6               | ..              | 5.30       | 18                  | 119  | 4.6               | ..              | 13.85      |
| 13-1/2                       | 110  | 24                | ..              | 18.00      | 0598                    | 126  | 2.7               | ..              | 6.00       | 19                  | 125  | .44               | ..              | * 4.55     |
| 14                           | 110  | 31                | ..              | 22.00      | T0L-H                   | 131  | .69               | ..              | 3.55       | 20                  | 125  | .69               | ..              | * 4.80     |
| 15                           | 110  | 52                | ..              | 36.00      | T0R-H                   | 131  | .69               | ..              | 3.55       | † N-020R            | ..   | .42               | ..              | 4.55       |
| 16                           | 110  | 137               | ..              | 80.00      | T0S-H                   | 131  | .63               | ..              | 3.55       | † N-20R             | ..   | .74               | ..              | * 4.80     |
| 30                           | 111  | 2                 | ..              | 5.00       | 1B                      | 121  | 18.               | ..              | 36.00      | † N-20RH            | ..   | .68               | ..              | 2.50       |
| 31                           | 111  | 5.75              | ..              | 7.00       | 1K                      | 128  | 1.3               | ..              | 10.80      | S-20                | 124  | .78               | ..              | 7.20       |
| 32                           | 111  | 10                | ..              | 10.00      | 1L                      | 117  | 1.3               | ..              | 5.20       | † NS-20             | ..   | .94               | ..              | 7.20       |
| 33                           | 111  | 17                | ..              | 14.00      | T-0L                    | 114  | .75               | ..              | 5.10       | 21                  | 125  | 1.3               | ..              | * 5.75     |
| 33-1/2                       | 111  | 24                | ..              | 18.00      | T-1L                    | 114  | 1.4               | ..              | 5.75       | † N-21R             | ..   | 1.4               | ..              | * 5.75     |
| 34                           | 111  | 31                | ..              | 22.00      | 1R                      | 117  | 1.3               | ..              | 5.20       | S-21                | 124  | 1.5               | ..              | 8.65       |
| 35                           | 111  | 52                | ..              | 36.00      | T-1R                    | 114  | 1.5               | ..              | 5.75       | † NS-21             | ..   | 1.31              | ..              | 8.65       |
| <b>CHAIN PIPE VISES</b>      |      |                   |                 |            | 1S                      | 117  | 1.2               | ..              | 5.20       | 22                  | 125  | 2.1               | ..              | * 7.20     |
| 1                            | 105  | 4.                | 6               | 7.00       | T-0S                    | 114  | .61               | ..              | 5.10       | † N-22R             | ..   | 2.1               | ..              | * 7.20     |
| † V-1                        | ..   | 35                | ..              | 31.00      | T-1S                    | 114  | 1.5               | ..              | 5.75       | S-22                | 124  | 2.4               | ..              | 10.80      |
| AV-1                         | 107  | 18.75             | ..              | 32.50      | 2                       | 120  | 15.               | ..              | \$43.20    | † NS-22             | ..   | 2.17              | ..              | 10.80      |
| 2                            | 105  | 10                | 3               | 15.00      | 2B                      | 121  | 25.9              | ..              | 48.00      | 23                  | 125  | 3.3               | ..              | * 9.60     |
| 3                            | 105  | 18                | ..              | 27.00      | 2K                      | 128  | 1.9               | ..              | 12.80      | † N-23R             | ..   | 3.4               | ..              | * 9.60     |
| 4                            | 105  | 30                | ..              | 36.00      | 2L                      | 117  | 2.1               | ..              | 6.40       | S-23                | 124  | 3.9               | ..              | 14.40      |
| 11                           | 104  | 7.                | 3               | 10.00      | T-2L                    | 114  | 2.4               | ..              | 7.20       | † NS-23             | ..   | 3.94              | ..              | 14.40      |
| 12                           | 104  | 15                | 3               | 19.00      | 2R                      | 117  | 2.2               | ..              | 6.40       | 24                  | 125  | 4.5               | ..              | * 12.00    |
| 21                           | 106  | 5.75              | 3               | 9.60       | T-2R                    | 114  | 2.4               | ..              | 7.20       | † N-24R             | ..   | 4.4               | ..              | * 12.00    |
|                              |      |                   |                 |            | 2S                      | 117  | 2.                | ..              | 6.40       | 25                  | 125  | 4.8               | ..              | * 13.75    |
|                              |      |                   |                 |            | T-2S                    | 114  | 2.4               | ..              | 7.20       | † N-25R             | ..   | 4.6               | ..              | * 13.75    |
|                              |      |                   |                 |            |                         |      |                   |                 |            | 29L                 | 125  | .49               | ..              | * 4.55     |
|                              |      |                   |                 |            |                         |      |                   |                 |            | 29R                 | 125  | .47               | ..              | * 4.55     |
|                              |      |                   |                 |            |                         |      |                   |                 |            | 30L                 | 125  | .75               | ..              | * 4.80     |
|                              |      |                   |                 |            |                         |      |                   |                 |            | 30R                 | 125  | .75               | ..              | * 4.80     |
|                              |      |                   |                 |            |                         |      |                   |                 |            | † N-030L            | ..   | .46               | ..              | 4.55       |

† Complete with Sleeve Bar; with Plain Bar, less

\* Complete with Cut-Off Blade; with Slide Blade, extra.

† Old Number—Superseded by New Number Series.

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## NUMERICAL INDEX

### LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

| No.                 | Page | Weight Each, Lbs. | Min. Order Qty. | List Price | No.                                         | Page | Weight Each, Lbs. | Min. Order Qty. | List Price | No.                                 | Page | Weight Each, Lbs. | Min. Order Qty. | List Price |
|---------------------|------|-------------------|-----------------|------------|---------------------------------------------|------|-------------------|-----------------|------------|-------------------------------------|------|-------------------|-----------------|------------|
| <b>TOOL HOLDERS</b> |      |                   |                 |            | <b>TOOL HOLDERS</b>                         |      |                   |                 |            | <b>BLADES FOR SIDE TOOL HOLDERS</b> |      |                   |                 |            |
| † N-030R            | ..   | .46               | ..              | \$ 4.55    | † 200S                                      | 118  | 1.6               | ..              | \$ 4.55    | .....                               | 133  | All Sizes         | ..              | .....      |
| † N-30L             | ..   | .75               | ..              | * 4.80     | 201L                                        | 118  | 1.8               | ..              | 5.20       |                                     |      |                   |                 |            |
| † N-30R             | ..   | .75               | ..              | * 4.80     | 201R                                        | 118  | 1.8               | ..              | 5.20       |                                     |      |                   |                 |            |
| † N-30RH            | ..   | .70               | ..              | 2.50       | 201S                                        | 118  | 1.8               | ..              | 5.20       |                                     |      |                   |                 |            |
| S-30R               | 124  | .91               | ..              | 7.20       | † 202L                                      | ..   | 3.2               | ..              | 6.40       |                                     |      |                   |                 |            |
| S-30RA              | 124  | .84               | ..              | 7.20       | 202R                                        | ..   | 3.2               | ..              | 6.40       |                                     |      |                   |                 |            |
| † NS-30R            | ..   | .90               | ..              | 7.20       | † 202S                                      | ..   | 3.2               | ..              | 6.40       |                                     |      |                   |                 |            |
| † NS-30RA           | ..   | .85               | ..              | 7.20       | 204L                                        | ..   | 3.2               | ..              | 11.00      |                                     |      |                   |                 |            |
| 31L                 | 125  | 1.4               | ..              | * 5.75     | 204R                                        | ..   | 3.2               | ..              | 11.00      |                                     |      |                   |                 |            |
| 31R                 | 125  | 1.4               | ..              | * 5.75     | 204S                                        | ..   | 3.2               | ..              | 11.00      |                                     |      |                   |                 |            |
| † N-31L             | ..   | 1.4               | ..              | * 5.75     | 401                                         | 127  | 3.8               | ..              | 9.60       |                                     |      |                   |                 |            |
| † N-31R             | ..   | 1.4               | ..              | * 5.75     | 2010L                                       | 130  | .64               | ..              | 2.10       |                                     |      |                   |                 |            |
| S-31R               | 124  | 1.7               | ..              | 8.65       | 2010R                                       | 130  | .64               | ..              | 2.10       |                                     |      |                   |                 |            |
| † NS-31R            | ..   | 1.47              | ..              | 8.65       | 2010S                                       | 130  | .63               | ..              | 2.10       |                                     |      |                   |                 |            |
| 32L                 | 125  | 2.2               | ..              | * 7.20     | 2020R                                       | 130  | .69               | ..              | 2.50       |                                     |      |                   |                 |            |
| 32R                 | 125  | 2.3               | ..              | * 7.20     | 2020S                                       | 130  | .63               | ..              | 2.50       |                                     |      |                   |                 |            |
| † N-32L             | ..   | 2.3               | ..              | * 7.20     | 2030                                        | 130  | .88               | ..              | 5.00       |                                     |      |                   |                 |            |
| † N-32R             | ..   | 2.3               | ..              | * 7.20     | 2040                                        | 130  | .59               | ..              | 5.00       |                                     |      |                   |                 |            |
| S-32R               | 124  | 2.7               | ..              | 10.80      | 2050                                        | 130  | .66               | ..              | 4.20       |                                     |      |                   |                 |            |
| † NS-32R            | ..   | 2.38              | ..              | 10.80      |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| 33L                 | 125  | 3.5               | ..              | * 9.60     | <b>TOOL HOLDER SETS</b>                     |      |                   |                 |            |                                     |      |                   |                 |            |
| 33R                 | 125  | 3.7               | ..              | * 9.60     | 00A                                         | 113  | 5.6               | ..              | 53.05      |                                     |      |                   |                 |            |
| † N-33L             | ..   | 3.7               | ..              | * 9.60     | 0A                                          | 113  | 8.6               | ..              | 56.50      |                                     |      |                   |                 |            |
| † N-33R             | ..   | 3.7               | ..              | * 9.60     | M-0A                                        | 116  | 3.1               | ..              | 25.60      |                                     |      |                   |                 |            |
| S-33R               | 124  | 4.3               | ..              | 14.40      | 1A                                          | 113  | 16.               | ..              | 67.70      |                                     |      |                   |                 |            |
| † NS-33R            | ..   | 3.81              | ..              | 14.40      | M-1A                                        | 116  | 5.8               | ..              | 27.10      |                                     |      |                   |                 |            |
| 34L                 | 125  | 4.9               | ..              | *12.00     | 2A                                          | 113  | 25.               | ..              | 87.10      |                                     |      |                   |                 |            |
| 34R                 | 125  | 4.8               | ..              | *12.00     | M-2A                                        | 116  | 9.2               | ..              | 31.95      |                                     |      |                   |                 |            |
| † N-34L             | ..   | 4.9               | ..              | *12.00     | 3                                           | 113  | 34.5              | ..              | 88.40      |                                     |      |                   |                 |            |
| † N-34R             | ..   | 4.9               | ..              | *12.00     | M-3A                                        | 116  | 13.3              | ..              | 47.60      |                                     |      |                   |                 |            |
| 35L                 | 125  | 5.2               | ..              | *13.75     | 4                                           | 113  | 32.               | ..              | 93.10      |                                     |      |                   |                 |            |
| 35R                 | 125  | 5.                | ..              | *13.75     | M-4A                                        | 116  | 18.9              | ..              | 52.10      |                                     |      |                   |                 |            |
| † N-35L             | ..   | 5.                | ..              | *13.75     | Home-Craft                                  | 130  | 7.                | ..              | 24.25      |                                     |      |                   |                 |            |
| † N-35R             | ..   | 5.                | ..              | *13.75     |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| 40                  | 127  | 2.2               | ..              | 7.45       | <b>CARBOLLOY-TIPPED TURNING CUTTER BITS</b> |      |                   |                 |            |                                     |      |                   |                 |            |
| 41                  | 127  | 6.                | ..              | 12.55      | M-11                                        | 115  | .03               | 6               | .95        |                                     |      |                   |                 |            |
| 42                  | 127  | 11.1              | ..              | 19.85      | M-12                                        | 115  | .06               | 6               | .95        |                                     |      |                   |                 |            |
| 43                  | 127  | 20.6              | ..              | 34.80      | M-13                                        | 115  | .07               | 6               | 1.00       |                                     |      |                   |                 |            |
| 44                  | 127  | 31.               | ..              | 62.40      | M-14                                        | 115  | .16               | 4               | 1.50       |                                     |      |                   |                 |            |
| 45                  | 127  | 53.               | ..              | 91.20      | M-15                                        | 115  | .25               | 4               | 1.50       |                                     |      |                   |                 |            |
| 46                  | 126  | 1.1               | ..              | 6.40       | M-17                                        | 115  | .44               | 4               | 2.20       |                                     |      |                   |                 |            |
| 47                  | 126  | 3.3               | ..              | 7.20       | M-41                                        | 115  | .03               | 6               | .95        |                                     |      |                   |                 |            |
| 48                  | 126  | 6.                | ..              | 9.00       | M-42                                        | 115  | .06               | 6               | .95        |                                     |      |                   |                 |            |
| 50                  | 123  | .8                | ..              | 6.65       | M-43                                        | 115  | .07               | 6               | 1.00       |                                     |      |                   |                 |            |
| † C-050             | ..   | .5                | ..              | 6.65       | M-44                                        | 115  | .16               | 4               | 1.50       |                                     |      |                   |                 |            |
| † C-50              | ..   | .6                | ..              | 6.65       | M-45                                        | 115  | .25               | 4               | 1.50       |                                     |      |                   |                 |            |
| † C-50H             | ..   | .4                | ..              | 4.20       | M-47                                        | 115  | .44               | 4               | 2.00       |                                     |      |                   |                 |            |
| S-50                | 123  | .75               | ..              | 6.65       | M-71                                        | 115  | .03               | 6               | .95        |                                     |      |                   |                 |            |
| 51                  | 123  | 1.3               | ..              | 8.00       | M-72                                        | 115  | .06               | 6               | .95        |                                     |      |                   |                 |            |
| † C-51              | ..   | 1.3               | ..              | 8.00       | M-73                                        | 115  | .07               | 6               | 1.00       |                                     |      |                   |                 |            |
| S-51                | 123  | 1.5               | ..              | 10.25      | M-74                                        | 115  | .16               | 4               | 1.50       |                                     |      |                   |                 |            |
| 52                  | 123  | 2.3               | ..              | 10.25      | M-75                                        | 115  | .25               | 4               | 1.50       |                                     |      |                   |                 |            |
| † C-52              | ..   | 2.3               | ..              | 13.20      | M-77                                        | 115  | .44               | 4               | 2.00       |                                     |      |                   |                 |            |
| S-52                | 123  | 2.5               | ..              | 13.20      | M-121                                       | 115  | .03               | 6               | 1.10       |                                     |      |                   |                 |            |
| 53                  | 123  | 3.3               | ..              | 17.35      | M-122                                       | 115  | .06               | 6               | 1.10       |                                     |      |                   |                 |            |
| † 080               | ..   | 1.3               | ..              | 7.85       | M-123                                       | 115  | .07               | 6               | 1.30       |                                     |      |                   |                 |            |
| † 80                | ..   | 2.2               | ..              | 7.85       | M-124                                       | 115  | .16               | 4               | 1.60       |                                     |      |                   |                 |            |
| † 81                | ..   | 3.1               | ..              | 9.30       | M-125                                       | 115  | .25               | 4               | 1.60       |                                     |      |                   |                 |            |
| † 82                | ..   | 6.7               | ..              | 12.25      | M-127                                       | 115  | .44               | 4               | 2.30       |                                     |      |                   |                 |            |
| † 83                | ..   | 10.3              | ..              | 17.35      |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| † 91                | ..   | 2.1               | ..              | 7.45       | <b>EXTRA LIGHT BORING BARS</b>              |      |                   |                 |            |                                     |      |                   |                 |            |
| † 92                | ..   | 3.4               | ..              | 9.60       | .....                                       | 119  | All Sizes         | 6               | .....      |                                     |      |                   |                 |            |
| † 93                | ..   | 6.                | ..              | 12.55      |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| † 94                | ..   | 12.               | ..              | 19.85      | <b>EXTRA KNURLS</b>                         |      |                   |                 |            |                                     |      |                   |                 |            |
| † 95                | ..   | 20.6              | ..              | 34.80      | .....                                       | 129  | All Sizes         | 3 Pr.           | .....      |                                     |      |                   |                 |            |
| † 96                | ..   | 35.               | ..              | 62.40      |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| † 97                | ..   | 57.               | ..              | 91.20      |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| 100-L               | 118  | .56               | ..              | 4.30       | <b>CUTTERS FOR TURNING TOOL HOLDERS</b>     |      |                   |                 |            |                                     |      |                   |                 |            |
| 100-R               | 118  | .56               | ..              | 4.30       | .....                                       | 133  | All Sizes         | 12              | .....      |                                     |      |                   |                 |            |
| 100-S               | 118  | .55               | ..              | 4.30       |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| 101-L               | 118  | 1.                | ..              | 4.55       | <b>CUTTERS FOR THREADING TOOL HOLDERS</b>   |      |                   |                 |            |                                     |      |                   |                 |            |
| 101-R               | 118  | 1.                | ..              | 4.55       | .....                                       | 133  | All Sizes         | ..              | .....      |                                     |      |                   |                 |            |
| 101-S               | 118  | 1.                | ..              | 4.55       |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| 102-L               | 118  | 2.                | ..              | 6.40       | <b>BLADES FOR CUTTING-OFF TOOL HOLDERS</b>  |      |                   |                 |            |                                     |      |                   |                 |            |
| 102-R               | 118  | 2.8               | ..              | 6.40       | .....                                       | 133  | All Sizes         | 6               | .....      |                                     |      |                   |                 |            |
| 102-S               | 118  | 2.8               | ..              | 6.40       |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| 103-L               | 118  | 5.4               | ..              | 11.00      |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| 103-R               | 118  | 5.5               | ..              | 11.00      |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| 103-S               | 118  | 5.3               | ..              | 11.00      |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| † 0200L             | ..   | .59               | ..              | 4.30       |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| † 0200R             | ..   | .59               | ..              | 4.30       |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| † 0200S             | ..   | .57               | ..              | 4.30       |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| † 200L              | ..   | 1.1               | ..              | 4.55       |                                             |      |                   |                 |            |                                     |      |                   |                 |            |
| † 200R              | ..   | 1.1               | ..              | 4.55       |                                             |      |                   |                 |            |                                     |      |                   |                 |            |

\* Complete with Sleeve Bar; with Plain Bar, less.

\* Complete with Cut-Off Blade, with Side Blade, extra

† Old Number—Superseded by New Number Series

## NUMERICAL INDEX

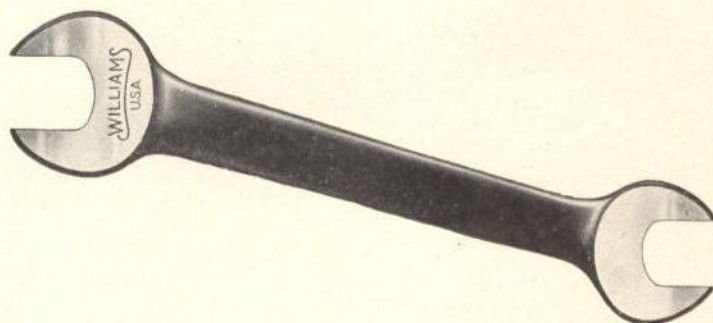
### LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

| No.                    | Page | Weight Each, Lbs. | Min. Order Qty. | List Price        | No.                    | Page | Weight Each, Lbs. | Min. Order Qty. | List Price | No.                            | Page                 | Weight Each, Lbs.      | Min. Order Qty. | List Price |
|------------------------|------|-------------------|-----------------|-------------------|------------------------|------|-------------------|-----------------|------------|--------------------------------|----------------------|------------------------|-----------------|------------|
| <b>"C" CLAMPS</b>      |      |                   |                 |                   | <b>MACHINE HANDLES</b> |      |                   |                 |            | <b>MISCELLANEOUS EYE BOLTS</b> |                      |                        |                 |            |
| 103                    | 141  | 2.6               | 6               | \$ 4.00           | 00                     | 147  | .06               | 6               | \$ .21     | 1 to 55                        | 156                  | .....                  | 25              | .....      |
| 104                    | 141  | 4.3               | 6               | 4.50              | 0                      | 147  | .09               | 6               | .21        | <b>ROD ENDS</b>                |                      |                        |                 |            |
| 106                    | 141  | 5.5               | 6               | 5.50              | 1                      | 147  | .13               | 6               | .23        | 0B to 4B                       | 157                  | .....                  | ..              | .....      |
| 108                    | 141  | 7.                | 6               | 6.50              | 2                      | 147  | .22               | 6               | .29        | 5A to 17A                      | 157                  | .....                  | ..              | .....      |
| 110                    | 141  | 7.5               | ..              | 7.50              | 3                      | 147  | .31               | 6               | .36        | <b>THUMB NUTS AND SCREWS</b>   |                      |                        |                 |            |
| 112                    | 141  | 9.5               | ..              | 8.50              | 4                      | 147  | .37               | 6               | .46        | <b>Thumb Nut Blanks "A"</b>    |                      |                        |                 |            |
| 115                    | 141  | 13.5              | ..              | 11.00             | 5                      | 147  | .62               | 6               | .57        | <b>Page 150</b>                |                      |                        |                 |            |
| 118                    | 141  | 17.               | ..              | 14.00             | 6                      | 147  | 1.3               | 6               | .69        | For Bolt; Size                 | Weight, Lbs. Per 100 | Minimum Order Quantity |                 |            |
|                        |      |                   |                 | Plain Screw       | 7                      | 147  | 1.7               | 6               | .84        | 1/8                            | .62                  | 100                    |                 |            |
| 201                    | 144  | .25               | 3               | 1.00              | 11                     | 147  | .22               | 6               | .29        | 3/16                           | 1.3                  | 100                    |                 |            |
| 202                    | 144  | .33               | 3               | 1.30              | 13                     | 147  | .43               | 6               | .46        | 1/4                            | 2.3                  | 100                    |                 |            |
| 203                    | 144  | .56               | 3               | 1.70              | 15                     | 147  | .75               | 6               | .57        | 5/16                           | 4.                   | 100                    |                 |            |
| 204                    | 144  | .9                | 3               | 2.50              | 16                     | 147  | 1.1               | 6               | .69        | 3/8                            | 6.2                  | 100                    |                 |            |
|                        |      |                   |                 | Swivel Screw      |                        |      |                   |                 |            | 7/16                           | 9.1                  | 25                     |                 |            |
| 201                    | 144  | .25               | 3               | 1.50              | <b>HOIST HOOKS</b>     |      |                   |                 |            | 1/2                            | 12.7                 | 25                     |                 |            |
| 202                    | 144  | .33               | 3               | 1.80              | 2                      | 152  | .59               | ..              | .32        | 9/16                           | 16.2                 | 25                     |                 |            |
| 203                    | 144  | .56               | 3               | 2.30              | 3                      | 152  | .78               | ..              | .37        | 5/8                            | 22.5                 | 25                     |                 |            |
| 204                    | 144  | .9                | 3               | 3.20              | 4                      | 152  | 1.                | ..              | .44        | 3/4                            | 37.                  | 25                     |                 |            |
| 301                    | 145  | .6                | 3               | 3.00              | 5                      | 152  | 1.6               | ..              | .58        | <b>Thumb Nut Blanks "B"</b>    |                      |                        |                 |            |
| 302                    | 145  | 1.4               | 3               | 4.00              | 6                      | 152  | 2.1               | ..              | .85        | <b>Page 150</b>                |                      |                        |                 |            |
| 303                    | 145  | 1.9               | 3               | 5.00              | 7                      | 152  | 3.                | ..              | 1.25       | 1/8                            | .94                  | 100                    |                 |            |
| 304                    | 145  | 3.1               | 3               | 6.00              | 8                      | 152  | 4.4               | ..              | 1.80       | 3/16                           | 1.6                  | 100                    |                 |            |
|                        |      |                   |                 | Std. Finish       | 9                      | 152  | 6.2               | ..              | 2.45       | 1/4                            | 2.8                  | 100                    |                 |            |
| 402                    | 142  | 1.1               | 6               | 1.50              | 10                     | 152  | 8.                | ..              | 3.20       | 5/16                           | 4.2                  | 100                    |                 |            |
| 403                    | 142  | 1.5               | 6               | 1.80              | 11                     | 152  | 10.               | ..              | 4.10       | 3/8                            | 6.8                  | 100                    |                 |            |
| 404                    | 142  | 2.3               | 6               | 2.20              | 12                     | 152  | 13.3              | ..              | 5.60       | 7/16                           | 9.5                  | 25                     |                 |            |
| 406                    | 142  | 3.8               | 6               | 3.00              | 13                     | 152  | 17.8              | ..              | 7.80       | 1/2                            | 13.7                 | 25                     |                 |            |
| 408                    | 142  | 5.5               | 6               | 4.00              | 14                     | 152  | 26.7              | ..              | 12.00      | 9/16                           | 15.3                 | 25                     |                 |            |
| 410                    | 142  | 8.3               | ..              | 5.00              | 15                     | 152  | 44.               | ..              | 23.00      | 5/8                            | 21.8                 | 25                     |                 |            |
| 412                    | 142  | 12.5              | ..              | 6.50              | 15A                    | 152  | 46.               | ..              | 39.00      | 3/4                            | 38.                  | 25                     |                 |            |
|                        |      |                   |                 | Spatula Resisting | 16                     | 152  | 75.               | ..              | 60.00      | <b>Thumb Screw Blanks "C"</b>  |                      |                        |                 |            |
| 402-S                  | 143  | 1.1               | 6               | 1.80              | 16A                    | 152  | 65.               | ..              | 70.00      | <b>Pages 150 and 151</b>       |                      |                        |                 |            |
| 403-S                  | 143  | 1.5               | 6               | 2.25              | 22                     | 153  | .53               | 6               | .36        | 1/8 x 1                        | .94                  | 100                    |                 |            |
| 404-S                  | 143  | 2.3               | 6               | 2.90              | 23                     | 153  | .75               | 6               | .43        | 1/8 x 2                        | 1.3                  | 25                     |                 |            |
| 406-S                  | 143  | 3.8               | 6               | 3.75              | 24                     | 153  | 1.1               | 6               | .53        | 1/8 x 3                        | 1.6                  | 25                     |                 |            |
| 408-S                  | 143  | 5.5               | 6               | 4.75              | 25                     | 153  | 1.5               | 6               | .73        | 1/8 x 4                        | 2.1                  | 25                     |                 |            |
| 410-S                  | 143  | 8.3               | ..              | 6.00              | 26                     | 153  | 2.2               | 6               | 1.05       | 3/16 x 1                       | 2.1                  | 100                    |                 |            |
| 412-S                  | 143  | 12.5              | ..              | 7.50              | 27                     | 153  | 3.                | 6               | 1.50       | 3/16 x 2                       | 3.4                  | 25                     |                 |            |
| <b>STRAP CLAMPS</b>    |      |                   |                 |                   | 28                     | 153  | 4.4               | 6               | 2.10       | 3/16 x 3                       | 4.3                  | 25                     |                 |            |
| 30                     | 146  | .37               | 6               | .40               | 29                     | 153  | 6.                | 6               | 2.85       | 3/16 x 4                       | 5.6                  | 25                     |                 |            |
| 35                     | 146  | .62               | 6               | .50               | 30                     | 153  | 8.                | ..              | 3.70       | 1/4 x 1                        | 4.                   | 100                    |                 |            |
| 40                     | 146  | .87               | 6               | .70               | 31                     | 153  | 10.3              | ..              | 4.70       | 1/4 x 2                        | 5.3                  | 25                     |                 |            |
| 44                     | 146  | .83               | 6               | .60               | 32                     | 153  | 14.               | ..              | 6.40       | 1/4 x 3                        | 7.8                  | 25                     |                 |            |
| 46                     | 146  | 1.6               | 6               | 1.00              | 33                     | 153  | 20.               | ..              | 9.40       | 1/4 x 4                        | 8.7                  | 25                     |                 |            |
| 48                     | 146  | 3.3               | 6               | 1.70              | 34                     | 153  | 31.5              | ..              | 18.50      | 5/16 x 1                       | 6.2                  | 100                    |                 |            |
| 54                     | 146  | 1.                | 6               | .60               | 35                     | 153  | 51.7              | ..              | 35.00      | 5/16 x 2                       | 7.8                  | 25                     |                 |            |
| 56                     | 146  | 1.8               | 6               | 1.00              | 36                     | 153  | 86.               | ..              | 86.00      | 5/16 x 3                       | 10.6                 | 25                     |                 |            |
| 58                     | 146  | 3.8               | 6               | 1.70              | 36A                    | 153  | 88.               | ..              | 100.00     | 5/16 x 4                       | 13.7                 | 25                     |                 |            |
| 59                     | 146  | 6.6               | 6               | 2.80              | <b>*EYE BOLTS</b>      |      |                   |                 |            | 3/8 x 1                        | 10.                  | 100                    |                 |            |
| 54A                    | 146  | 1.1               | 6               | 1.10              | 3                      | 154  | .17               | 12              | .26        | 3/8 x 2                        | 12.5                 | 25                     |                 |            |
| 56A                    | 146  | 2.                | 6               | 1.70              | 4                      | 154  | .23               | 12              | .29        | 3/8 x 3                        | 16.                  | 25                     |                 |            |
| 58A                    | 146  | 3.9               | 6               | 2.60              | 5                      | 154  | .33               | 12              | .34        | 3/8 x 4                        | 19.3                 | 25                     |                 |            |
| 59A                    | 146  | 7.1               | 6               | 4.00              | 6                      | 154  | .5                | 12              | .40        | 7/16 x 1                       | 13.7                 | 25                     |                 |            |
| 64                     | 146  | 1.                | 6               | .60               | 7                      | 154  | .68               | 12              | .51        | 7/16 x 2                       | 16.5                 | 25                     |                 |            |
| 66                     | 146  | 2.                | 6               | 1.00              | 8                      | 154  | 1.1               | 12              | .67        | 7/16 x 3                       | 21.2                 | 25                     |                 |            |
| 68                     | 146  | 4.                | 6               | 1.70              | 9                      | 154  | 1.5               | 12              | .88        | 7/16 x 4                       | 26.2                 | 25                     |                 |            |
| 74                     | 146  | 1.                | 6               | .60               | 10                     | 154  | 2.1               | ..              | 1.18       | 1/2 x 1                        | 16.2                 | 25                     |                 |            |
| 76                     | 146  | 2.                | 6               | 1.00              | 11                     | 154  | 3.                | ..              | 1.66       | 1/2 x 2                        | 21.2                 | 25                     |                 |            |
| 78                     | 146  | 4.2               | 6               | 1.70              | 12                     | 154  | 4.2               | ..              | 2.32       | 1/2 x 3                        | 27.                  | 25                     |                 |            |
| 110                    | 146  | 5.8               | ..              | 2.50              | 14                     | 154  | 6.8               | ..              | 4.00       | 1/2 x 4                        | 32.5                 | 25                     |                 |            |
| 112                    | 146  | 10.3              | ..              | 3.70              | 15                     | 154  | 10.9              | ..              | 6.00       | 9/16 x 1                       | 21.                  | 25                     |                 |            |
| <b>BALANCE HANDLES</b> |      |                   |                 |                   | 16                     | 154  | 15.1              | ..              | 8.48       | 9/16 x 2                       | 27.5                 | 25                     |                 |            |
| 434                    | 148  | 1.3               | ..              | 4.90              | 17                     | 154  | 31.               | ..              | 14.08      | 9/16 x 3                       | 35.3                 | 25                     |                 |            |
| 439                    | 148  | 2.8               | ..              | 5.90              | 21                     | 155  | .05               | 12              | .22        | 9/16 x 4                       | 42.8                 | 25                     |                 |            |
| 512                    | 148  | .25               | ..              | 2.30              | 22                     | 155  | .1                | 12              | .24        | 5/8 x 1                        | 26.8                 | 25                     |                 |            |
| 516                    | 148  | .56               | ..              | 2.45              | 23                     | 155  | .2                | 12              | .26        | 5/8 x 2                        | 34.3                 | 25                     |                 |            |
| 520                    | 148  | .75               | ..              | 2.65              | 24                     | 155  | .26               | 12              | .29        | 5/8 x 3                        | 46.5                 | 25                     |                 |            |
| 522                    | 148  | 1.1               | ..              | 2.90              | 25                     | 155  | .4                | 12              | .34        | 5/8 x 4                        | 54.6                 | 25                     |                 |            |
| 525                    | 148  | 1.3               | ..              | 3.30              | 26                     | 155  | .54               | 12              | .40        | 3/4 x 1                        | 38.7                 | 25                     |                 |            |
| 529                    | 148  | 1.6               | ..              | 3.85              | 27                     | 155  | .72               | 12              | .51        | 3/4 x 2                        | 53.                  | 25                     |                 |            |
| <b>CRANK HANDLES</b>   |      |                   |                 |                   | 28                     | 155  | 1.1               | 12              | .67        | 3/4 x 3                        | 66.                  | 25                     |                 |            |
| 00                     | 149  | .38               | ..              | 1.85              | 29                     | 155  | 1.8               | 12              | .88        | 3/4 x 4                        | 78.7                 | 25                     |                 |            |
| 0                      | 149  | .43               | ..              | 2.00              | 30                     | 155  | 2.4               | ..              | 1.18       |                                |                      |                        |                 |            |
| 1                      | 149  | .78               | ..              | 2.30              | 31                     | 155  | 3.5               | ..              | 1.66       |                                |                      |                        |                 |            |
| 2                      | 149  | .75               | ..              | 2.30              | 32                     | 155  | 4.6               | ..              | 2.32       |                                |                      |                        |                 |            |
| 4                      | 149  | 1.                | ..              | 2.65              | 34                     | 155  | 7.5               | ..              | 4.00       |                                |                      |                        |                 |            |
| 6                      | 149  | 1.1               | ..              | 3.15              | 35                     | 155  | 12.5              | ..              | 6.00       |                                |                      |                        |                 |            |
| 8                      | 149  | 1.2               | ..              | 3.85              | 36                     | 155  | 18.               | ..              | 8.48       |                                |                      |                        |                 |            |
| 10                     | 149  | 1.6               | ..              | 4.75              |                        |      |                   |                 |            |                                |                      |                        |                 |            |
| 12                     | 149  | 2.4               | ..              | 5.80              |                        |      |                   |                 |            |                                |                      |                        |                 |            |
| 14                     | 149  | 2.5               | ..              | 6.50              |                        |      |                   |                 |            |                                |                      |                        |                 |            |
| 16                     | 149  | 3.2               | ..              | 8.15              |                        |      |                   |                 |            |                                |                      |                        |                 |            |

\* Threaded Eye Bolt prices; Blanks less.

STANDARD SPECIFICATIONS  
FOR  
WILLIAMS' ♦ "SUPERIOR" DROP-FORGED WRENCHES  
(Carbon Steel)

Williams' "Superior" Wrenches, drop-forged from improved quality carbon steel and specially processed to Williams' exacting specifications, are approximately *twice as strong* as old-fashioned carbon steel wrenches. Over 1000 sizes in a wide range of patterns.



#### Finish

Openings milled or broached, surface and edges smooth, sizes stamped on heads, hardened and black enameled (baked on)—heads polished bright.

All openings are slightly larger than stated in tables to allow for clearance and variations.

#### Special Milling

On small quantities where special openings are specified, an extra charge will be made to cover the cost of "setting up" machines. No extra charge will be made for this special work when quantities are sufficient to cover the cost.

A sample Nut or Screw, as gauge, should accompany orders.

#### Special Wrenches

made to order. Prices will be quoted upon receipt of models, or drawings and specifications stating kind of finish (see above description) and quantity required.

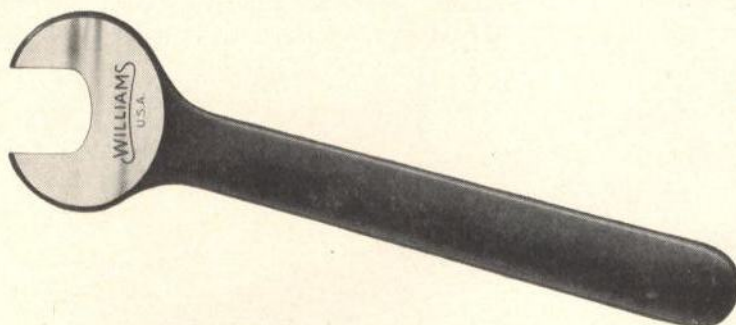
#### When Ordering

please use numbers and state whether requirements are for American Standard HEAVY (U.S.S.), American Standard LIGHT (S.A.E.), American Standard REGULAR, Whitworth Standard or m/m openings and condition of finish desired.

**WILLIAMS' + "SUPERIOR" ENGINEERS' WRENCHES**  
(Carbon Steel)

15° Angle, Single Head

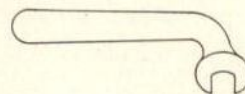
For Standard Nuts and Cap Screws



These Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

Wrenches of this style but with handle tapered will be furnished on orders for the larger sizes, beginning with No. 11.

Handles can be bent above heads at angles of 45° to 90° from opening, at an additional charge; see cut at right.



(Continued on opposite page)

| No.   | Nominal Opening | Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | Amer. Std. Hex Head Cap Screw; Diam. Screw | Amer. Std. LIGHT Nut (S.A.E.); Size Bolt | Amer. Std. REGULAR Nut; Size Bolt | Ex-treme Length, Approx. | LIST PRICE Each | No.   |
|-------|-----------------|------------------------------------------|--------------------------------------------|------------------------------------------|-----------------------------------|--------------------------|-----------------|-------|
| S 000 | 3/16            | .....                                    | .....                                      | .....                                    | *Nos. 2 & 3                       | 2 1/2                    | \$ .28          | S 000 |
| S 00  | 1/4             | .....                                    | .....                                      | .....                                    | *No. 4                            | 2 7/8                    | .28             | S 00  |
| 00    | 5/16            | 1/8                                      | 1/8                                        | .....                                    | *Nos. 5 & 6                       | 3 1/2                    | .28             | 00    |
| 700   | 3/8             | .....                                    | 3/16                                       | .....                                    | *No. 10                           | 4                        | .30             | 700   |
| 0     | 13/32           | 3/16                                     | .....                                      | .....                                    | .....                             | 4                        | .30             | 0     |
| 701   | 7/16            | .....                                    | 1/4                                        | 1/4                                      | 1/4 & *No. 12                     | 4 5/8                    | .36             | 701   |
| 1     | 1/2             | 1/4                                      | 5/16                                       | 5/16                                     | .....                             | 4 5/8                    | .36             | 1     |
| 702   | 9/16            | .....                                    | 3/8                                        | 3/8                                      | 5/16                              | 5 1/2                    | .44             | 702   |
| 2     | 19/32           | 5/16                                     | .....                                      | .....                                    | .....                             | 5 1/2                    | .44             | 2     |
| 703   | 5/8             | .....                                    | 7/16                                       | 7/16                                     | 3/8                               | 6 3/8                    | .52             | 703   |
| 3     | 11/16           | 3/8                                      | .....                                      | .....                                    | .....                             | 6 3/8                    | .52             | 3     |
| 704   | 3/4             | .....                                    | 1/2                                        | 1/2                                      | 7/16                              | 7 1/4                    | .64             | 704   |
| 4     | 25/32           | 7/16                                     | .....                                      | .....                                    | .....                             | 7 1/4                    | .64             | 4     |
| 705   | 13/16           | .....                                    | 9/16                                       | .....                                    | 1/2                               | 8 1/8                    | .76             | 705   |
| 5     | 7/8             | 1/2                                      | 5/8                                        | 9/16                                     | 9/16                              | 8 1/8                    | .76             | 5     |
| 6     | 15/16           | 9/16                                     | .....                                      | 5/8                                      | .....                             | 9 1/4                    | .92             | 6     |
| 706   | 1               | .....                                    | 3/4                                        | .....                                    | 5/8                               | 9 1/4                    | .92             | 706   |

\*Amer. Std. Machine-Screw and Stove-Bolt Nuts.

Weights: see numerical index

♦ REGISTERED TRADE MARK

(Alloy Steel Wrenches, page 29)

**WILLIAMS' + "SUPERIOR" ENGINEERS' WRENCHES**  
(Carbon Steel)

**15° Angle, Single Head**  
**For Standard Nuts and Cap Screws**  
(Continued)

Supplied in Whitworth Standard and Metric Measure; see page 158.

The following Wrenches have hole of diameter given below in end of handle:

|      |     |     |     |     |     |     |     |     |    |     |     |       |       |       |       |        |
|------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-------|-------|-------|-------|--------|
| No.  | 17  | 17A | 18  | 18A | 19  | 19A | 19B | 19C | 20 | 20A | 20B | 21A   | 21B   | 21C   | 22A   | 22B    |
| Hole | 5/8 | 5/8 | 3/4 | 3/4 | 7/8 | 7/8 | 7/8 | 7/8 | 1  | 1   | 1   | 1-1/8 | 1-1/8 | 1-1/8 | 1-1/4 | 1-1/4" |

| No.  | Nominal Opening | Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | Amer. Std. Hex Head Cap Screw; Diam. Screw | Amer. Std. LIGHT Nut (S.A.E.); Size Bolt | Amer. Std. REGULAR Nut; Size Bolt | Ex-treme Length, Approx. | LIST PRICE Each | No.  |
|------|-----------------|------------------------------------------|--------------------------------------------|------------------------------------------|-----------------------------------|--------------------------|-----------------|------|
| 7    | 1 1/16          | 5/8                                      | .....                                      | 3/4                                      | .....                             | 10 1/2                   | \$ 1.14         | 7    |
| 707  | 1 1/8           | .....                                    | 7/8                                        | .....                                    | 3/4                               | 10 1/2                   | 1.14            | 707  |
| 8    | 1 1/4           | 3/4                                      | (†1)                                       | 7/8                                      | .....                             | 12                       | 1.50            | 8    |
| 8A   | 1 5/16          | .....                                    | 1                                          | .....                                    | 7/8                               | 12                       | 1.50            | 8A   |
| 708A | 1 3/8           | .....                                    | (†1 1/8)                                   | .....                                    | .....                             | 12                       | 1.50            | 708A |
| 9    | 1 7/16          | 7/8                                      | .....                                      | 1                                        | .....                             | 13 1/2                   | 2.30            | 9    |
| 709  | 1 1/2           | .....                                    | 1 1/8 (†1 1/4)                             | .....                                    | 1                                 | 13 1/2                   | 2.30            | 709  |
| 10   | 1 5/8           | 1                                        | .....                                      | 1 1/8                                    | .....                             | 15                       | 3.20            | 10   |
| 10A  | 1 11/16         | .....                                    | 1 1/4                                      | .....                                    | 1 1/8                             | 15                       | 3.20            | 10A  |
| 11   | 1 13/16         | 1 1/8                                    | .....                                      | 1 1/4                                    | .....                             | 16 1/2                   | 4.20            | 11   |
| 11A  | 1 7/8           | .....                                    | .....                                      | .....                                    | 1 1/4                             | 16 1/2                   | 4.20            | 11A  |
| 12   | 2               | 1 1/4                                    | .....                                      | 1 3/8                                    | .....                             | 18 1/4                   | 5.70            | 12   |
| 12A  | 2 1/16          | .....                                    | .....                                      | .....                                    | 1 3/8                             | 18 1/4                   | 5.70            | 12A  |
| 13   | 2 3/16          | 1 3/8                                    | .....                                      | 1 1/2                                    | .....                             | 20                       | 7.30            | 13   |
| 13A  | 2 1/4           | .....                                    | .....                                      | .....                                    | 1 1/2                             | 20                       | 7.30            | 13A  |
| 14   | 2 3/8           | 1 1/2                                    | .....                                      | .....                                    | .....                             | 22                       | 9.20            | 14   |
| 14A  | 2 7/16          | .....                                    | .....                                      | .....                                    | 1 5/8                             | 22                       | 9.20            | 14A  |
| 15   | 2 9/16          | 1 5/8                                    | .....                                      | .....                                    | .....                             | 24                       | 11.20           | 15   |
| 15A  | 2 5/8           | .....                                    | .....                                      | .....                                    | 1 3/4                             | 24                       | 11.20           | 15A  |
| 16   | 2 3/4           | 1 3/4                                    | .....                                      | .....                                    | .....                             | 27                       | 13.40           | 16   |
| 16B  | 2 13/16         | .....                                    | .....                                      | .....                                    | 1 7/8                             | 27                       | 13.40           | 16B  |
| 16A  | 2 15/16         | 1 7/8                                    | .....                                      | .....                                    | .....                             | 27                       | 13.40           | 16A  |
| 17A  | 3               | .....                                    | .....                                      | .....                                    | 2                                 | 30                       | 20.50           | 17A  |
| 17   | 3 1/8           | 2                                        | .....                                      | .....                                    | .....                             | 30                       | 20.50           | 17   |
| 18A  | 3 3/8           | .....                                    | .....                                      | .....                                    | 2 1/4                             | 34                       | 29.50           | 18A  |
| 18   | 3 1/2           | 2 1/4                                    | .....                                      | .....                                    | .....                             | 34                       | 29.50           | 18   |
| 19B  | 3 3/4           | .....                                    | .....                                      | .....                                    | 2 1/2                             | 38                       | 42.00           | 19B  |
| 19   | 3 7/8           | 2 1/2                                    | .....                                      | .....                                    | .....                             | 38                       | 42.00           | 19   |
| 19C  | 4 1/8           | .....                                    | .....                                      | .....                                    | 2 3/4                             | 38                       | 42.00           | 19C  |
| 19A  | 4 1/4           | 2 3/4                                    | .....                                      | .....                                    | .....                             | 38                       | 42.00           | 19A  |
| 20B  | 4 1/2           | .....                                    | .....                                      | .....                                    | 3                                 | 42                       | 62.00           | 20B  |
| 20   | 4 5/8           | 3                                        | .....                                      | .....                                    | .....                             | 42                       | 62.00           | 20   |
| 20A  | 5               | 3 1/4                                    | .....                                      | .....                                    | .....                             | 42                       | 62.00           | 20A  |
| 21A  | 5 3/8           | 3 1/2                                    | .....                                      | .....                                    | .....                             | 47                       | 114.00          | 21A  |
| 21B  | 5 3/4           | 3 3/4                                    | .....                                      | .....                                    | .....                             | 47                       | 114.00          | 21B  |
| 21C  | 6 1/8           | 4                                        | .....                                      | .....                                    | .....                             | 47                       | 114.00          | 21C  |
| 22A  | 6 7/8           | 4 1/2                                    | .....                                      | .....                                    | .....                             | 52                       | 204.00          | 22A  |
| 22B  | 7 5/8           | 5                                        | .....                                      | .....                                    | .....                             | 52                       | 204.00          | 22B  |

†Old style cap screw—now obsolete.

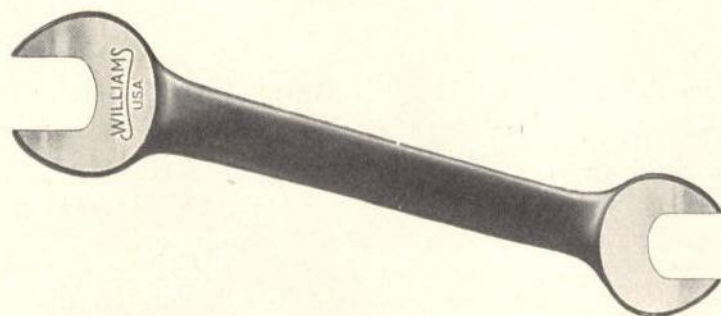
Weights: see numerical index

◆ REGISTERED TRADE MARK

(Alloy Steel Wrenches, page 29)

## WILLIAMS' "SUPERIOR" ENGINEERS' WRENCHES (Carbon Steel)

15° Angle, Double Head



These Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

Supplied in Whitworth Standard and Metric Measure; see pages 158 and 159.

| No.  | Nominal Openings | Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts | Amer. Std. Hex Head Cap Screws; Diam. Screws | Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts | Amer. Std. REGULAR Nuts; Size Bolts | Ex-treme Length, Approx. | LIST PRICE Each | No.  |
|------|------------------|--------------------------------------------|----------------------------------------------|--------------------------------------------|-------------------------------------|--------------------------|-----------------|------|
| 721  | 5/16 & 3/8       | 1/8                                        | 1/8 & 3/16                                   |                                            |                                     | 4 1/8                    | \$ .34          | 721  |
| 723  | 3/8 & 7/16       |                                            | 3/16 & 1/4                                   | 1/4                                        | 1/4                                 | 4 1/2                    | .42             | 723  |
| 725  | 7/16 & 1/2       | 1/4                                        | 1/4 & 5/16                                   | 1/4 & 5/16                                 | 1/4                                 | 5 1/4                    | .50             | 725  |
| 725A | 7/16 & 9/16      |                                            | 1/4 & 3/8                                    | 1/4 & 3/8                                  | 1/4 & 5/16                          | 5 1/4                    | .50             | 725A |
| 725B | 1/2 & 9/16       | 1/4                                        | 5/16 & 3/8                                   | 5/16 & 3/8                                 | 5/16                                | 5 3/4                    | .50             | 725B |
| 25   | 1/2 & 19/32      | 1/4 & 5/16                                 | 5/16                                         | 5/16                                       |                                     | 5 3/4                    | .50             | 25   |
| 727  | 9/16 & 5/8       |                                            | 3/8 & 7/16                                   | 3/8 & 7/16                                 | 5/16 & 3/8                          | 6 1/4                    | .62             | 727  |
| 27   | 19/32 & 11/16    | 5/16 & 3/8                                 |                                              |                                            |                                     | 6 3/4                    | .62             | 27   |
| 27B  | 5/8 & 11/16      | 3/8                                        | 7/16                                         | 7/16                                       | 3/8                                 | 6 3/4                    | .62             | 27B  |
| 28   | 19/32 & 25/32    | 5/16 & 7/16                                |                                              |                                            |                                     | 7 1/4                    | .74             | 28   |
| 729  | 5/8 & 3/4        |                                            | 7/16 & 1/2                                   | 7/16 & 1/2                                 | 3/8 & 7/16                          | 7 1/4                    | .74             | 729  |
| 29B  | 11/16 & 3/4      | 3/8                                        | 1/2                                          | 1/2                                        | 7/16                                | 7 7/8                    | .74             | 29B  |
| 29   | 11/16 & 25/32    | 3/8 & 7/16                                 |                                              |                                            |                                     | 7 7/8                    | .74             | 29   |
| 29C  | 11/16 & 13/16    | 3/8                                        | 9/16                                         |                                            | 1/2                                 | 7 7/8                    | .74             | 29C  |
| 731  | 3/4 & 13/16      |                                            | 1/2 & 9/16                                   | 1/2                                        | 7/16 & 1/2                          | 9 1/8                    | .90             | 731  |
| 731A | 3/4 & 7/8        | 1/2                                        | 1/2 & 5/8                                    | 1/2 & 9/16                                 | 7/16 & 9/16                         | 9 1/8                    | .90             | 731A |
| 31B  | 25/32 & 13/16    | 7/16                                       | 9/16                                         |                                            | 1/2                                 | 9 1/8                    | .90             | 31B  |
| 31   | 25/32 & 7/8      | 7/16 & 1/2                                 | 5/8                                          | 9/16                                       | 9/16                                | 9 1/8                    | .90             | 31   |
| 731B | 13/16 & 7/8      | 1/2                                        | 9/16 & 5/8                                   | 9/16                                       | 1/2 & 9/16                          | 9 1/8                    | .90             | 731B |
| 32B  | 13/16 & 15/16    | 9/16                                       | 9/16                                         | 5/8                                        | 1/2                                 | 10                       | 1.10            | 32B  |
| 33A  | 7/8 & 15/16      | 1/2 & 9/16                                 | 5/8                                          | 9/16 & 5/8                                 | 9/16                                | 10                       | 1.10            | 33A  |
| 733  | 7/8 & 1          | 1/2                                        | 5/8 & 3/4                                    | 9/16                                       | 9/16 & 5/8                          | 10                       | 1.10            | 733  |
| 33C  | 15/16 & 1        | 9/16                                       | 3/4                                          | 5/8                                        | 5/8                                 | 10                       | 1.10            | 33C  |
| 34   | 7/8 & 1 1/16     | 1/2 & 5/8                                  | 5/8                                          | 9/16 & 3/4                                 | 9/16                                | 11                       | 1.36            | 34   |
| 34A  | 15/16 & 1 1/16   | 9/16 & 5/8                                 |                                              | 5/8 & 3/4                                  |                                     | 11                       | 1.36            | 34A  |
| 735  | 1 & 1 1/8        |                                            | 3/4 & 7/8                                    |                                            | 5/8 & 3/4                           | 11                       | 1.36            | 735  |
| 36B  | 1 1/16 & 1 1/8   | 5/8                                        | 7/8                                          | 3/4                                        | 3/4                                 | 12 3/8                   | 1.92            | 36B  |
| 37   | 1 1/16 & 1 1/4   | 5/8 & 3/4                                  |                                              | 3/4 & 7/8                                  |                                     | 12 3/8                   | 1.92            | 37   |
| 737  | 1 1/8 & 1 1/4    | 3/4                                        | 7/8                                          | 7/8                                        | 3/4                                 | 12 3/8                   | 1.92            | 737  |
| 37A  | 1 1/8 & 1 5/16   |                                            | 7/8 & 1                                      |                                            | 3/4 & 7/8                           | 12 3/8                   | 1.92            | 37A  |
| 39B  | 1 1/4 & 1 5/16   | 3/4                                        | 1                                            | 7/8                                        | 7/8                                 | 14                       | 2.80            | 39B  |
| 39   | 1 1/4 & 1 7/16   | 3/4 & 7/8                                  |                                              | 7/8 & 1                                    |                                     | 14                       | 2.80            | 39   |
| 39A  | 1 5/16 & 1 1/2   |                                            | 1 & 1 1/8                                    |                                            | 7/8 & 1                             | 14                       | 2.80            | 39A  |
| 39C  | 1 3/8 & 1 7/16   | 7/8                                        |                                              | 1                                          |                                     | 14                       | 2.80            | 39C  |

♦ REGISTERED TRADE MARK

Weights; see numerical index

(Alloy Steel Wrenches, page 30)

## WILLIAMS' "SUPERIOR" ENGINEERS' WRENCHES (Carbon Steel)

15° Angle, Double Head—(Continued)

| No. | Nominal Openings | Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts | Amer. Std. Hex Head Cap Screws; Diam. Screws | Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts | Amer. Std. REGULAR Nuts; Size Bolts | Ex-treme Length, Approx. | LIST PRICE Each | No. |
|-----|------------------|--------------------------------------------|----------------------------------------------|--------------------------------------------|-------------------------------------|--------------------------|-----------------|-----|
| 41  | 1 7/16 & 1 5/8   | 7/8 & 1                                    | 1 1/8                                        | 1 & 1 1/8                                  | 1                                   | 15 3/4                   | \$ 3.80         | 41  |
| 41B | 1 1/2 & 1 5/8    | 1                                          | 1 1/8                                        | 1 1/8                                      | 1                                   | 15 3/4                   | 3.80            | 41B |
| 42A | 1 1/2 & 1 11/16  | 1 & 1 1/8                                  | 1 1/8 & 1 1/4                                | 1 1/8 & 1 1/4                              | 1 & 1 1/8                           | 17                       | 5.30            | 42A |
| 43  | 1 5/8 & 1 13/16  | 1 & 1 1/8                                  | 1 1/8 & 1 1/4                                | 1 1/8 & 1 1/4                              | 1 & 1 1/8                           | 17                       | 5.30            | 43  |
| 44A | 1 11/16 & 1 7/8  | 1 1/8 & 1 1/4                              | 1 1/4                                        | 1 1/4 & 1 3/8                              | 1 1/8 & 1 1/4                       | 19                       | 7.20            | 44A |
| 45  | 1 13/16 & 2      | 1 1/8 & 1 1/4                              | 1 1/4                                        | 1 1/4 & 1 3/8                              | 1 1/8 & 1 1/4                       | 19                       | 7.20            | 45  |
| 45A | 1 7/8 & 2 1/16   | 1 1/8 & 1 1/4                              | 1 1/4                                        | 1 1/4 & 1 3/8                              | 1 1/8 & 1 1/4                       | 19                       | 7.20            | 45A |
| 47  | 2 & 2 3/16       | 1 1/4 & 1 3/8                              | 1 3/8 & 1 1/2                                | 1 3/8 & 1 1/2                              | 1 3/8 & 1 1/2                       | 21                       | 10.50           | 47  |
| 47B | 2 1/16 & 2 1/4   | 1 1/4 & 1 3/8                              | 1 3/8 & 1 1/2                                | 1 3/8 & 1 1/2                              | 1 3/8 & 1 1/2                       | 21                       | 10.50           | 47B |
| 49  | 2 3/16 & 2 3/8   | 1 3/8 & 1 1/2                              | 1 1/2                                        | 1 1/2                                      | 1 1/2 & 1 5/8                       | 23                       | 14.00           | 49  |
| 49A | 2 1/4 & 2 7/16   | 1 3/8 & 1 1/2                              | 1 1/2                                        | 1 1/2                                      | 1 1/2 & 1 5/8                       | 23                       | 14.00           | 49A |
| 51  | 2 3/8 & 2 9/16   | 1 1/2 & 1 5/8                              | 1 1/2                                        | 1 1/2                                      | 1 5/8 & 1 3/4                       | 25                       | 19.80           | 51  |
| 51A | 2 7/16 & 2 5/8   | 1 1/2 & 1 5/8                              | 1 1/2                                        | 1 1/2                                      | 1 5/8 & 1 3/4                       | 25                       | 19.80           | 51A |
| 53  | 2 9/16 & 2 3/4   | 1 5/8 & 1 3/4                              | 1 3/4 & 1 7/8                                | 1 3/4 & 1 7/8                              | 1 3/4 & 1 7/8                       | 27                       | 24.00           | 53  |
| 53A | 2 5/8 & 2 13/16  | 1 5/8 & 1 3/4                              | 1 3/4 & 1 7/8                                | 1 3/4 & 1 7/8                              | 1 3/4 & 1 7/8                       | 27                       | 24.00           | 53A |
| 54C | 2 3/4 & 2 15/16  | 1 3/4 & 1 7/8                              | 1 3/4 & 1 7/8                                | 1 3/4 & 1 7/8                              | 1 3/4 & 1 7/8                       | 30                       | 28.50           | 54C |
| 55A | 2 13/16 & 3      | 1 7/8 & 2                                  | 1 7/8 & 2                                    | 1 7/8 & 2                                  | 1 7/8 & 2                           | 32                       | 31.00           | 55A |
| 55B | 2 15/16 & 3 1/8  | 1 7/8 & 2                                  | 1 7/8 & 2                                    | 1 7/8 & 2                                  | 1 7/8 & 2                           | 32                       | 31.00           | 55B |
| 57B | 3 & 3 3/8        | 2 & 2 1/4                                  | 2 & 2 1/4                                    | 2 & 2 1/4                                  | 2 & 2 1/4                           | 36                       | 47.00           | 57B |
| 57  | 3 1/8 & 3 1/2    | 2 & 2 1/4                                  | 2 & 2 1/4                                    | 2 & 2 1/4                                  | 2 & 2 1/4                           | 36                       | 47.00           | 57  |
| 58A | 3 3/8 & 3 3/4    | 2 1/4 & 2 1/2                              | 2 1/4 & 2 1/2                                | 2 1/4 & 2 1/2                              | 2 1/4 & 2 1/2                       | 38                       | 62.00           | 58A |
| 58  | 3 1/2 & 3 7/8    | 2 1/4 & 2 1/2                              | 2 1/4 & 2 1/2                                | 2 1/4 & 2 1/2                              | 2 1/4 & 2 1/2                       | 38                       | 62.00           | 58  |
| 60A | 3 3/4 & 4 1/8    | 2 1/2 & 2 3/4                              | 2 1/2 & 2 3/4                                | 2 1/2 & 2 3/4                              | 2 1/2 & 2 3/4                       | 40                       | 75.00           | 60A |
| 60  | 3 7/8 & 4 1/4    | 2 1/2 & 2 3/4                              | 2 1/2 & 2 3/4                                | 2 1/2 & 2 3/4                              | 2 1/2 & 2 3/4                       | 40                       | 75.00           | 60  |
| 62A | 4 1/8 & 4 1/2    | 2 3/4 & 3                                  | 2 3/4 & 3                                    | 2 3/4 & 3                                  | 2 3/4 & 3                           | 43                       | 94.00           | 62A |
| 62  | 4 1/4 & 4 5/8    | 2 3/4 & 3                                  | 2 3/4 & 3                                    | 2 3/4 & 3                                  | 2 3/4 & 3                           | 43                       | 94.00           | 62  |
| 63A | 4 5/8 & 5        | 3 & 3 1/4                                  | 3 & 3 1/4                                    | 3 & 3 1/4                                  | 3 & 3 1/4                           | 47                       | 135.00          | 63A |
| 64A | 5 & 5 3/8        | 3 1/4 & 3 1/2                              | 3 1/4 & 3 1/2                                | 3 1/4 & 3 1/2                              | 3 1/4 & 3 1/2                       | 47                       | 155.00          | 64A |

## "SUPERIOR" DROP-FORGED WRENCH SETS (Carbon Steel)



SET No. 25A

LIST PRICE

In Leatherette Roll

\$5.90

In Cardboard Box

\$4.25

### CONTENTS

One each Nos. 723, 25, 727, 29, 731A and 33C with all popular openings 3/8" to 1".

See Previous Page and Table Above for Individual Wrench Opening and Bolt Size Tabulation.

★ REGISTERED TRADE MARK

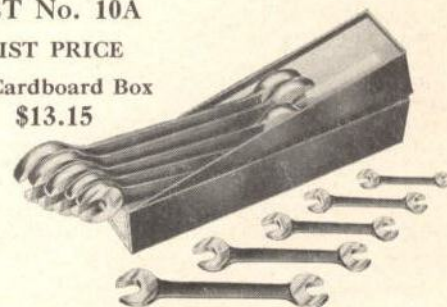
(Alloy Steel Wrenches and Sets, pages 30 and 31)

SET No. 10A

LIST PRICE

In Cardboard Box

\$13.15



### CONTENTS

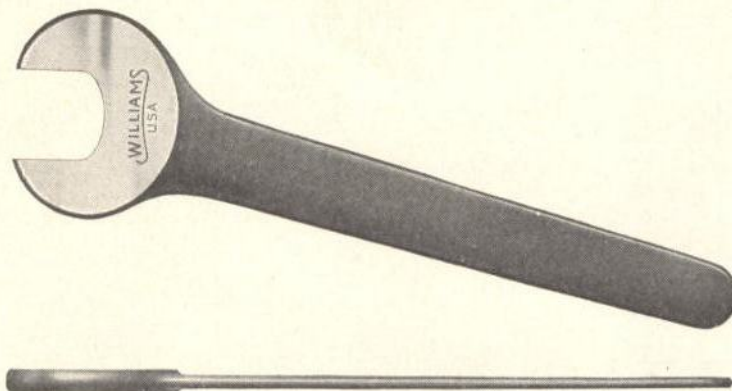
One each Nos. 723, 25, 727, 29, 731, 33A, 735, 37, 39A and 39C with openings 3/8" to 1-7/16"

Weights: see numerical index

**WILLIAMS' + "SUPERIOR" CHECK NUT,  
OR "THIN" WRENCHES**  
(Carbon Steel)

15° Angle, Single Head

For Check, Jam, or Lock Nuts, etc.



This class of Wrench is guaranteed amply strong for its intended purpose, but is not designed for severe service.

Supplied in Whitworth Standard and Metric Measure; see page 159.

These Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

| No.  | Nominal Opening | Amer Std. HEAVY Jam Nut (U.S.S.); Size Bolt | Amer. Std. LIGHT Nut (S.A.E.); Size Bolt | Amer. Std. REGULAR Jam Nut; Size Bolt | Ex-treme Length, Approx. | Thickness Head | LIST PRICE Each | No.  |
|------|-----------------|---------------------------------------------|------------------------------------------|---------------------------------------|--------------------------|----------------|-----------------|------|
| 601A | 7/16            | .....                                       | 1/4                                      | 1/4                                   | 4                        | 5/32           | \$ .36          | 601A |
| 601  | 1/2             | 1/4                                         | 5/16                                     | .....                                 | 4                        | 5/32           | .36             | 601  |
| 602A | 9/16            | .....                                       | 3/8                                      | 5/16                                  | 4 1/2                    | 11/64          | .44             | 602A |
| 602  | 19/32           | 5/16                                        | .....                                    | .....                                 | 4 1/2                    | 11/64          | .44             | 602  |
| 603A | 5/8             | .....                                       | 7/16                                     | 3/8                                   | 5 1/8                    | 3/16           | .52             | 603A |
| 603  | 11/16           | 3/8                                         | .....                                    | .....                                 | 5 1/8                    | 3/16           | .52             | 603  |
| 604A | 3/4             | .....                                       | 1/2                                      | 7/16                                  | 5 7/8                    | 7/32           | .64             | 604A |
| 604  | 25/32           | 7/16                                        | .....                                    | .....                                 | 5 7/8                    | 7/32           | .64             | 604  |
| 605A | 13/16           | .....                                       | .....                                    | 1/2                                   | 6 5/8                    | 1/4            | .76             | 605A |
| 605  | 7/8             | 1/2                                         | 9/16                                     | 9/16                                  | 6 5/8                    | 1/4            | .76             | 605  |
| 606  | 15/16           | 9/16                                        | 5/8                                      | .....                                 | 7 1/2                    | 9/32           | .90             | 606  |
| 606B | 1               | .....                                       | .....                                    | 5/8                                   | 7 1/2                    | 9/32           | .90             | 606B |
| 607  | 1 1/16          | 5/8                                         | 3/4                                      | .....                                 | 8 1/2                    | 5/16           | 1.08            | 607  |
| 607A | 1 1/8           | .....                                       | .....                                    | 3/4                                   | 8 1/2                    | 5/16           | 1.08            | 607A |
| 608  | 1 1/4           | 3/4                                         | 7/8                                      | .....                                 | 10                       | 3/8            | 1.36            | 608  |
| 608A | 1 5/16          | .....                                       | .....                                    | 7/8                                   | 10                       | 3/8            | 1.36            | 608A |
| 609  | 1 7/16          | 7/8                                         | 1                                        | .....                                 | 11 5/8                   | 7/16           | 1.84            | 609  |
| 609A | 1 1/2           | .....                                       | .....                                    | 1                                     | 11 5/8                   | 7/16           | 1.84            | 609A |
| 610  | 1 5/8           | 1                                           | 1 1/8                                    | .....                                 | 13 1/4                   | 1/2            | 2.60            | 610  |
| 610A | 1 11/16         | .....                                       | .....                                    | 1 1/8                                 | 13 1/4                   | 1/2            | 2.60            | 610A |

Weights: see numerical index

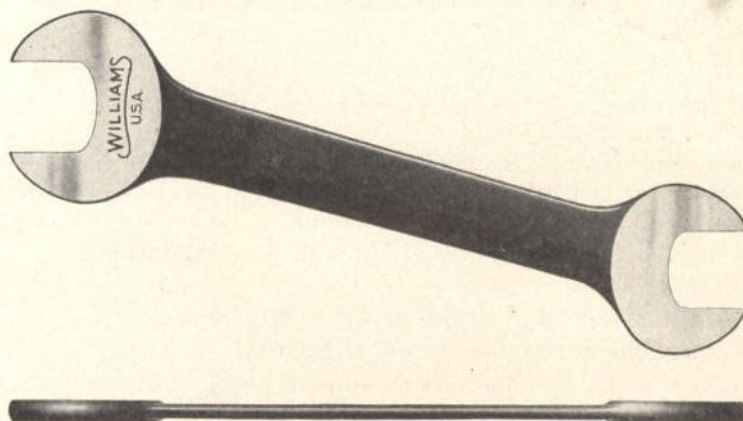
♦ REGISTERED TRADE MARK

3-49

WILLIAMS' + "SUPERIOR" CHECK NUT,  
OR "THIN" WRENCHES  
(Carbon Steel)

15° Angle, Double Head

For Check, Jam, or Lock Nuts, etc.



For description, see opposite page. Whitworth and Metric sizes, see page 159.

| No.  | Nominal<br>Openings | Amer. Std.<br>HEAVY<br>Jam Nuts<br>(U.S.S.);<br>Size Bolts | Amer.<br>Std.<br>LIGHT Nuts<br>(S.A.E.);<br>Size Bolts | Amer.<br>Std.<br>REGULAR<br>Jam Nuts;<br>Size Bolts | Extreme<br>Length,<br>Approx. | Thick-<br>ness<br>Heads | List<br>Price<br>Each | No.  |
|------|---------------------|------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------|-------------------------------|-------------------------|-----------------------|------|
| 623D | 7/16 & 1/2          | 1/4                                                        | 1/4 & 5/16                                             | 1/4                                                 | 4 5/8                         | 5/32                    | \$ .50                | 623D |
| 624A | 7/16 & 9/16         | .....                                                      | 1/4 & 3/8                                              | 1/4 & 5/16                                          | 4 3/4                         | 5/32                    | .50                   | 624A |
| 624B | 1/2 & 9/16          | 1/4                                                        | 5/16 & 3/8                                             | 5/16                                                | 4 3/4                         | 5/32                    | .50                   | 624B |
| 625  | 1/2 & 19/32         | 1/4 & 5/16                                                 | 5/16                                                   | .....                                               | 4 3/4                         | 5/32                    | .50                   | 625  |
| 626S | 9/16 & 5/8          | .....                                                      | 3/8 & 7/16                                             | 5/16 & 3/8                                          | 6                             | 3/16                    | .64                   | 626S |
| 627  | 19/32 & 11/16       | 5/16 & 3/8                                                 | .....                                                  | .....                                               | 6                             | 3/16                    | .64                   | 627  |
| 629D | 5/8 & 3/4           | .....                                                      | 7/16 & 1/2                                             | 3/8 & 7/16                                          | 6 3/4                         | 3/16                    | .72                   | 629D |
| 629  | 11/16 & 25/32       | 3/8 & 7/16                                                 | .....                                                  | .....                                               | 6 3/4                         | 3/16                    | .72                   | 629  |
| 630B | 3/4 & 13/16         | .....                                                      | 1/2                                                    | 7/16 & 1/2                                          | 7 1/2                         | 7/32                    | .80                   | 630B |
| 630E | 3/4 & 7/8           | 1/2                                                        | 1/2 & 9/16                                             | 7/16 & 9/16                                         | 7 1/2                         | 7/32                    | .80                   | 630E |
| 631  | 25/32 & 7/8         | 7/16 & 1/2                                                 | 9/16                                                   | .....                                               | 7 1/2                         | 7/32                    | .80                   | 631  |
| 631A | 13/16 & 7/8         | 1/2                                                        | 9/16                                                   | 1/2 & 9/16                                          | 7 1/2                         | 7/32                    | .80                   | 631A |
| 632C | 7/8 & 15/16         | 1/2 & 9/16                                                 | 9/16 & 5/8                                             | 9/16                                                | 8 3/4                         | 1/4                     | 1.12                  | 632C |
| 634A | 7/8 & 1             | 1/2                                                        | 9/16                                                   | 9/16 & 5/8                                          | 8 7/8                         | 1/4                     | 1.12                  | 634A |
| 634B | 15/16 & 1 1/16      | 9/16 & 5/8                                                 | 5/8 & 3/4                                              | .....                                               | 8 7/8                         | 1/4                     | 1.12                  | 634B |
| 635D | 1 & 1 1/8           | .....                                                      | .....                                                  | 5/8 & 3/4                                           | 10 1/2                        | 9/32                    | 1.68                  | 635D |
| 637  | 1 1/16 & 1 1/4      | 5/8 & 3/4                                                  | 3/4 & 7/8                                              | .....                                               | 10 1/2                        | 9/32                    | 1.68                  | 637  |
| 637A | 1 1/8 & 1 5/16      | .....                                                      | .....                                                  | 3/4 & 7/8                                           | 10 1/2                        | 9/32                    | 1.68                  | 637A |
| 639  | 1 1/4 & 1 7/16      | 3/4 & 7/8                                                  | 7/8 & 1                                                | .....                                               | 12 1/2                        | 3/8                     | 2.60                  | 639  |
| 640A | 1 5/16 & 1 1/2      | .....                                                      | .....                                                  | 7/8 & 1                                             | 12 1/2                        | 3/8                     | 2.60                  | 640A |

Weights: see numerical index.

♦ REGISTERED TRADE MARK

## WILLIAMS' + "SUPERIOR" HEX-BOX WRENCHES (Carbon Steel)

REGULAR PATTERN—15° Angle



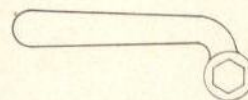
These Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

Designed for use requiring an exceedingly strong tool and where head clearance is limited. Two Patterns—Regular for general work, Heavy for severe service. Wrenches larger than No. 810 Regular and No. H809 Heavy have tapered handle.

These Wrenches can also be furnished, to order, with 12-point openings.

For Whitworth Standard sizes see page 160.

Handle can be bent above head at angles of 45° to 90° from opening, at an additional charge; see illustration at right.



(Continued on opposite page)

| No.  | Nominal Opening Across Flats | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Hd Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGLR. Nut | Extreme Length, Approx. | Head       |               | LIST PRICE Each | No.  |
|------|------------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------------|-------------------------|------------|---------------|-----------------|------|
|      |                              |                               |                             |                               |                       |                         | Thick-ness | Outside Diam. |                 |      |
| 800  | 13/32                        | 3/16                          | 3/16                        |                               |                       | 3 1/2                   | 7/32       | 45/64         | \$ .36          | 800  |
| 801A | 7/16                         |                               | 1/4                         | 1/4                           | 1/4                   | 4                       | 17/64      | 27/32         | .42             | 801A |
| 801  | 1/2                          | 1/4                           | 5/16                        |                               |                       | 4                       | 17/64      | 27/32         | .42             | 801  |
| 802A | 9/16                         |                               | 3/8                         | 3/8                           | 5/16                  | 4 7/8                   | 5/16       | 63/64         | .50             | 802A |
| 802  | 19/32                        | 5/16                          |                             |                               |                       | 4 7/8                   | 5/16       | 63/64         | .50             | 802  |
| 803A | 5/8                          |                               | 7/16                        | 7/16                          | 3/8                   | 5 7/8                   | 23/64      | 1 9/64        | .58             | 803A |
| 803  | 11/16                        | 3/8                           |                             |                               |                       | 5 7/8                   | 23/64      | 1 9/64        | .58             | 803  |
| 804A | 3/4                          |                               | 1/2                         | 1/2                           | 7/16                  | 6 7/8                   | 13/32      | 1 9/32        | .70             | 804A |
| 804  | 25/32                        | 7/16                          |                             |                               |                       | 6 7/8                   | 13/32      | 1 9/32        | .70             | 804  |
| 805A | 13/16                        |                               | 9/16                        |                               | 1/2                   | 7 3/4                   | 29/64      | 1 27/64       | .84             | 805A |
| 805  | 7/8                          | 1/2                           | 5/8                         | 9/16                          | 9/16                  | 7 3/4                   | 29/64      | 1 27/64       | .84             | 805  |
| 806  | 15/16                        | 9/16                          |                             | 5/8                           |                       | 8 3/4                   | 1/2        | 1 19/32       | 1.00            | 806  |
| 806B | 1                            |                               | 3/4                         |                               | 5/8                   | 8 3/4                   | 1/2        | 1 19/32       | 1.00            | 806B |
| 807  | 1 1/16                       | 5/8                           |                             | 3/4                           |                       | 9 7/8                   | 9/16       | 1 25/32       | 1.24            | 807  |
| 807A | 1 1/8                        |                               | 7/8                         |                               | 3/4                   | 9 7/8                   | 9/16       | 1 25/32       | 1.24            | 807A |
| 808  | 1 1/4                        | 3/4                           |                             | 7/8                           |                       | 11 1/2                  | 9/16       | 2 1/16        | 1.56            | 808  |
| 808A | 1 5/16                       |                               | 1                           |                               | 7/8                   | 11 1/2                  | 9/16       | 2 1/16        | 1.56            | 808A |
| 809  | 1 7/16                       | 7/8                           |                             | 1                             |                       | 13 3/8                  | 21/32      | 2 3/8         | 2.08            | 809  |
| 809A | 1 1/2                        |                               | 1 1/8                       |                               | 1                     | 13 3/8                  | 21/32      | 2 3/8         | 2.08            | 809A |
| 810  | 1 5/8                        | 1                             |                             | 1 1/8                         |                       | 15 1/4                  | 3/4        | 2 5/8         | 2.80            | 810  |
| 810A | 1 11/16                      |                               | 1 1/4                       |                               | 1 1/8                 | 15 1/4                  | 3/4        | 2 5/8         | 2.80            | 810A |
| 811  | 1 13/16                      | 1 1/8                         |                             | 1 1/4                         |                       | 17 1/8                  | 13/16      | 2 29/32       | 3.70            | 811  |
| 811A | 1 7/8                        |                               |                             |                               | 1 1/4                 | 17 1/8                  | 13/16      | 2 29/32       | 3.70            | 811A |
| 812  | 2                            | 1 1/4                         |                             | 1 3/8                         |                       | 19                      | 15/16      | 3 1/4         | 4.80            | 812  |
| 813  | 2 3/16                       | 1 3/8                         |                             | 1 1/2                         |                       | 21                      | 1          | 3 31/64       | 6.00            | 813  |
| 813A | 2 1/4                        |                               |                             |                               | 1 1/2                 | 21                      | 1          | 3 31/64       | 6.00            | 813A |
| 814  | 2 3/8                        | 1 1/2                         |                             |                               |                       | 23                      | 1 1/16     | 3 23/32       | 7.50            | 814  |
| 815  | 2 9/16                       | 1 5/8                         |                             |                               |                       | 25                      | 1 1/8      | 4 3/32        | 9.20            | 815  |
| 815A | 2 5/8                        |                               |                             |                               | 1 3/4                 | 25                      | 1 1/8      | 4 3/32        | 9.20            | 815A |
| 816  | 2 3/4                        | 1 3/4                         |                             |                               |                       | 27                      | 1 1/4      | 4 9/16        | 12.50           | 816  |
| 817A | 3                            |                               |                             |                               | 2                     | 30                      | 1 3/8      | 4 53/64       | 17.00           | 817A |
| 817  | 3 1/8                        | 2                             |                             |                               |                       | 30                      | 1 3/8      | 4 53/64       | 17.00           | 817  |

Weights: see numerical index

✦ REGISTERED TRADE MARK

(Alloy Steel Wrenches, page 35)

**WILLIAMS' ♦ "SUPERIOR" HEX-BOX WRENCHES**  
(Carbon Steel)

**REGULAR PATTERN—15° Angle**  
(Continued)

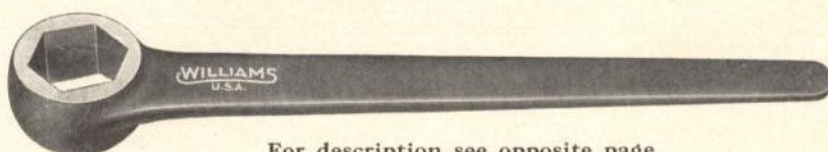
The following long Wrenches have hole of size given below in end of handle:

|             |            |             |            |             |            |             |              |             |            |             |
|-------------|------------|-------------|------------|-------------|------------|-------------|--------------|-------------|------------|-------------|
| Number,     | <b>817</b> | <b>817A</b> | <b>818</b> | <b>818A</b> | <b>819</b> | <b>819A</b> | <b>819AC</b> | <b>819B</b> | <b>820</b> | <b>820B</b> |
| Hole; diam. | 5/8        | 5/8         | 3/4        | 3/4         | 7/8        | 7/8         | 7/8          | 7/8         | 1          | 1 inch      |

| No.          | Nominal Opening Across Flats | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. REGULAR Nut | Extreme Length, Approx. | Head         |               | LIST PRICE Each | No.          |
|--------------|------------------------------|-------------------------------|------------------------|-------------------------|--------------|---------------|-----------------|--------------|
|              |                              |                               |                        |                         | Thick-ness   | Outside Diam. |                 |              |
| <b>818A</b>  | <b>3 3/8</b>                 | .....                         | <b>2 1/4</b>           | <b>34</b>               | <b>1 1/2</b> | <b>5 1/4</b>  | <b>\$22.00</b>  | <b>818A</b>  |
| <b>818</b>   | <b>3 1/2</b>                 | <b>2 1/4</b>                  | .....                  | <b>34</b>               | <b>1 1/2</b> | <b>5 1/4</b>  | <b>22.00</b>    | <b>818</b>   |
| <b>819B</b>  | <b>3 3/4</b>                 | .....                         | <b>2 1/2</b>           | <b>38</b>               | <b>1 5/8</b> | <b>5 7/8</b>  | <b>29.00</b>    | <b>819B</b>  |
| <b>819</b>   | <b>3 7/8</b>                 | <b>2 1/2</b>                  | .....                  | <b>38</b>               | <b>1 5/8</b> | <b>5 7/8</b>  | <b>29.00</b>    | <b>819</b>   |
| <b>819AC</b> | <b>4 1/8</b>                 | .....                         | <b>2 3/4</b>           | <b>42</b>               | <b>1 3/4</b> | <b>6 1/2</b>  | <b>37.00</b>    | <b>819AC</b> |
| <b>819A</b>  | <b>4 1/4</b>                 | <b>2 3/4</b>                  | .....                  | <b>42</b>               | <b>1 3/4</b> | <b>6 1/2</b>  | <b>37.00</b>    | <b>819A</b>  |
| <b>820B</b>  | <b>4 1/2</b>                 | .....                         | <b>3</b>               | <b>46</b>               | <b>1 7/8</b> | <b>7</b>      | <b>50.00</b>    | <b>820B</b>  |
| <b>820</b>   | <b>4 5/8</b>                 | <b>3</b>                      | .....                  | <b>46</b>               | <b>1 7/8</b> | <b>7</b>      | <b>50.00</b>    | <b>820</b>   |

**♦ "SUPERIOR" HEX-BOX WRENCHES**  
(Carbon Steel)

**HEAVY PATTERN—15° Angle**



For description see opposite page

| No.          | Nominal Opening Across Flats | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Hd. Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGLR. Nut | Extreme Length, Approx. | Head         |                | LIST PRICE Each | No.          |
|--------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------|-------------------------|--------------|----------------|-----------------|--------------|
|              |                              |                               |                              |                               |                       |                         | Thick-ness   | Outside Diam.  |                 |              |
| <b>H808</b>  | <b>1 1/4</b>                 | <b>3/4</b>                    | .....                        | <b>7/8</b>                    | .....                 | <b>11 1/2</b>           | <b>13/16</b> | <b>2 1/16</b>  | <b>\$ 2.20</b>  | <b>H808</b>  |
| <b>H808A</b> | <b>1 5/16</b>                | .....                         | <b>1</b>                     | .....                         | <b>7/8</b>            | <b>11 1/2</b>           | <b>13/16</b> | <b>2 1/16</b>  | <b>2.20</b>     | <b>H808A</b> |
| <b>H809</b>  | <b>1 7/16</b>                | <b>7/8</b>                    | .....                        | <b>1</b>                      | .....                 | <b>13 3/8</b>           | <b>15/16</b> | <b>2 3/8</b>   | <b>2.95</b>     | <b>H809</b>  |
| <b>H809A</b> | <b>1 1/2</b>                 | .....                         | <b>1 1/8</b>                 | .....                         | <b>1</b>              | <b>13 3/8</b>           | <b>15/16</b> | <b>2 3/8</b>   | <b>2.95</b>     | <b>H809A</b> |
| <b>H810</b>  | <b>1 5/8</b>                 | <b>1</b>                      | .....                        | <b>1 1/8</b>                  | .....                 | <b>15 1/4</b>           | <b>1 1/8</b> | <b>2 5/8</b>   | <b>3.90</b>     | <b>H810</b>  |
| <b>H810A</b> | <b>1 11/16</b>               | .....                         | <b>1 1/4</b>                 | .....                         | <b>1 1/8</b>          | <b>15 1/4</b>           | <b>1 1/8</b> | <b>2 5/8</b>   | <b>3.90</b>     | <b>H810A</b> |
| <b>H811</b>  | <b>1 13/16</b>               | <b>1 1/8</b>                  | .....                        | <b>1 1/4</b>                  | .....                 | <b>17</b>               | <b>1 1/4</b> | <b>2 15/16</b> | <b>5.15</b>     | <b>H811</b>  |
| <b>H811A</b> | <b>1 7/8</b>                 | .....                         | .....                        | .....                         | <b>1 1/4</b>          | <b>17</b>               | <b>1 1/4</b> | <b>2 15/16</b> | <b>5.15</b>     | <b>H811A</b> |
| <b>H812</b>  | <b>2</b>                     | <b>1 1/4</b>                  | .....                        | <b>1 3/8</b>                  | .....                 | <b>19</b>               | <b>1 3/8</b> | <b>3 1/4</b>   | <b>6.65</b>     | <b>H812</b>  |
| <b>H813</b>  | <b>2 3/16</b>                | <b>1 3/8</b>                  | .....                        | <b>1 1/2</b>                  | .....                 | <b>21</b>               | <b>1 1/2</b> | <b>3 1/2</b>   | <b>8.40</b>     | <b>H813</b>  |
| <b>H813A</b> | <b>2 1/4</b>                 | .....                         | .....                        | .....                         | <b>1 1/2</b>          | <b>21</b>               | <b>1 1/2</b> | <b>3 1/2</b>   | <b>8.40</b>     | <b>H813A</b> |
| <b>H814</b>  | <b>2 3/8</b>                 | <b>1 1/2</b>                  | .....                        | .....                         | .....                 | <b>23</b>               | <b>1 5/8</b> | <b>3 3/4</b>   | <b>10.50</b>    | <b>H814</b>  |
| <b>H815</b>  | <b>2 9/16</b>                | <b>1 5/8</b>                  | .....                        | .....                         | .....                 | <b>25</b>               | <b>1 3/4</b> | <b>4 1/8</b>   | <b>13.00</b>    | <b>H815</b>  |
| <b>H815A</b> | <b>2 5/8</b>                 | .....                         | .....                        | .....                         | <b>1 3/4</b>          | <b>25</b>               | <b>1 3/4</b> | <b>4 1/8</b>   | <b>13.00</b>    | <b>H815A</b> |
| <b>H816</b>  | <b>2 3/4</b>                 | <b>1 3/4</b>                  | .....                        | .....                         | .....                 | <b>27</b>               | <b>1 7/8</b> | <b>4 9/16</b>  | <b>17.50</b>    | <b>H816</b>  |
| <b>H817A</b> | <b>3</b>                     | .....                         | .....                        | .....                         | <b>2</b>              | <b>30</b>               | <b>2</b>     | <b>4 13/16</b> | <b>24.00</b>    | <b>H817A</b> |
| <b>H817</b>  | <b>3 1/8</b>                 | <b>2</b>                      | .....                        | .....                         | .....                 | <b>30</b>               | <b>2</b>     | <b>4 13/16</b> | <b>24.00</b>    | <b>H817</b>  |

Weights: see numerical index

♦ REGISTERED TRADE MARK

(Alloy Steel Wrenches, pages 35 and 36)

**WILLIAMS' "SUPERIOR" HEX-BOX WRENCHES**  
(Carbon Steel)

**STRIKING FACE PATTERN — 15° Angle**  
**HEAVY AND REGULAR**



These Striking Face Box Wrenches are designed for heavy work in close quarters where large nuts must be set up tight, or frozen nuts loosened.

Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

**HEAVY PATTERN**

| No.      | Nominal Opening Across Flats | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGULAR Nut | Ex-treme Length Approx. | Head       |               | List Price, Each |
|----------|------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|-------------------------|------------|---------------|------------------|
|          |                              |                               |                               |                               |                        |                         | Thick-ness | Outside Diam. |                  |
| SFH-808  | 1 1/4                        | 3/4                           |                               | 7/8                           |                        | 7                       | 13/16      | 2 1/16        | \$ 9.75          |
| SFH-808A | 1 5/16                       |                               | 1                             |                               | 7/8                    | 7                       | 13/16      | 2 1/16        | 9.75             |
| SFH-809  | 1 7/16                       | 7/8                           |                               | 1                             |                        | 8                       | 15/16      | 2 3/8         | 10.50            |
| SFH-809A | 1 1/2                        |                               | 1 1/8                         |                               | 1                      | 8                       | 15/16      | 2 3/8         | 10.50            |
| SFH-810  | 1 5/8                        | 1                             |                               | 1 1/8                         |                        | 9                       | 1 1/8      | 2 5/8         | 11.45            |
| SFH-810A | 1 11/16                      |                               | 1 1/4                         |                               | 1 1/8                  | 9                       | 1 1/8      | 2 5/8         | 11.45            |
| SFH-811  | 1 13/16                      | 1 1/8                         |                               | 1 1/4                         |                        | 10                      | 1 1/4      | 2 15/16       | 12.70            |
| SFH-811A | 1 7/8                        |                               |                               |                               | 1 1/4                  | 10                      | 1 1/4      | 2 15/16       | 12.70            |
| SFH-812  | 2                            | 1 1/4                         |                               | 1 3/8                         |                        | 11                      | 1 3/8      | 3 1/4         | 14.20            |
| SFH-813  | 2 3/16                       | 1 3/8                         |                               | 1 1/2                         |                        | 12                      | 1 1/2      | 3 1/2         | 15.95            |
| SFH-813A | 2 1/4                        |                               |                               |                               | 1 1/2                  | 12                      | 1 1/2      | 3 1/2         | 15.95            |
| SFH-814  | 2 3/8                        | 1 1/2                         |                               |                               |                        | 13                      | 1 5/8      | 3 3/4         | 18.00            |
| SFH-815  | 2 9/16                       | 1 5/8                         |                               |                               |                        | 14                      | 1 3/4      | 4 1/8         | 21.00            |
| SFH-815A | 2 5/8                        |                               |                               |                               | 1 3/4                  | 14                      | 1 3/4      | 4 1/8         | 21.00            |
| SFH-816  | 2 3/4                        | 1 3/4                         |                               |                               |                        | 15                      | 1 7/8      | 4 9/16        | 25.50            |
| SFH-817A | 3                            |                               |                               |                               | 2                      | 17                      | 2          | 4 13/16       | 32.45            |
| SFH-817  | 3 1/8                        | 2                             |                               |                               |                        | 17                      | 2          | 4 13/16       | 32.45            |

**REGULAR PATTERN**

|          |       |       |  |  |       |    |       |       |       |
|----------|-------|-------|--|--|-------|----|-------|-------|-------|
| SF-818A  | 3 3/8 |       |  |  | 2 1/4 | 18 | 1 1/2 | 5 1/4 | 32.00 |
| SF-818   | 3 1/2 | 2 1/4 |  |  |       | 18 | 1 1/2 | 5 1/4 | 32.00 |
| SF-819B  | 3 3/4 |       |  |  | 2 1/2 | 19 | 1 5/8 | 5 7/8 | 39.00 |
| SF-819   | 3 7/8 | 2 1/2 |  |  |       | 19 | 1 5/8 | 5 7/8 | 39.00 |
| SF-819AC | 4 1/8 |       |  |  | 2 3/4 | 20 | 1 3/4 | 6 1/2 | 47.00 |
| SF-819A  | 4 1/4 | 2 3/4 |  |  |       | 20 | 1 3/4 | 6 1/2 | 47.00 |
| SF-820B  | 4 1/2 |       |  |  | 3     | 21 | 1 7/8 | 7     | 60.00 |
| SF-820   | 4 5/8 | 3     |  |  |       | 21 | 1 7/8 | 7     | 60.00 |

Weights: see numerical index

✦ REGISTERED TRADE MARK

(Alloy Steel Wrenches, pages 38 and 39)

WILLIAMS' ♦ "SUPERIOR" SQUARE BOX WRENCHES  
(Carbon Steel)

22 1/2° Angle, Single Head

For Set Screws, Square Cap Screws and Nuts



These Wrenches are broached, surface and edges smooth, hardened and black enameled (baked on)—heads bright.

These Wrenches can also be furnished, to order, with 8-point openings.

| No. | Nominal<br>Opening | For<br>Set<br>Screw;<br>Size | For<br>Square<br>Head<br>Cap<br>Screw | Amer.<br>Std.<br>REGLR.<br>Square<br>Nut | Extreme<br>Length,<br>Approx. | Head      |                  | LIST<br>PRICE<br>Each | No. |
|-----|--------------------|------------------------------|---------------------------------------|------------------------------------------|-------------------------------|-----------|------------------|-----------------------|-----|
|     |                    |                              |                                       |                                          |                               | Thickness | Outside<br>Diam. |                       |     |
| 580 | 3/16               | 3/16                         | .....                                 | .....                                    | 3                             | 1/4       | 1/2              | \$ .30                | 580 |
| 581 | 1/4                | 1/4                          | .....                                 | .....                                    | 3 3/8                         | 9/32      | 5/8              | .34                   | 581 |
| 582 | 5/16               | 5/16                         | .....                                 | .....                                    | 3 3/4                         | 5/16      | 11/16            | .40                   | 582 |
| 583 | 3/8                | 3/8                          | 1/4                                   | .....                                    | 4 1/4                         | 3/8       | 27/32            | .48                   | 583 |
| 584 | 7/16               | 7/16                         | 5/16                                  | 1/4                                      | 4 7/8                         | 7/16      | 31/32            | .56                   | 584 |
| 585 | 1/2                | 1/2                          | 3/8                                   | .....                                    | 5 1/2                         | 15/32     | 1 1/16           | .68                   | 585 |
| 586 | 9/16               | 9/16                         | 7/16                                  | 5/16                                     | 6 1/4                         | 1/2       | 1 3/16           | .82                   | 586 |
| 587 | 5/8                | 5/8                          | 1/2                                   | 3/8                                      | 7                             | 9/16      | 1 5/16           | 1.00                  | 587 |
| 588 | 3/4                | 3/4                          | 5/8                                   | 7/16                                     | 8                             | 5/8       | 1 9/16           | 1.24                  | 588 |
| 589 | 7/8                | 7/8                          | 3/4                                   | 9/16                                     | 9                             | 11/16     | 1 25/32          | 1.62                  | 589 |
| 590 | 1                  | 1                            | .....                                 | 5/8                                      | 10                            | 3/4       | 2                | 2.10                  | 590 |

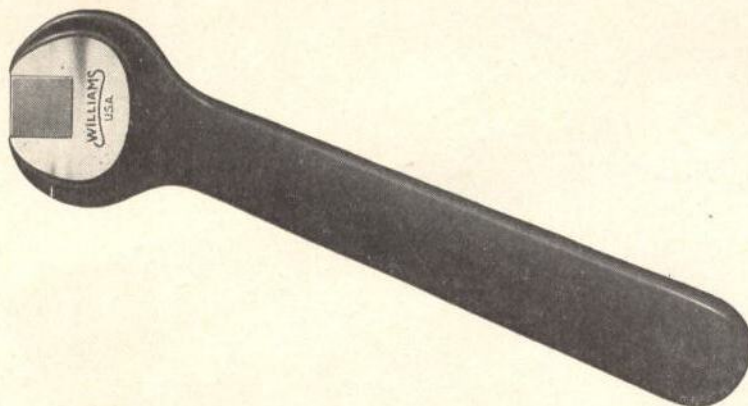
Weights: see numerical index

♦ REGISTERED TRADE MARK

**WILLIAMS' ♦ "SUPERIOR" SET SCREW WRENCHES**  
(Carbon Steel)

**22 1/2° Angle, Single Head**

**For Set Screws, Square Caps Screws and Nuts**



These Wrenches are milled, surface and edges smooth, size stamped on head, hardened black enameled (baked on)—head bright.

| No. | Nominal Opening | For Set Screw; Size | For Square Head Cap Screw | For Amer. Std. REGULAR Square Nut | Extreme Length, Approx. | Thickness Head | LIST PRICE Each | No. |
|-----|-----------------|---------------------|---------------------------|-----------------------------------|-------------------------|----------------|-----------------|-----|
| 500 | 3/16            | 3/16                | .....                     | .....                             | 3                       | 3/16           | \$ .28          | 500 |
| 501 | 1/4             | 1/4                 | .....                     | .....                             | 3 1/2                   | 1/4            | .34             | 501 |
| 502 | 5/16            | 5/16                | .....                     | .....                             | 4 1/4                   | 5/16           | .42             | 502 |
| 503 | 3/8             | 3/8                 | 1/4                       | .....                             | 5                       | 11/32          | .50             | 503 |
| 504 | 7/16            | 7/16                | 5/16                      | 1/4                               | 5 3/4                   | 3/8            | .62             | 504 |
| 505 | 1/2             | 1/2                 | 3/8                       | .....                             | 6 5/8                   | 7/16           | .76             | 505 |
| 506 | 9/16            | 9/16                | 7/16                      | 5/16                              | 7 1/2                   | 1/2            | .92             | 506 |
| 507 | 5/8             | 5/8                 | 1/2                       | 3/8                               | 8 1/2                   | 9/16           | 1.10            | 507 |
| 508 | 3/4             | 3/4                 | 5/8                       | 7/16                              | 9 1/2                   | 5/8            | 1.36            | 508 |
| 509 | 7/8             | 7/8                 | 3/4                       | 9/16                              | 10 1/2                  | 11/16          | 1.68            | 509 |
| 510 | 1               | 1                   | .....                     | 5/8                               | 11 1/2                  | 3/4            | 2.20            | 510 |
| 511 | 1 1/8           | 1 1/8               | 7/8                       | 3/4                               | 12 1/2                  | 13/16          | 2.80            | 511 |

Weights: see numerical index

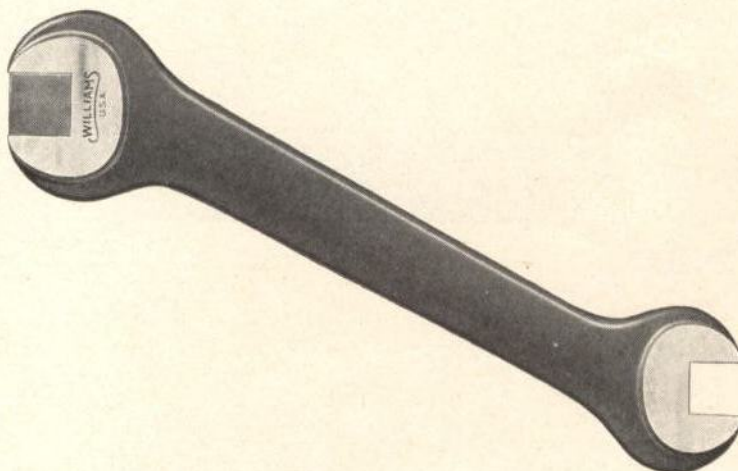
♦ REGISTERED TRADE MARK

3-49

**WILLIAMS' ♦ "SUPERIOR" SET SCREW WRENCHES**  
(Carbon Steel)

**22 1/2° Angle, Double Head**

**For Set Screws, Square Cap Screws and Nuts**



These Wrenches are milled, surface and edges smooth, sizes stamped on heads, hardened and black enameled (baked on)—heads bright.

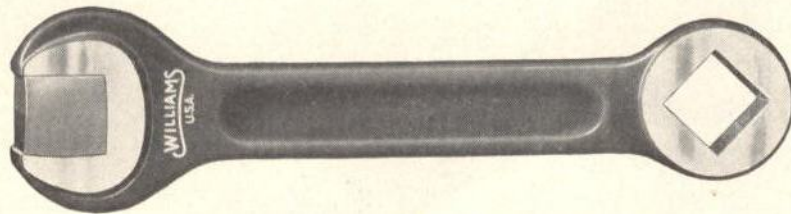
| No. | Nominal Openings | For Set Screws; Size | For Square Head Cap Screws; Diam. Screws | For Amer. Std. REGULAR Square Nuts | Ex-treme Length, Approx. | Thick-ness Head | LIST PRICE Each | No. |
|-----|------------------|----------------------|------------------------------------------|------------------------------------|--------------------------|-----------------|-----------------|-----|
| 525 | 1/4 & 5/16       | 1/4 & 5/16           | .....                                    | .....                              | 4 1/4                    | 9/32            | \$ .48          | 525 |
| 527 | 5/16 & 3/8       | 5/16 & 3/8           | 1/4                                      | .....                              | 5                        | 11/32           | .58             | 527 |
| 529 | 3/8 & 7/16       | 3/8 & 7/16           | 1/4 & 5/16                               | 1/4                                | 5 3/4                    | 3/8             | .70             | 529 |
| 531 | 7/16 & 1/2       | 7/16 & 1/2           | 5/16 & 3/8                               | 1/4                                | 6 5/8                    | 7/16            | .90             | 531 |
| 533 | 1/2 & 9/16       | 1/2 & 9/16           | 3/8 & 7/16                               | 5/16                               | 7 1/2                    | 1/2             | 1.08            | 533 |
| 535 | 9/16 & 5/8       | 9/16 & 5/8           | 7/16 & 1/2                               | 5/16 & 3/8                         | 8 1/2                    | 9/16            | 1.30            | 535 |
| 537 | 5/8 & 3/4        | 5/8 & 3/4            | 1/2 & 5/8                                | 3/8 & 7/16                         | 9 3/4                    | 5/8             | 1.60            | 537 |
| 539 | 3/4 & 7/8        | 3/4 & 7/8            | 5/8 & 3/4                                | 7/16 & 9/16                        | 11                       | 11/16           | 2.00            | 539 |
| 541 | 7/8 & 1          | 7/8 & 1              | 3/4                                      | 9/16 & 5/8                         | 12 1/2                   | 3/4             | 2.60            | 541 |
| 543 | 1 & 1 1/8        | 1 & 1 1/8            | 7/8                                      | 5/8 & 3/4                          | 14                       | 13/16           | 3.50            | 543 |

Weights: see numerical index

♦ REGISTERED TRADE MARK

♦“SUPERIOR” TOOL POST WRENCHES  
(Carbon Steel)

For Set Screws



These Wrenches are milled and broached, surface and edges smooth, sizes stamped, hardened and black enameled (baked on)—heads bright.

| No.  | Open End<br>for<br>Set Screw;<br>Size | Closed End<br>for<br>Set Screw;<br>Size | Extreme<br>Length,<br>Approx. | Thickness<br>Heads | LIST<br>PRICE<br>Each | No.  |
|------|---------------------------------------|-----------------------------------------|-------------------------------|--------------------|-----------------------|------|
| 554  | 7/16                                  | 7/16                                    | 5 1/2                         | 1/2                | \$1.12                | 554  |
| 555  | 1/2                                   | 1/2                                     | 6                             | 9/16               | 1.24                  | 555  |
| 555B | 9/16                                  | 1/2                                     | 6                             | 9/16               | 1.24                  | 555B |
| 555C | 9/16                                  | 9/16                                    | 6                             | 9/16               | 1.24                  | 555C |
| 556  | 5/8                                   | 5/8                                     | 7                             | 5/8                | 1.44                  | 556  |
| 556B | 11/16                                 | 5/8                                     | 7                             | 5/8                | 1.44                  | 556B |
| 556C | 11/16                                 | 11/16                                   | 7                             | 5/8                | 1.44                  | 556C |
| 557  | 3/4                                   | 3/4                                     | 7 5/8                         | 11/16              | 1.64                  | 557  |

♦ "SUPERIOR" TOOL POST WRENCHES  
(Carbon Steel)

For Nuts and Set Screws



These Wrenches are milled and broached, surface and edges smooth, sizes stamped, hardened and black enameled (baked on)—heads bright.

Whitworth Standard sizes, see page 160.

| No.  | Open End<br>Nominal<br>Opening | Amer. Std.<br>HEAVY<br>Nut<br>(U.S.S.) | Amer. Std.<br>REGULAR<br>Nut<br>Size Bolt | Closed End<br>for<br>Set Screw;<br>Size | Extreme<br>Length,<br>Approx. | Thickness<br>Heads | LIST<br>PRICE<br>Each | No.  |
|------|--------------------------------|----------------------------------------|-------------------------------------------|-----------------------------------------|-------------------------------|--------------------|-----------------------|------|
| 562B | 5/8                            | .....                                  | 3/8                                       | 9/16                                    | 6 1/2                         | 1/2                | \$1.32                | 562B |
| 562  | 11/16                          | 3/8                                    | .....                                     | 9/16                                    | 6 1/2                         | 1/2                | 1.32                  | 562  |
| 563E | 13/16                          | .....                                  | 1/2                                       | 7/16                                    | 7                             | 9/16               | 1.44                  | 563E |
| 563F | 13/16                          | .....                                  | 1/2                                       | 1/2                                     | 7                             | 9/16               | 1.44                  | 563F |
| 563G | 13/16                          | .....                                  | 1/2                                       | 9/16                                    | 7                             | 9/16               | 1.44                  | 563G |
| 563H | 13/16                          | .....                                  | 1/2                                       | 5/8                                     | 7                             | 9/16               | 1.44                  | 563H |
| 563  | 7/8                            | 1/2                                    | 9/16                                      | 7/16                                    | 7                             | 9/16               | 1.44                  | 563  |
| 563B | 7/8                            | 1/2                                    | 9/16                                      | 1/2                                     | 7                             | 9/16               | 1.44                  | 563B |
| 563C | 7/8                            | 1/2                                    | 9/16                                      | 9/16                                    | 7                             | 9/16               | 1.44                  | 563C |
| 563D | 7/8                            | 1/2                                    | 9/16                                      | 5/8                                     | 7                             | 9/16               | 1.44                  | 563D |
| 564C | 1                              | .....                                  | 5/8                                       | 5/8                                     | 7 1/2                         | 5/8                | 1.64                  | 564C |
| 564  | 1 1/16                         | 5/8                                    | .....                                     | 5/8                                     | 7 1/2                         | 5/8                | 1.64                  | 564  |
| 565C | 1                              | .....                                  | 5/8                                       | 3/4                                     | 8                             | 5/8                | 1.94                  | 565C |
| 565  | 1 1/16                         | 5/8                                    | .....                                     | 3/4                                     | 8                             | 5/8                | 1.94                  | 565  |
| 566C | 1 1/8                          | .....                                  | 3/4                                       | 3/4                                     | 9 1/4                         | 3/4                | 2.40                  | 566C |
| 566D | 1 1/8                          | .....                                  | 3/4                                       | 7/8                                     | 9 1/4                         | 3/4                | 2.40                  | 566D |
| 566  | 1 1/4                          | 3/4                                    | .....                                     | 3/4                                     | 9 1/4                         | 3/4                | 2.40                  | 566  |
| 566B | 1 1/4                          | 3/4                                    | .....                                     | 7/8                                     | 9 1/4                         | 3/4                | 2.40                  | 566B |
| 567D | 1 1/8                          | .....                                  | 3/4                                       | 1                                       | 10                            | 7/8                | 3.20                  | 567D |
| 567  | 1 1/4                          | 3/4                                    | .....                                     | 1                                       | 10                            | 7/8                | 3.20                  | 567  |
| 567E | 1 5/16                         | .....                                  | 7/8                                       | 7/8                                     | 10                            | 7/8                | 3.20                  | 567E |
| 567F | 1 5/16                         | .....                                  | 7/8                                       | 1                                       | 10                            | 7/8                | 3.20                  | 567F |
| 567B | 1 7/16                         | 7/8                                    | .....                                     | 7/8                                     | 10                            | 7/8                | 3.20                  | 567B |
| 567C | 1 7/16                         | 7/8                                    | .....                                     | 1                                       | 10                            | 7/8                | 3.20                  | 567C |
| 568E | 1 1/2                          | .....                                  | 1                                         | 7/8                                     | 11                            | 15/16              | 4.40                  | 568E |
| 568F | 1 1/2                          | .....                                  | 1                                         | 1                                       | 11                            | 15/16              | 4.40                  | 568F |
| 568  | 1 5/8                          | 1                                      | .....                                     | 7/8                                     | 11                            | 15/16              | 4.40                  | 568  |
| 568B | 1 5/8                          | 1                                      | .....                                     | 1                                       | 11                            | 15/16              | 4.40                  | 568B |
| 568G | 1 11/16                        | .....                                  | 1 1/8                                     | 1                                       | 11                            | 15/16              | 4.40                  | 568G |
| 568H | 1 7/8                          | .....                                  | 1 1/4                                     | 1                                       | 11                            | 15/16              | 4.40                  | 568H |
| 568C | 1 13/16                        | 1 1/8                                  | .....                                     | 1                                       | 11                            | 15/16              | 4.40                  | 568C |
| 568D | 2                              | 1 1/4                                  | .....                                     | 1                                       | 11                            | 15/16              | 4.40                  | 568D |

♦ REGISTERED TRADE MARK

Weights: see numerical index.

WILLIAMS' + "SUPERIOR" CONSTRUCTION WRENCHES  
(Carbon Steel)

15° Angle

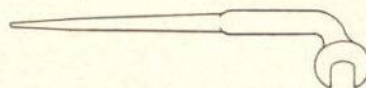


These Wrenches with deep opening provide substantial bearing on square nuts. The long handle is round for the greater part of its length, with tapered end for easy insertion into bolt holes when bringing them into line.

Milled, hardened all over and shot-blasted; heads not bright.

Whitworth Standard sizes, see page 160.

Handle can be bent above head at angles of 45° to 90° from opening, at an additional charge; see illustration at right.



| No.  | Nominal Opening | For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | For Amer. Std. REGULAR Nut Size Bolt | Extreme Length, Approx. | Thickness Head | LIST PRICE Each | No.  |
|------|-----------------|----------------------------------------------|--------------------------------------|-------------------------|----------------|-----------------|------|
| 201A | 7/16            | .....                                        | 1/4                                  | 9 1/2                   | 3/8            | \$ .75          | 201A |
| 201  | 1/2             | 1/4                                          | .....                                | 9 1/2                   | 3/8            | .75             | 201  |
| 201B | 9/16            | .....                                        | 5/16                                 | 9 1/2                   | 3/8            | .75             | 201B |
| 202  | 19/32           | 5/16                                         | .....                                | 9 1/2                   | 3/8            | .75             | 202  |
| 203A | 5/8             | .....                                        | 3/8                                  | 12                      | 7/16           | .95             | 203A |
| 203  | 11/16           | 3/8                                          | .....                                | 12                      | 7/16           | .95             | 203  |
| 204A | 3/4             | .....                                        | 7/16                                 | 12                      | 7/16           | .95             | 204A |
| 204  | 25/32           | 7/16                                         | .....                                | 12                      | 7/16           | .95             | 204  |
| 205A | 13/16           | .....                                        | 1/2                                  | 14 1/2                  | 17/32          | 1.20            | 205A |
| 205  | 7/8             | 1/2                                          | 9/16                                 | 14 1/2                  | 17/32          | 1.20            | 205  |
| 206  | 15/16           | 9/16                                         | .....                                | 14 1/2                  | 17/32          | 1.20            | 206  |
| 206B | 1               | .....                                        | 5/8                                  | 14 1/2                  | 17/32          | 1.20            | 206B |
| 207  | 1 1/16          | 5/8                                          | .....                                | 17                      | 5/8            | 1.55            | 207  |
| 207A | 1 1/8           | .....                                        | 3/4                                  | 17                      | 5/8            | 1.55            | 207A |
| 208  | 1 1/4           | 3/4                                          | .....                                | 19                      | 11/16          | 2.05            | 208  |
| 208A | 1 5/16          | .....                                        | 7/8                                  | 19                      | 11/16          | 2.05            | 208A |
| 209  | 1 7/16          | 7/8                                          | .....                                | 21                      | 3/4            | 2.70            | 209  |
| 209A | 1 1/2           | .....                                        | 1                                    | 21                      | 3/4            | 2.70            | 209A |
| 210  | 1 5/8           | 1                                            | .....                                | 23                      | 27/32          | 3.60            | 210  |
| 210A | 1 11/16         | .....                                        | 1 1/8                                | 23                      | 27/32          | 3.60            | 210A |
| 211  | 1 13/16         | 1 1/8                                        | .....                                | 25                      | 15/16          | 5.30            | 211  |
| 211A | 1 7/8           | .....                                        | 1 1/4                                | 25                      | 15/16          | 5.30            | 211A |
| 212  | 2               | 1 1/4                                        | .....                                | 25                      | 15/16          | 5.30            | 212  |

Weights: see numerical index.

♦ REGISTERED TRADE MARK

(Alloy Steel Wrenches, page 32)

3-49

WILLIAMS' + "SUPERIOR" STRUCTURAL WRENCHES  
(Carbon Steel)

Straight Opening



The jaws of these Wrenches are narrow and long, providing substantially full bearing on square nuts. The long handle is round for the greater part of its length, with tapered end for easy insertion into bolt holes when bringing them into line.

The abrupt offset and angle of handle provide for clearance of obstructions, even when these are close to the head, and safety to the operator's hands. The wrench is particularly well balanced. When thrust into slit of scabbard or belt-loop the "step-up" of the round above the flat part of handle acts as a stop. It retains the wrench, yet allows its ready release.

For explanation of finish, see previous page. Whitworth Standard sizes, see page 160.

| No.  | Nominal Opening | Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | Amer. Std. REGLR. Nut; Size Bolt | Extreme Length, Approx. | Thick-ness Head | Handle Offset |         | LIST PRICE Each | No.  |
|------|-----------------|------------------------------------------|----------------------------------|-------------------------|-----------------|---------------|---------|-----------------|------|
|      |                 |                                          |                                  |                         |                 | At Head       | At End  |                 |      |
| 901A | 7/16            | .....                                    | 1/4                              | 9 1/2                   | 11/32           | 13/16         | 1 1/2   | \$ .80          | 901A |
| 901  | 1/2             | 1/4                                      | .....                            | 9 1/2                   | 11/32           | 13/16         | 1 1/2   | .80             | 901  |
| 901B | 9/16            | .....                                    | 5/16                             | 9 1/2                   | 11/32           | 13/16         | 1 1/2   | .80             | 901B |
| 902  | 19/32           | 5/16                                     | .....                            | 9 1/2                   | 11/32           | 13/16         | 1 1/2   | .80             | 902  |
| 903A | 5/8             | .....                                    | 3/8                              | 12                      | 7/16            | 7/8           | 1 11/16 | 1.05            | 903A |
| 903  | 11/16           | 3/8                                      | .....                            | 12                      | 7/16            | 7/8           | 1 11/16 | 1.05            | 903  |
| 904A | 3/4             | .....                                    | 7/16                             | 12                      | 7/16            | 7/8           | 1 11/16 | 1.05            | 904A |
| 904  | 25/32           | 7/16                                     | .....                            | 12                      | 7/16            | 7/8           | 1 11/16 | 1.05            | 904  |
| 905A | 13/16           | .....                                    | 1/2                              | 14 1/2                  | 17/32           | 1             | 1 7/8   | 1.40            | 905A |
| 905  | 7/8             | 1/2                                      | 9/16                             | 14 1/2                  | 17/32           | 1             | 1 7/8   | 1.40            | 905  |
| 906  | 15/16           | 9/16                                     | .....                            | 14 1/2                  | 17/32           | 1             | 1 7/8   | 1.40            | 906  |
| 906B | 1               | .....                                    | 5/8                              | 14 1/2                  | 17/32           | 1             | 1 7/8   | 1.40            | 906B |
| 907  | 1 1/16          | 5/8                                      | .....                            | 17                      | 5/8             | 1 1/8         | 2 3/8   | 1.85            | 907  |
| 907A | 1 1/8           | .....                                    | 3/4                              | 17                      | 5/8             | 1 1/8         | 2 3/8   | 1.85            | 907A |
| 908  | 1 1/4           | 3/4                                      | .....                            | 19                      | 11/16           | 1 1/4         | 2 3/4   | 2.35            | 908  |
| 908A | 1 5/16          | .....                                    | 7/8                              | 19                      | 11/16           | 1 1/4         | 2 3/4   | 2.35            | 908A |
| 909  | 1 7/16          | 7/8                                      | .....                            | 21                      | 3/4             | 1 3/8         | 3 1/16  | 3.00            | 909  |
| 909A | 1 1/2           | .....                                    | 1                                | 21                      | 3/4             | 1 3/8         | 3 1/16  | 3.00            | 909A |
| 910  | 1 5/8           | 1                                        | .....                            | 23                      | 13/16           | 1 1/2         | 3 3/8   | 4.10            | 910  |
| 910A | 1 11/16         | .....                                    | 1 1/8                            | 23                      | 13/16           | 1 1/2         | 3 3/8   | 4.10            | 910A |
| 911  | 1 13/16         | 1 1/8                                    | .....                            | 25                      | 7/8             | 1 5/8         | 3 11/16 | 6.15            | 911  |
| 911A | 1 7/8           | .....                                    | 1 1/4                            | 25                      | 7/8             | 1 5/8         | 3 11/16 | 6.15            | 911A |
| 912  | 2               | 1 1/4                                    | .....                            | 25                      | 7/8             | 1 5/8         | 3 11/16 | 6.15            | 912  |

✦ REGISTERED TRADE MARK

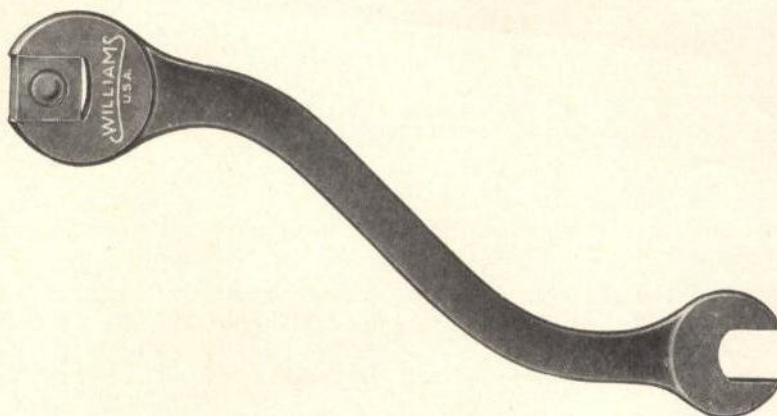
(Alloy Steel Wrenches, page 33)

Weights: see numerical index.

WILLIAMS' ♦ "SUPERIOR" HEAVY "S" OR CAR WRENCHES  
(Carbon Steel)

22 1/2° Angle, Double Head

Long Leverage



These Wrenches are milled, hardened all over, shot-blasted; heads not bright.

| No.   | Nominal Openings | Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts | Amer. Std. REGULAR Nuts; Size Bolts | Ex-treme Length, Approx. | LIST PRICE Each | No.   |
|-------|------------------|--------------------------------------------|-------------------------------------|--------------------------|-----------------|-------|
| 367A  | 5/8 & 13/16      | .....                                      | 3/8 & 1/2                           | 12                       | \$1.50          | 367A  |
| 367   | 11/16 & 7/8      | 3/8 & 1/2                                  | 9/16                                | 12                       | 1.50            | 367   |
| 370C  | 13/16 & 7/8      | 1/2                                        | 1/2 & 9/16                          | 19                       | 2.50            | 370C  |
| 370A  | 13/16 & 1        | .....                                      | 1/2 & 5/8                           | 19                       | 2.50            | 370A  |
| 370   | 7/8 & 1 1/16     | 1/2 & 5/8                                  | 9/16                                | 19                       | 2.50            | 370   |
| 370B  | 1 & 1 1/8        | .....                                      | 5/8 & 3/4                           | 19                       | 2.50            | 370B  |
| *372A | 1 1/16 & 1 1/4   | 5/8 & 3/4                                  | .....                               | 20                       | 3.10            | *372A |
| 373   | 1 1/8 & 1 5/16   | .....                                      | 3/4 & 7/8                           | 20                       | 3.10            | 373   |
| 376A  | 1 1/4 & 1 7/16   | 3/4 & 7/8                                  | .....                               | 21                       | 3.70            | 376A  |
| 376   | 1 5/16 & 1 1/2   | .....                                      | 7/8 & 1                             | 21                       | 3.70            | 376   |
| †378A | 1 7/16 & 1 5/8   | 7/8 & 1                                    | .....                               | 22                       | 4.50            | †378A |
| 379   | 1 1/2 & 1 11/16  | .....                                      | 1 & 1 1/8                           | 22                       | 4.50            | 379   |
| 382A  | 1 5/8 & 1 13/16  | 1 & 1 1/8                                  | .....                               | 23                       | 5.30            | 382A  |
| 382   | 1 11/16 & 1 7/8  | .....                                      | 1 1/8 & 1 1/4                       | 23                       | 5.30            | 382   |
| 383B  | 1 7/8 & 2 1/4    | .....                                      | 1 1/4 & 1 1/2                       | 24                       | 6.30            | 383B  |
| 385   | 1 13/16 & 2      | 1 1/8 & 1 1/4                              | .....                               | 24                       | 6.30            | 385   |
| 389   | 2 & 2 3/8        | 1 1/4 & 1 1/2                              | .....                               | 25                       | 9.00            | 389   |
| 389B  | 2 3/16 & 2 3/8   | 1 3/8 & 1 1/2                              | .....                               | 25                       | 9.00            | 389B  |

\*No. 372A supersedes Old No. 373 previously listed for 5/8 & 3/4" U. S. Nuts.

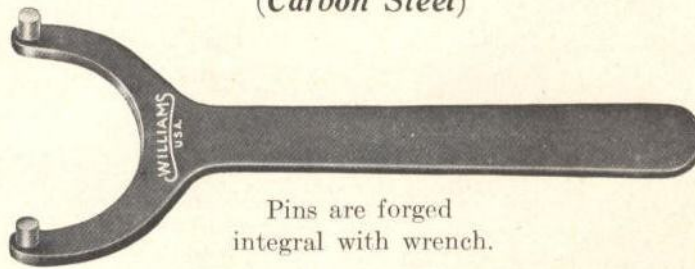
†No. 378A supersedes Old No. 379 previously listed for 7/8 & 1" U. S. Nuts.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

3-49

WILLIAMS' ♦ "SUPERIOR" FACE SPANNERS  
(Carbon Steel)

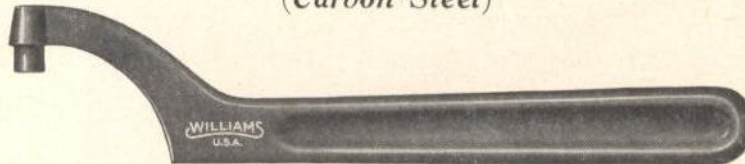


Pins are forged  
integral with wrench.

These wrenches have surfaces smoothed, pins milled, hardened all over and black enameled.

| No. | Pins               |                    |        | Span<br>of Jaws<br>in<br>Clear | Length<br>from<br>C. of<br>Pins | Thick-<br>ness | LIST<br>PRICE<br>Each | No. |
|-----|--------------------|--------------------|--------|--------------------------------|---------------------------------|----------------|-----------------------|-----|
|     | Distance<br>C to C | Diameter<br>Milled | Length |                                |                                 |                |                       |     |
| 418 | 1                  | 3/16               | 3/16   | 11/16                          | 4 1/2                           | 3/16           | \$ .60                | 418 |
| 420 | 1 1/4              | 7/32               | 7/32   | 7/8                            | 5                               | 3/16           | .66                   | 420 |
| 422 | 1 1/2              | 7/32               | 7/32   | 1 1/8                          | 5 1/2                           | 3/16           | .74                   | 422 |
| 424 | 1 3/4              | 7/32               | 7/32   | 1 3/8                          | 6                               | 7/32           | .84                   | 424 |
| 426 | 2                  | 1/4                | 1/4    | 1 19/32                        | 6 1/2                           | 7/32           | .96                   | 426 |
| 428 | 2 1/4              | 1/4                | 1/4    | 1 27/32                        | 7                               | 7/32           | 1.10                  | 428 |
| 430 | 2 1/2              | 9/32               | 9/32   | 2 1/32                         | 7 1/2                           | 1/4            | 1.28                  | 430 |
| 432 | 2 3/4              | 9/32               | 9/32   | 2 9/32                         | 8                               | 1/4            | 1.48                  | 432 |
| 434 | 3                  | 5/16               | 5/16   | 2 1/2                          | 8 1/2                           | 1/4            | 1.70                  | 434 |
| 436 | 3 1/4              | 5/16               | 5/16   | 2 3/4                          | 9 1/8                           | 1/4            | 1.94                  | 436 |
| 438 | 3 1/2              | 5/16               | 5/16   | 3                              | 9 3/4                           | 1/4            | 2.20                  | 438 |
| 440 | 3 3/4              | 3/8                | 3/8    | 3 3/16                         | 10 3/8                          | 1/4            | 2.50                  | 440 |
| 442 | 4                  | 3/8                | 3/8    | 3 7/16                         | 11                              | 1/4            | 2.90                  | 442 |

♦ "SUPERIOR" PIN SPANNERS  
(Carbon Steel)



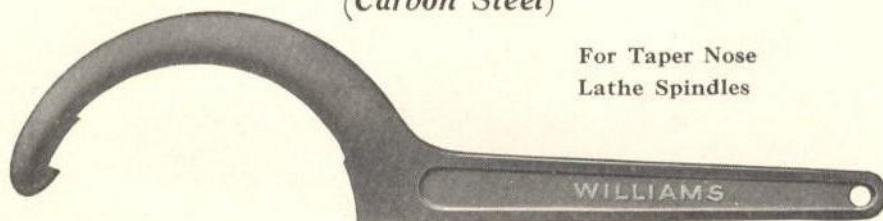
Pins are forged integral with wrench. For conditions of finish, see above.

| Number | For Circle;<br>Diameter | Extreme<br>Length,<br>Approx. | Finished<br>Diameter<br>Pin | LIST PRICE<br>Each | Number |
|--------|-------------------------|-------------------------------|-----------------------------|--------------------|--------|
| 452    | 1                       | 4                             | 3/16                        | \$ .54             | 452    |
| 453    | 1 1/4                   | 4 1/2                         | 13/64                       | .58                | 453    |
| 454    | 1 1/2                   | 5                             | 7/32                        | .60                | 454    |
| 455    | 1 3/4                   | 5 1/2                         | 15/64                       | .62                | 455    |
| 456    | 2                       | 6                             | 1/4                         | .66                | 456    |
| 457    | 2 1/4                   | 6 1/2                         | 17/64                       | .70                | 457    |
| 458    | 2 1/2                   | 7                             | 9/32                        | .72                | 458    |
| 459    | 2 3/4                   | 7 1/2                         | 19/64                       | .78                | 459    |
| 460    | 3                       | 8                             | 5/16                        | .84                | 460    |
| 461    | 3 1/4                   | 8 1/2                         | 21/64                       | .90                | 461    |
| 462    | 3 1/2                   | 9                             | 11/32                       | .96                | 462    |
| 463    | 3 3/4                   | 9 1/2                         | 23/64                       | 1.02               | 463    |
| 464    | 4                       | 10                            | 3/8                         | 1.08               | 464    |
| 466    | 5                       | 12                            | 7/16                        | 1.44               | 466    |
| 468    | 6                       | 14                            | 1/2                         | 1.96               | 468    |

Weights: see numerical index.

♦ REGISTERED TRADE MARK

## WILLIAMS' "SUPERIOR" HOOK SPANNERS (Carbon Steel)



For Taper Nose  
Lathe Spindles

Made especially to service Face Plate Draw Nuts used on taper-nose spindles for new design lathes. Very efficient, also, for general work.

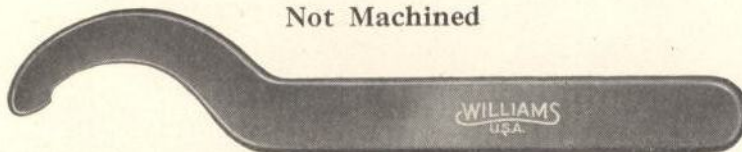
Supplied with bearing pads and hook machined; hardened, black enameled (baked).

| No. | For Circle;<br>Diameter | Extreme<br>Length | Thickness,<br>Hook End | LIST<br>Each |
|-----|-------------------------|-------------------|------------------------|--------------|
| 414 | * 7 3/8                 | 20                | 5/8                    | \$5.50       |
| 415 | * 9 1/4                 | 23 1/4            | 11/16                  | 8.00         |
| 416 | *12 1/2                 | 30 3/4            | 3/4                    | 14.00        |

\*Can be furnished to order for circle 1/8" larger.

## FLAT HOOK SPANNERS (Carbon Steel)

Not Machined

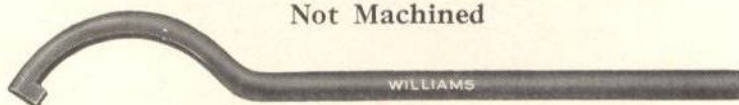


The diameter of circle which the unfinished forgings fit is given in second column of table, but wrenches will finish to sizes stated in third column.

| No. | Forgings<br>for Circle;<br>Diameter | Forgings will finish<br>for Circles;<br>Diameter | Extreme<br>Length,<br>Approx. | Thickness | LIST<br>PRICE<br>Each | No. |
|-----|-------------------------------------|--------------------------------------------------|-------------------------------|-----------|-----------------------|-----|
| 403 | 1 1/4                               | 1 to 1 1/4                                       | 4 3/4                         | 7/32      | \$ .40                | 403 |
| 404 | 1 1/2                               | 1 3/8 to 1 5/8                                   | 6                             | 1/4       | .46                   | 404 |
| 405 | 2                                   | 1 3/4 to 2                                       | 7 1/8                         | 1/4       | .52                   | 405 |
| 406 | 2 1/4                               | 2 1/8 to 2 3/8                                   | 8 7/16                        | 1/4       | .60                   | 406 |
| 407 | 2 5/8                               | 2 1/2 to 2 3/4                                   | 9 3/4                         | 1/4       | .68                   | 407 |
| 408 | 3 1/8                               | 2 7/8 to 3 1/4                                   | 11                            | 5/16      | .80                   | 408 |
| 409 | 3 3/4                               | 3 3/8 to 3 7/8                                   | 12                            | 5/16      | .96                   | 409 |
| 410 | 4 3/8                               | 4 to 4 1/2                                       | 13                            | 5/16      | 1.16                  | 410 |
| 412 | 5 3/4                               | 5 1/4 to 5 3/4                                   | 15                            | 7/16      | 1.70                  | 412 |

## LIGHT HOOK SPANNERS (Carbon Steel)

Not Machined



| No. | For<br>Circle;<br>Diameter | Extreme<br>†Length,<br>Approx. | Hook   |       |           | Diameter<br>Handle | LIST<br>PRICE<br>Each | No. |
|-----|----------------------------|--------------------------------|--------|-------|-----------|--------------------|-----------------------|-----|
|     |                            |                                | Length | Width | Thickness |                    |                       |     |
| 491 | 1 3/16                     | 6 1/2                          | 1/16   | 3/8   | 7/32      | 3/8                | \$ .30                | 491 |
| 493 | 1 3/4                      | 7 1/2                          | 1/8    | 3/8   | 7/32      | 3/8                | .34                   | 493 |
| 494 | 2 1/8                      | 8                              | 1/8    | 3/8   | 7/32      | 3/8                | .36                   | 494 |
| 495 | 2 1/2                      | 8 1/4                          | 1/8    | 3/8   | 7/32      | 3/8                | .40                   | 495 |
| 496 | 2 3/4                      | 8 1/2                          | 1/8    | 3/8   | 7/32      | 3/8                | .44                   | 496 |
| 497 | 3                          | 8 3/4                          | 1/8    | 3/8   | 7/32      | 3/8                | .48                   | 497 |
| 498 | 3 1/2                      | 9                              | 1/8    | 3/8   | 7/32      | 3/8                | .52                   | 498 |

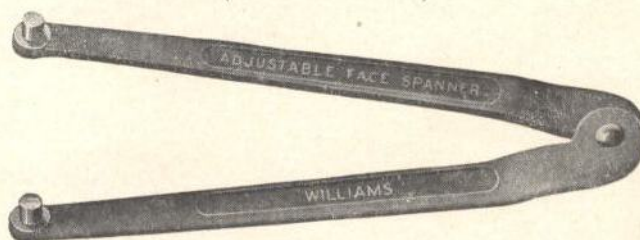
† Length of handle can be varied if desired.

★ REGISTERED TRADE MARK

Weights: see numerical index.

3-49

**WILLIAMS' ♦"SUPERIOR" ADJUSTABLE FACE SPANNERS**  
(Carbon Steel)



Drop-forged from a strong, tough grade of carefully selected steel, this is a desirable and dependable tool for service where Center to Center dimensions vary.

These Wrenches have pins milled, surfaces smooth, hardened, black enameled (baked on).

| No. | Extreme Capacity | Extreme Length, Approx. | Diameter of Pins | LIST PRICE Each | No. |
|-----|------------------|-------------------------|------------------|-----------------|-----|
| 482 | 2                | 6 3/8                   | 3/16             | \$1.50          | 482 |
| 483 | 3                | 8 1/4                   | 1/4              | 2.20            | 483 |
| 484 | 4                | 10 3/8                  | 5/16             | 3.20            | 484 |

**♦"SUPERIOR" ADJUSTABLE HOOK SPANNERS**  
(Carbon Steel)



These Spanners offer an unusual combination of strength and ready adjustment; each tool provides for a wide range of sizes—see table. Drop-forged from a strong, tough grade of carefully selected steel, surfaces smoothed, black enameled (baked on); jaw hardened and tempered.

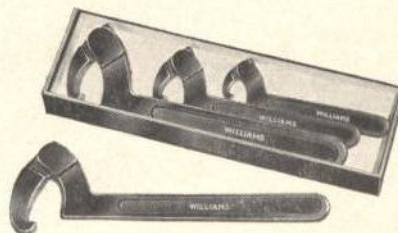
Sold individually, or in Set No. 401 which is especially serviceable on spindle bearings of lathes, milling machines and grinding machines. Also, for adjusting collars and slotted rings used on many types of automatic machines.

**SET No. 401**

**LIST PRICE**

**In Cardboard Box, \$9.45**

1 Each, Nos. 471, 472, 474 and 474A



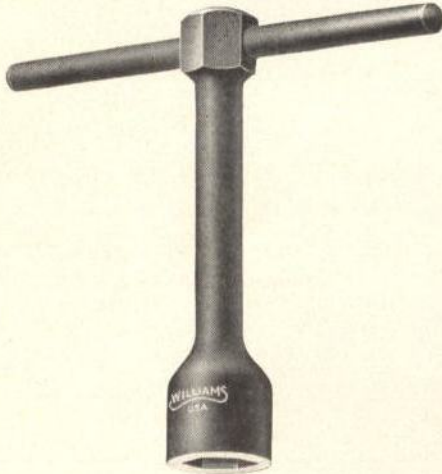
| No.  | Capacity for Circles, Diameter | Extreme Length, Approx. | Thickness |       | Depth Hook | LIST PRICE Each | No.  |
|------|--------------------------------|-------------------------|-----------|-------|------------|-----------------|------|
|      |                                |                         | Handle    | Hook  |            |                 |      |
| 471  | 3/4 to 2                       | 6 3/8                   | 1/4       | 11/32 | 1/8        | \$1.75          | 471  |
| 472  | 1 1/4 to 3                     | 8 1/8                   | 9/32      | 13/32 | 5/32       | 2.00            | 472  |
| 474  | 2 to 4 3/4                     | 11 3/8                  | 5/16      | 15/32 | 3/16       | 2.75            | 474  |
| 474A | 4 1/2 to 6 1/4                 | 12 1/8                  | 5/16      | 15/32 | 1/4        | 2.95            | 474A |

Alloy Steel Adjustable Hook Spanners, page 48.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

**WILLIAMS' "SUPERIOR" SOCKET WRENCHES**  
(Carbon Steel)



**STRAIGHT PATTERN**

These wrenches are broached, surface smooth, hardened and black enameled (baked on); face bright.

Whitworth Standard sizes, see page 160.

Special broaching to order in reasonable quantities.

(Continued on following page)

| No.  | HEXAGON OPENINGS                      |                                                         |                                                  |                                                         |                                               | Diam.<br>of<br>Head | Extreme<br>Length,<br>Approx. | LIST<br>PRICE<br>Each | No.  |
|------|---------------------------------------|---------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|---------------------|-------------------------------|-----------------------|------|
|      | Nominal<br>Opening<br>Across<br>Flats | Amer.<br>Std.<br>HEAVY<br>Nut<br>(U.S.S.);<br>Size Bolt | Amer.<br>Std.<br>Cap<br>Screw;<br>Diam.<br>Screw | Amer.<br>Std.<br>LIGHT<br>Nut<br>(S.A.E.);<br>Size Bolt | Amer.<br>Std.<br>REGULAR<br>Nut;<br>Size Bolt |                     |                               |                       |      |
| 961A | 5/16                                  | 1/8                                                     |                                                  |                                                         |                                               | 1/2                 | 4 1/4                         | \$ .80                | 961A |
| 962D | 3/8                                   |                                                         | 3/16                                             |                                                         |                                               | 5/8                 | 4 1/2                         | .88                   | 962D |
| 963A | 13/32                                 | 3/16                                                    |                                                  |                                                         |                                               | 11/16               | 4 7/8                         | .98                   | 963A |
| 963D | 7/16                                  |                                                         | 1/4                                              | 1/4                                                     | 1/4                                           | 11/16               | 4 7/8                         | .98                   | 963D |
| 964A | 1/2                                   | 1/4                                                     | 5/16                                             | 5/16                                                    |                                               | 3/4                 | 5 1/4                         | 1.04                  | 964A |
| 965D | 9/16                                  |                                                         | 3/8                                              | 3/8                                                     | 5/16                                          | 7/8                 | 5 3/4                         | 1.16                  | 965D |
| 965A | 19/32                                 | 5/16                                                    |                                                  |                                                         |                                               | 7/8                 | 5 3/4                         | 1.16                  | 965A |
| 966D | 5/8                                   |                                                         | 7/16                                             | 7/16                                                    | 3/8                                           | 1                   | 6 1/8                         | 1.26                  | 966D |
| 967A | 11/16                                 | 3/8                                                     |                                                  |                                                         |                                               | 1 1/8               | 6 1/2                         | 1.42                  | 967A |
| 967D | 3/4                                   |                                                         | 1/2                                              | 1/2                                                     | 7/16                                          | 1 1/8               | 6 1/2                         | 1.42                  | 967D |
| 968A | 25/32                                 | 7/16                                                    |                                                  |                                                         |                                               | 1 1/4               | 7                             | 1.54                  | 968A |
| 968D | 13/16                                 |                                                         | 9/16                                             |                                                         | 1/2                                           | 1 1/4               | 7                             | 1.54                  | 968D |
| 969A | 7/8                                   | 1/2                                                     | 5/8                                              | 9/16                                                    | 9/16                                          | 1 3/8               | 7 3/8                         | 1.74                  | 969A |
| 970S | 15/16                                 | 9/16                                                    |                                                  | 5/8                                                     |                                               | 1 1/2               | 7 7/8                         | 1.96                  | 970S |
| 970D | 1                                     |                                                         | 3/4                                              |                                                         | 5/8                                           | 1 1/2               | 7 7/8                         | 1.96                  | 970D |
| 971A | 1 1/16                                | 5/8                                                     |                                                  | 3/4                                                     |                                               | 1 5/8               | 8 1/4                         | 2.20                  | 971A |
| 971D | 1 1/8                                 |                                                         | 7/8                                              |                                                         | 3/4                                           | 1 5/8               | 8 1/4                         | 2.20                  | 971D |
| 973A | 1 1/4                                 | 3/4                                                     |                                                  | 7/8                                                     |                                               | 1 7/8               | 9 1/8                         | 3.00                  | 973A |
| 973B | 1 5/16                                |                                                         | 1                                                |                                                         | 7/8                                           | 1 7/8               | 9 1/8                         | 3.00                  | 973B |
| 975A | 1 7/16                                | 7/8                                                     |                                                  | 1                                                       |                                               | 2 1/8               | 10                            | 3.70                  | 975A |
| 975D | 1 1/2                                 |                                                         | 1 1/8                                            |                                                         | 1                                             | 2 1/8               | 10                            | 3.70                  | 975D |
| 976A | 1 5/8                                 | 1                                                       |                                                  | 1 1/8                                                   |                                               | 2 3/8               | 10 3/8                        | 4.24                  | 976A |
| 976B | 1 11/16                               |                                                         | 1 1/4                                            |                                                         | 1 1/8                                         | 2 3/8               | 10 3/8                        | 4.24                  | 976B |
| 977A | 1 13/16                               | 1 1/8                                                   |                                                  | 1 1/4                                                   |                                               | 2 5/8               | 10 7/8                        | 4.80                  | 977A |
| 978A | 2                                     | 1 1/4                                                   |                                                  | 1 3/8                                                   |                                               | 2 7/8               | 11 3/8                        | 5.70                  | 978A |

WILLIAMS' ♦"SUPERIOR" SOCKET WRENCHES  
(Carbon Steel)

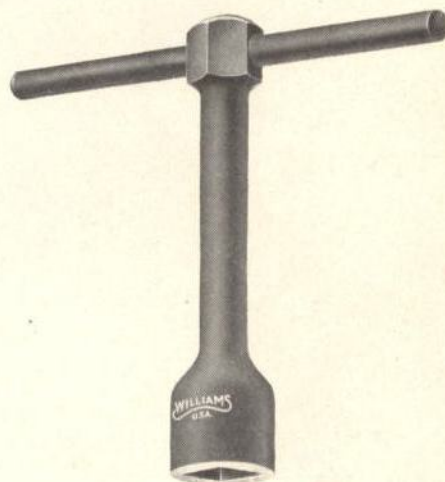
STRAIGHT PATTERN

(Continued from previous page)

Hexagon end of shank is designed for use in combination with another wrench or with Pin-Handle.

Wrenches of shorter or longer lengths than stated in table can be furnished to order in quantities.

Pin-Handles can be removed.



| No.  | SQUARE OPENINGS |                                          |                            |                     |                                   | Diam. of Head | Extreme Length, Approx. | LIST PRICE Each | No.  |
|------|-----------------|------------------------------------------|----------------------------|---------------------|-----------------------------------|---------------|-------------------------|-----------------|------|
|      | Nominal Opening | Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | For Cap Screw; Diam. Screw | For Set Screw; Size | Amer. Std. REGULAR Nut; Size Bolt |               |                         |                 |      |
| 961H | 3/16            | .....                                    | .....                      | 3/16                | .....                             | 1/2           | 4 1/4                   | \$ .80          | 961H |
| 961J | 1/4             | .....                                    | .....                      | 1/4                 | .....                             | 1/2           | 4 1/4                   | .80             | 961J |
| 962H | 5/16            | .....                                    | .....                      | 5/16                | .....                             | 5/8           | 4 1/2                   | .88             | 962H |
| 963H | 3/8             | .....                                    | 1/4                        | 3/8                 | .....                             | 11/16         | 4 7/8                   | .98             | 963H |
| 965H | 7/16            | .....                                    | 5/16                       | 7/16                | 1/4                               | 7/8           | 5 3/4                   | 1.16            | 965H |
| 966H | 1/2             | 1/4                                      | 3/8                        | 1/2                 | .....                             | 1             | 6 1/8                   | 1.26            | 966H |
| 967H | 9/16            | .....                                    | 7/16                       | 9/16                | 5/16                              | 1 1/8         | 6 1/2                   | 1.42            | 967H |
| 968H | 5/8             | .....                                    | 1/2                        | 5/8                 | 3/8                               | 1 1/4         | 7                       | 1.54            | 968H |
| 968P | 11/16           | 3/8                                      | 9/16                       | .....               | .....                             | 1 1/4         | 7                       | 1.54            | 968P |
| 969H | 3/4             | .....                                    | 5/8                        | 3/4                 | 7/16                              | 1 3/8         | 7 3/8                   | 1.74            | 969H |
| 971H | 7/8             | 1/2                                      | 3/4                        | 7/8                 | 9/16                              | 1 5/8         | 8 1/4                   | 2.20            | 971H |
| 973H | 1               | .....                                    | .....                      | 1                   | 5/8                               | 1 7/8         | 9 1/8                   | 3.00            | 973H |
| 974H | 1 1/8           | .....                                    | 7/8                        | 1 1/8               | 3/4                               | 2             | 9 1/2                   | 3.40            | 974H |
| 976H | 1 1/4           | 3/4                                      | 1                          | 1 1/4               | .....                             | 2 3/8         | 10 3/8                  | 4.24            | 976H |
| 977X | 1 7/16          | 7/8                                      | .....                      | .....               | .....                             | 2 5/8         | 10 7/8                  | 4.80            | 977X |
| 977P | 1 1/2           | .....                                    | 1 1/4                      | 1 1/2               | 1                                 | 2 5/8         | 10 7/8                  | 4.80            | 977P |

♦ REGISTERED TRADE MARK

Weights: see numerical index

WILLIAMS' "SUPERIOR" OFFSET SOCKET WRENCHES  
(Carbon Steel)



These wrenches are broached, surface smooth, hardened and black enameled, face bright. Whitworth Standard sizes, see page 160.

(Continued on following page)

| No.  | HEXAGON OPENINGS             |                                          |                                   |                                          |                                   | Diam. of Head | Extreme Length, Approx. | Handle Offset in Clear from Face of Wrench | LIST PRICE Each | No.  |
|------|------------------------------|------------------------------------------|-----------------------------------|------------------------------------------|-----------------------------------|---------------|-------------------------|--------------------------------------------|-----------------|------|
|      | Nominal Opening Across Flats | Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | Amer. Std. Cap Screw; Diam. Screw | Amer. Std. LIGHT Nut (S.A.E.); Size Bolt | Amer. Std. REGULAR Nut; Size Bolt |               |                         |                                            |                 |      |
| 261A | 5/16                         | 1/8                                      |                                   |                                          |                                   | 1/2           | 3 3/8                   | 13/16                                      | \$ .60          | 261A |
| 262D | 3/8                          |                                          | 3/16                              |                                          |                                   | 5/8           | 3 7/8                   | 1                                          | .66             | 262D |
| 263A | 13/32                        | 3/16                                     |                                   |                                          |                                   | 11/16         | 4 5/16                  | 1 1/16                                     | .72             | 263A |
| 263D | 7/16                         |                                          | 1/4                               | 1/4                                      | 1/4                               | 11/16         | 4 5/16                  | 1 1/16                                     | .72             | 263D |
| 264A | 1/2                          | 1/4                                      | 5/16                              | 5/16                                     |                                   | 3/4           | 5 1/8                   | 1 1/4                                      | .78             | 264A |
| 265D | 9/16                         |                                          | 3/8                               | 3/8                                      | 5/16                              | 7/8           | 5 7/8                   | 1 7/16                                     | .88             | 265D |
| 265A | 19/32                        | 5/16                                     |                                   |                                          |                                   | 7/8           | 5 7/8                   | 1 7/16                                     | .88             | 265A |
| 266D | 5/8                          |                                          | 7/16                              | 7/16                                     | 3/8                               | 1             | 6 1/4                   | 1 9/16                                     | .96             | 266D |
| 267A | 11/16                        | 3/8                                      |                                   |                                          |                                   | 1 1/8         | 6 3/4                   | 1 5/8                                      | 1.08            | 267A |
| 267D | 3/4                          |                                          | 1/2                               | 1/2                                      | 7/16                              | 1 1/8         | 6 3/4                   | 1 5/8                                      | 1.08            | 267D |
| 268A | 25/32                        | 7/16                                     |                                   |                                          |                                   | 1 1/4         | 7 1/2                   | 1 13/16                                    | 1.20            | 268A |
| 268D | 13/16                        |                                          | 9/16                              |                                          | 1/2                               | 1 1/4         | 7 1/2                   | 1 13/16                                    | 1.20            | 268D |
| 269A | 7/8                          | 1/2                                      | 5/8                               | 9/16                                     | 9/16                              | 1 3/8         | 8 3/8                   | 2                                          | 1.38            | 269A |
| 270S | 15/16                        | 9/16                                     |                                   | 5/8                                      |                                   | 1 1/2         | 9 1/8                   | 2 3/16                                     | 1.56            | 270S |
| 270D | 1                            |                                          | 3/4                               |                                          | 5/8                               | 1 1/2         | 9 1/8                   | 2 3/16                                     | 1.56            | 270D |
| 271A | 1 1/16                       | 5/8                                      |                                   | 3/4                                      |                                   | 1 5/8         | 10                      | 2 3/8                                      | 1.80            | 271A |
| 271D | 1 1/8                        |                                          | 7/8                               |                                          | 3/4                               | 1 5/8         | 10                      | 2 3/8                                      | 1.80            | 271D |
| 273A | 1 1/4                        | 3/4                                      |                                   | 7/8                                      |                                   | 1 7/8         | 11 5/8                  | 2 3/4                                      | 2.40            | 273A |
| 273B | 1 5/16                       |                                          | 1                                 |                                          | 7/8                               | 1 7/8         | 11 5/8                  | 2 3/4                                      | 2.40            | 273B |
| 275A | 1 7/16                       | 7/8                                      |                                   | 1                                        |                                   | 2 1/8         | 13 1/4                  | 3 1/8                                      | 3.00            | 275A |
| 275D | 1 1/2                        |                                          | 1 1/8                             |                                          | 1                                 | 2 1/8         | 13 1/4                  | 3 1/8                                      | 3.00            | 275D |
| 276A | 1 5/8                        | 1                                        |                                   | 1 1/8                                    |                                   | 2 3/8         | 14 7/8                  | 3 1/2                                      | 3.44            | 276A |
| 276B | 1 11/16                      |                                          | 1 1/4                             |                                          | 1 1/8                             | 2 3/8         | 14 7/8                  | 3 1/2                                      | 3.44            | 276B |
| 277A | 1 13/16                      | 1 1/8                                    |                                   | 1 1/4                                    |                                   | 2 5/8         | 16 1/2                  | 3 7/8                                      | 3.90            | 277A |
| 278A | 2                            | 1 1/4                                    |                                   | 1 3/8                                    |                                   | 2 7/8         | 18 1/4                  | 4 3/8                                      | 4.80            | 278A |

Weights: see numerical index

♦ REGISTERED TRADE MARK

3-49

**WILLIAMS' "SUPERIOR" OFFSET SOCKET WRENCHES**  
(Carbon Steel)



(Continued from previous page)

Special broaching to order in reasonable quantities.

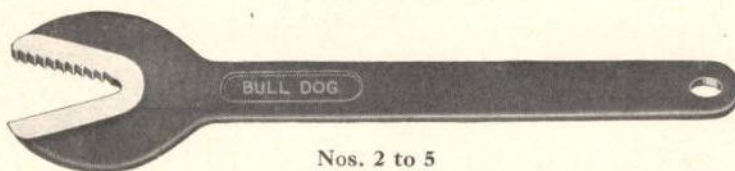
These Offset Socket Wrenches, of shorter or longer lengths than stated in table, can be furnished to order in quantities.

| No.  | SQUARE OPENINGS |                                          |                            |                     |                                   | Diam. of Head | Extreme Length, Approx. | Handle Offset in Clear from Face of Wrench | LIST PRICE Each | No.  |
|------|-----------------|------------------------------------------|----------------------------|---------------------|-----------------------------------|---------------|-------------------------|--------------------------------------------|-----------------|------|
|      | Nominal Opening | Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | For Cap Screw; Diam. Screw | For Set Screw; Size | Amer. Std. REGULAR Nut; Size Bolt |               |                         |                                            |                 |      |
| 261J | 1/4             | .....                                    | .....                      | 1/4                 | .....                             | 1/2           | 3 3/8                   | 13/16                                      | \$ .60          | 261J |
| 262H | 5/16            | .....                                    | .....                      | 5/16                | .....                             | 5/8           | 3 7/8                   | 1                                          | .66             | 262H |
| 263H | 3/8             | .....                                    | 1/4                        | 3/8                 | .....                             | 11/16         | 4 5/16                  | 1 1/16                                     | .72             | 263H |
| 265H | 7/16            | .....                                    | 5/16                       | 7/16                | 1/4                               | 7/8           | 5 7/8                   | 1 7/16                                     | .88             | 265H |
| 266H | 1/2             | 1/4                                      | 3/8                        | 1/2                 | .....                             | 1             | 6 1/4                   | 1 9/16                                     | .96             | 266H |
| 267H | 9/16            | .....                                    | 7/16                       | 9/16                | 5/16                              | 1 1/8         | 6 3/4                   | 1 5/8                                      | 1.08            | 267H |
| 268H | 5/8             | .....                                    | 1/2                        | 5/8                 | 3/8                               | 1 1/4         | 7 1/2                   | 1 13/16                                    | 1.20            | 268H |
| 268P | 11/16           | 3/8                                      | 9/16                       | .....               | .....                             | 1 1/4         | 7 1/2                   | 1 13/16                                    | 1.20            | 268P |
| 269H | 3/4             | .....                                    | 5/8                        | 3/4                 | 7/16                              | 1 3/8         | 8 3/8                   | 2                                          | 1.38            | 269H |
| 271H | 7/8             | 1/2                                      | 3/4                        | 7/8                 | 9/16                              | 1 5/8         | 10                      | 2 3/8                                      | 1.80            | 271H |
| 273H | 1               | .....                                    | .....                      | 1                   | 5/8                               | 1 7/8         | 11 5/8                  | 2 3/4                                      | 2.40            | 273H |
| 274H | 1 1/8           | .....                                    | 7/8                        | 1 1/8               | 3/4                               | 2             | 12 3/8                  | 2 7/8                                      | 2.70            | 274H |
| 276H | 1 1/4           | 3/4                                      | 1                          | 1 1/4               | .....                             | 2 3/8         | 14 7/8                  | 3 1/2                                      | 3.44            | 276H |

Weights: see numerical index

♦ REGISTERED TRADE MARK

## WILLIAMS' "BULL DOG" WRENCHES (Carbon Steel)



Nos. 2 to 5



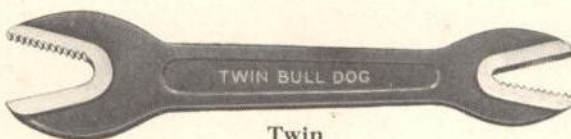
No. 1



No. 1 3/4



No. 1 1/2



Twin

## "ALWAYS READY" WRENCHES



## "BULL TERRIER" WRENCHES



Designed for all-around service, these wrenches will grip round, square, hexagon or any shape that will fit between their tough jaws.

Drop-forged from a specially fine grade of steel and carefully tempered in oil, these wrenches are practically indestructible.

The handles of "Bull Dog" Nos. 2 and 2-1/2 are concave. "Bull Dog" No. 1 packed 12 in a paper box—all others 6 to a box. "Bull Terrier" Wrenches are polished all over and oiled.

### "BULL DOG" WRENCHES

| No.   | Capacity     |                | Extreme Length | LIST PRICE<br>Each | No.   |
|-------|--------------|----------------|----------------|--------------------|-------|
|       | Pipe         | Rounds         |                |                    |       |
| 1     | 1/8 to 3/8   | 1/4 to 3/4     | 5 1/2          | \$ .45             | 1     |
| 1 1/2 | 1/8 to 1/2   | 3/8 to 7/8     | 5 1/2          | .75                | 1 1/2 |
| 1 3/4 | 1/8 to 3/4   | 3/8 to 1       | 7              | 1.10               | 1 3/4 |
| 2     | 1/4 to 3/4   | 1/2 to 1       | 9              | 1.20               | 2     |
| 2 1/2 | 3/8 to 1     | 5/8 to 1 1/4   | 12 1/2         | 1.85               | 2 1/2 |
| 3     | 1/2 to 1 1/4 | 3/4 to 1 1/2   | 16             | 2.80               | 3     |
| 3 1/2 | 1/2 to 1 1/2 | 3/4 to 1 3/4   | 18 3/4         | 3.70               | 3 1/2 |
| 4     | 3/4 to 2     | 1 to 2 1/4     | 22             | 5.60               | 4     |
| 4 1/2 | 1 to 2 1/2   | 1 1/4 to 2 3/4 | 24             | 8.50               | 4 1/2 |
| 5     | 2 to 3       | 2 1/4 to 3 1/2 | 27             | 11.00              | 5     |
| Twin  | 1/8 to 3/4   | 5/16 to 1      | 10             | 1.90               | Twin  |

### "ALWAYS READY" WRENCHES

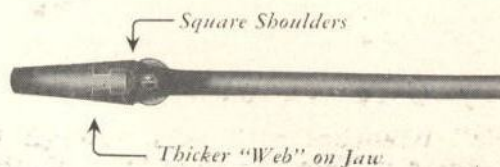
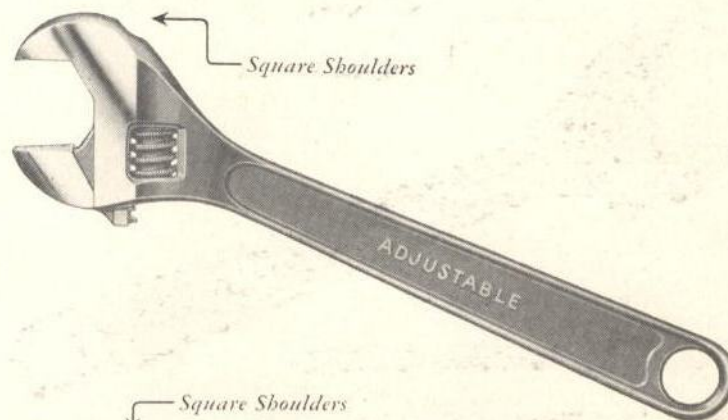
|       |              |              |        |        |       |
|-------|--------------|--------------|--------|--------|-------|
| 1     | 1/8 to 3/8   | 1/4 to 3/4   | 5      | \$1.25 | 1     |
| 2     | 1/8 to 1     | 1/4 to 1 1/4 | 7      | 1.55   | 2     |
| 2 1/2 | 1/8 to 1 1/2 | 1/4 to 1 3/4 | 9 1/2  | 2.40   | 2 1/2 |
| 3     | 1/2 to 1 1/2 | 3/4 to 2     | 11 1/2 | 3.50   | 3     |

### "BULL TERRIER" WRENCHES

|   |            |            |       |        |   |
|---|------------|------------|-------|--------|---|
| — | 1/8 to 3/8 | 1/4 to 3/4 | 5 1/2 | \$ .75 | — |
|---|------------|------------|-------|--------|---|

## WILLIAMS' ADJUSTABLE WRENCHES

(Carbon Steel)  
PATENTED



**Fully Guaranteed**

Williams' Carbon Adjustable Wrenches with thin, tapered jaws, are thinner and lighter than conventional carbon steel adjustable wrenches of similar capacity and possess unusual strength and toughness due to improved design and materials. They are drop-forged from the finest selected steel and accurately heat-treated.

Square shoulders on the shank portion of the sliding jaw provide maximum and positive bearing against working stress. They eliminate entirely the wedging and spreading action, inevitable in wrenches having a cylindrical bearing at this point. The shoulders also permit a thicker "web" on the jaw, for added strength, without increasing the thickness of the wrench head. The net result is a sliding jaw that is unbreakable in wrench service.

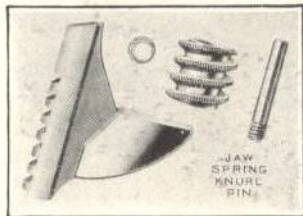
Drop-forged from specially strong, tough steel and accurately heat-treated in electric furnaces for uniform, dependable strength. Finish—shot-blasted, faces of heads polished bright. Packed, individually, in attractive cardboard box.

### REPLACEMENT PARTS ASSORTMENT

Packed in compartment cardboard box containing 88 of the following parts:—

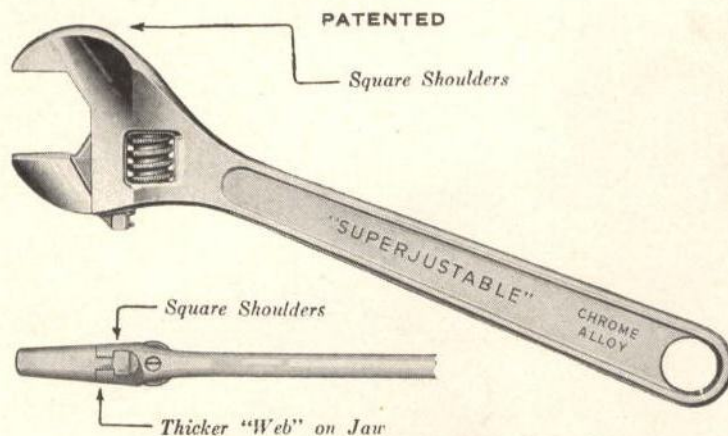
| Size | Jaws | Knurls | Pins | Springs |
|------|------|--------|------|---------|
| 4"   | 4    | 4      | 4    | 4       |
| 6"   | 6    | 6      | 6    | 6       |
| 8"   | 6    | 6      | 6    | 6       |
| 10"  | 4    | 4      | 4    | 4       |
| 12"  | 2    | 2      | 2    | 2       |

**LIST PRICE, Complete—\$13.04**



| Size,<br>Inch | LIST PRICE<br>Each | Capacity | Thickness Head |         | Extra Parts—List Price, Each |        |        |        | Size,<br>Inch |
|---------------|--------------------|----------|----------------|---------|------------------------------|--------|--------|--------|---------------|
|               |                    |          | Tip of Jaws    | Extreme | Jaw                          | Knurl  | Pin    | Spring |               |
| 4             | \$1.00             | 1/2      | 9/64           | 3/16    | \$ .30                       | \$ .12 | \$ .04 | \$ .04 | 4             |
| 6             | 1.00               | 3/4      | 7/32           | 3/8     | .30                          | .12    | .04    | .04    | 6             |
| 8             | 1.25               | 15/16    | 17/64          | 1/2     | .33                          | .13    | .04    | .04    | 8             |
| 10            | 1.50               | 1- 1/8   | 23/64          | 19/32   | .43                          | .15    | .04    | .04    | 10            |
| 12            | 2.30               | 1- 5/16  | 15/32          | 23/32   | .68                          | .25    | .11    | .04    | 12            |
| 15            | 3.50               | 1- 3/4   | 19/32          | 31/32   | .93                          | .37    | .11    | .04    | 15            |
| 18            | 5.10               | 2- 1/16  | 23/32          | 1- 3/16 | 1.27                         | .42    | .11    | .04    | 18            |

## WILLIAMS' "SUPERJUSTABLE" WRENCHES *Selected Alloy Steel*



### *Fully Guaranteed*

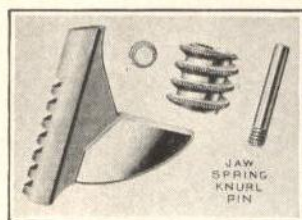
Williams' "Superjustable" Wrenches with thin, tapered jaws, are drop-forged from the finest grade of Selected Alloy Steel obtainable for the purpose. "Superjustables" are thinner and lighter, yet stronger and tougher than conventional carbon steel adjustable wrenches of similar capacity. They are second to no other alloy steel adjustable wrenches in appearance, strength and durability.

Square shoulders on the shank portion of the sliding jaw provide maximum and positive bearing against working stress. They eliminate entirely the wedging and spreading action, inevitable in wrenches having a cylindrical bearing at this point. The shoulders also permit a thicker "web" on the jaw, for added strength, without increasing the thickness of the wrench head. The net result is a sliding jaw with maximum resistance to breakage.

All parts are carefully machined to extremely close limits, assuring the accurate fit essential in wrenches of this class. Heat-treatment in recording electric furnaces of the latest type insures uniformity of product and tough, dependable strength.

Attractively finished in chrome-plate over nickel, with highly polished face; the handle is in "satin" finish. Individually packed.

### REPLACEMENT PARTS ASSORTMENT



Packed in compartment cardboard box containing 88 of the following parts:—

| Size | Jaws | Knurls | Pins | Springs |
|------|------|--------|------|---------|
| 4"   | 4    | 4      | 4    | 4       |
| 6"   | 6    | 6      | 6    | 6       |
| 8"   | 6    | 6      | 6    | 6       |
| 10"  | 4    | 4      | 4    | 4       |
| 12"  | 2    | 2      | 2    | 2       |

**LIST PRICE, Complete—\$14.80**



| Size,<br>Inch | LIST PRICE<br>Each | Capacity | Thickness Head |         | Extra Parts—List Price, Each |        |        |        | Size,<br>Inch |
|---------------|--------------------|----------|----------------|---------|------------------------------|--------|--------|--------|---------------|
|               |                    |          | Tip of Jaws    | Extreme | Jaw                          | Knurl  | Pin    | Spring |               |
| 4             | \$1.29             | 1/2      | 9/64           | 5/16    | \$ .33                       | \$ .13 | \$ .04 | \$ .04 | 4             |
| 6             | 1.29               | 3/4      | 7/32           | 3/8     | .33                          | .13    | .04    | .04    | 6             |
| 8             | 1.52               | 15/16    | 17/64          | 1/2     | .42                          | .15    | .04    | .04    | 8             |
| 10            | 1.94               | 1- 1/8   | 23/64          | 19/32   | .55                          | .17    | .04    | .04    | 10            |
| 12            | 2.87               | 1- 5/16  | 15/32          | 23/32   | .80                          | .28    | .11    | .04    | 12            |
| 15            | 4.22               | 1- 3/4   | 19/32          | 31/32   | 1.22                         | .39    | .11    | .04    | 15            |
| 18            | 7.00               | 2- 1/16  | 23/32          | 1- 3/16 | 1.43                         | .42    | .11    | .04    | 18            |

♦ REGISTERED TRADE MARK

3-49

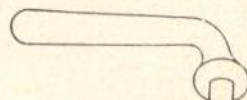
WILLIAMS' ♦ "SUPERRENCHES"  
Selected Alloy Steel

ENGINEERS' PATTERN — 15° Angle, Single Head



These "Superrenches" are drop-forged from Selected Alloy Steel and heat-treated. Finish—Chrome-plate over nickel, faces bright.

Handle can be offset above head at angles of 45° to 90° from opening, at an additional charge; see illustration at right.



| No.   | Nominal Openings | For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | For Amer. Std. Hex Head Cap Screw; Diam. Screw | For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt | For Amer. Std. REGULAR Nut; Size Bolt | Ex-treme Length | Thick-ness Heads | LIST PRICE, Each |
|-------|------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------|---------------------------------------|-----------------|------------------|------------------|
| 1000  | 5/16             | 1/8                                          | 1/8                                            | .....                                        | .....                                 | 3 1/2           | 7/32             | \$ .50           |
| 1700  | 3/8              | .....                                        | 3/16                                           | .....                                        | .....                                 | 4               | 1/4              | .50              |
| 1000A | 13/32            | 3/16                                         | .....                                          | .....                                        | .....                                 | 4               | 1/4              | .50              |
| 1701  | 7/16             | .....                                        | 1/4                                            | 1/4                                          | 1/4                                   | 4 5/8           | 9/32             | .58              |
| 1001  | 1/2              | 1/4                                          | 5/16                                           | 5/16                                         | .....                                 | 4 5/8           | 9/32             | .58              |
| 1702  | 9/16             | .....                                        | 3/8                                            | 3/8                                          | 5/16                                  | 5 1/2           | 5/16             | .73              |
| 1002  | 19/32            | 5/16                                         | .....                                          | .....                                        | .....                                 | 5 1/2           | 5/16             | .73              |
| 1703  | 5/8              | .....                                        | 7/16                                           | 7/16                                         | 3/8                                   | 6 3/8           | 11/32            | .90              |
| 1003  | 11/16            | 3/8                                          | .....                                          | .....                                        | .....                                 | 6 3/8           | 11/32            | .90              |
| 1704  | 3/4              | .....                                        | 1/2                                            | 1/2                                          | 7/16                                  | 7 1/4           | 3/8              | 1.10             |
| 1004  | 25/32            | 7/16                                         | .....                                          | .....                                        | .....                                 | 7 1/4           | 3/8              | 1.10             |
| 1705  | 13/16            | .....                                        | 9/16                                           | .....                                        | 1/2                                   | 8 1/8           | 7/16             | 1.31             |
| 1005  | 7/8              | 1/2                                          | 5/8                                            | 9/16                                         | 9/16                                  | 8 1/8           | 7/16             | 1.31             |
| 1006  | 15/16            | 9/16                                         | .....                                          | 5/8                                          | .....                                 | 9 1/4           | 1/2              | 1.58             |
| 1706  | 1                | .....                                        | 3/4                                            | 11/16                                        | 5/8                                   | 9 1/4           | 1/2              | 1.58             |
| 1007  | 1 1/16           | 5/8                                          | .....                                          | 3/4                                          | .....                                 | 10 1/2          | 9/16             | 1.96             |
| 1707  | 1 1/8            | .....                                        | 7/8                                            | .....                                        | 3/4                                   | 10 1/2          | 9/16             | 1.96             |
| 1008  | 1 1/4            | 3/4                                          | .....                                          | 7/8                                          | .....                                 | 12              | 21/32            | 2.63             |
| 1008A | 1 5/16           | .....                                        | 1                                              | .....                                        | 7/8                                   | 12              | 21/32            | 2.63             |
| 1009  | 1 7/16           | 7/8                                          | .....                                          | 1                                            | .....                                 | 13 1/2          | 23/32            | 3.98             |
| 1709  | 1 1/2            | .....                                        | 1 1/8                                          | .....                                        | 1                                     | 13 1/2          | 23/32            | 3.98             |
| 1010  | 1 5/8            | 1                                            | .....                                          | 1 1/8                                        | .....                                 | 15              | 25/32            | 5.56             |
| 1010A | 1 11/16          | .....                                        | 1 1/4                                          | .....                                        | 1 1/8                                 | 15              | 25/32            | 5.56             |
| 1011  | 1 13/16          | 1 1/8                                        | .....                                          | 1 1/4                                        | .....                                 | 16 1/2          | 7/8              | 7.25             |
| 1011A | 1 7/8            | .....                                        | .....                                          | .....                                        | 1 1/4                                 | 16 1/2          | 7/8              | 7.25             |
| 1012  | 2                | 1 1/4                                        | .....                                          | 1 3/8                                        | .....                                 | 18 1/4          | 15/16            | 9.86             |
| 1012A | 2 1/16           | .....                                        | .....                                          | .....                                        | 1 3/8                                 | 18 1/4          | 15/16            | 9.86             |
| 1013  | 2 3/16           | 1 3/8                                        | .....                                          | 1 1/2                                        | .....                                 | 20              | 1                | 12.75            |
| 1013A | 2 1/4            | .....                                        | .....                                          | .....                                        | 1 1/2                                 | 20              | 1                | 12.75            |
| 1014  | 2 3/8            | 1 1/2                                        | .....                                          | .....                                        | .....                                 | 22              | 1 1/16           | 16.06            |
| 1014A | 2 7/16           | .....                                        | .....                                          | .....                                        | 1 5/8                                 | 22              | 1 1/16           | 16.06            |

Weights: see numerical index.

♦ REGISTERED TRADE MARK

**WILLIAMS' "SUPERRENCHES"**  
Selected Alloy Steel

ENGINEERS' PATTERN — 15° Angle, Double Head



**Strength and Toughness Without Bulk**

These "Superrenches" are particularly serviceable in cramped quarters where clearance is limited. The jaws are long, thin and pointed but the strength is the greatest ever put in a thin wrench. Selected Alloy steel makes "Superrenches" absolutely dependable—no matter how hard the work.

The 15° angle of the opening is the most efficient that can be devised. With it a hex nut can be rotated completely where the swing of the wrench is limited to only 30°.

Finish—Chrome plate over nickel, faces bright.

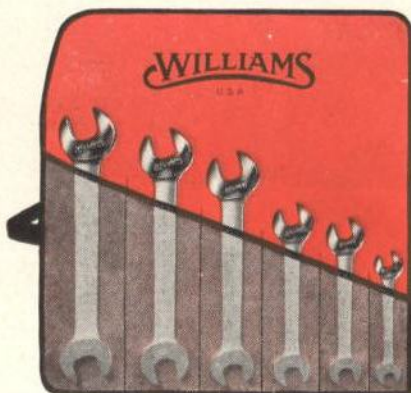
Whitworth and Metric sizes, see page 161.

| No.   | Nominal Openings | For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts | For Amer. Std. Hex Head Cap Screws; Diam. Screws | For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts | For Amer. Std. REGULAR Nuts; Size Bolts | Ex-<br>treme Length | Thick-<br>ness Heads | LIST PRICE Each | No.   |
|-------|------------------|------------------------------------------------|--------------------------------------------------|------------------------------------------------|-----------------------------------------|---------------------|----------------------|-----------------|-------|
| 1021S | 1/4 & 5/16       | 1/8                                            | 1/8                                              |                                                |                                         | 4 1/2               | 3/16                 | \$ .56          | 1021S |
| 1720  | 5/16 & 11/32     | 1/8                                            | 1/8                                              |                                                |                                         | 4 1/2               | 3/16                 | .60             | 1720  |
| 1721  | 5/16 & 3/8       | 1/8                                            | 1/8 & 3/16                                       |                                                |                                         | 4 1/2               | 3/16                 | .60             | 1721  |
| 1723  | 3/8 & 7/16       |                                                | 3/16 & 1/4                                       | 1/4                                            | 1/4                                     | 4 7/8               | 13/64                | .70             | 1723  |
| 1725  | 7/16 & 1/2       | 1/4                                            | 1/4 & 5/16                                       | 1/4 & 5/16                                     | 1/4                                     | 5 5/8               | 15/64                | .77             | 1725  |
| 1725A | 7/16 & 9/16      |                                                | 1/4 & 3/8                                        | 1/4 & 3/8                                      | 1/4 & 5/16                              | 5 5/8               | 15/64                | .84             | 1725A |
| 1725B | 1/2 & 9/16       | 1/4                                            | 5/16 & 3/8                                       | 5/16 & 3/8                                     | 5/16                                    | 6 1/8               | 1/4                  | .84             | 1725B |
| 1025  | 1/2 & 19/32      | 1/4 & 5/16                                     | 5/16                                             | 5/16                                           |                                         | 6 1/8               | 1/4                  | .92             | 1025  |
| 1727  | 9/16 & 5/8       |                                                | 3/8 & 7/16                                       | 3/8 & 7/16                                     | 5/16 & 3/8                              | 6 5/8               | 17/64                | .99             | 1727  |
| 1027  | 19/32 & 11/16    | 5/16 & 3/8                                     |                                                  |                                                |                                         | 7 1/4               | 9/32                 | 1.30            | 1027  |
| 1027B | 5/8 & 11/16      | 3/8                                            | 7/16                                             | 7/16                                           | 3/8                                     | 7 1/4               | 9/32                 | 1.30            | 1027B |
| 1028  | 19/32 & 25/32    | 5/16 & 7/16                                    |                                                  |                                                |                                         | 7 7/8               | 19/64                | 1.30            | 1028  |
| 1729  | 5/8 & 3/4        |                                                | 7/16 & 1/2                                       | 7/16 & 1/2                                     | 3/8 & 7/16                              | 7 7/8               | 19/64                | 1.27            | 1729  |
| 1029B | 11/16 & 3/4      | 3/8                                            | 1/2                                              | 1/2                                            | 7/16                                    | 8 1/2               | 5/16                 | 1.30            | 1029B |
| 1029  | 11/16 & 25/32    | 3/8 & 7/16                                     |                                                  |                                                |                                         | 8 1/2               | 5/16                 | 1.69            | 1029  |
| 1029C | 11/16 & 13/16    | 3/8                                            | 9/16                                             |                                                | 1/2                                     | 8 1/2               | 5/16                 | 1.69            | 1029C |
| 1731  | 3/4 & 13/16      |                                                | 1/2 & 9/16                                       | 1/2                                            | 7/16 & 1/2                              | 9 1/4               | 11/32                | 1.69            | 1731  |
| 1731A | 3/4 & 7/8        | 1/2                                            | 1/2 & 5/8                                        | 1/2 & 9/16                                     | 7/16 & 9/16                             | 9 1/4               | 11/32                | 1.69            | 1731A |
| 1031B | 25/32 & 13/16    | 7/16                                           | 9/16                                             |                                                | 1/2                                     | 9 1/4               | 11/32                | 1.69            | 1031B |
| 1031  | 25/32 & 7/8      | 7/16 & 1/2                                     | 5/8                                              | 9/16                                           | 9/16                                    | 9 1/4               | 11/32                | 1.69            | 1031  |
| 1731B | 13/16 & 7/8      | 1/2                                            | 9/16 & 5/8                                       | 9/16                                           | 1/2 & 9/16                              | 9 1/4               | 11/32                | 1.69            | 1731B |
| 1032B | 13/16 & 15/16    | 9/16                                           | 9/16                                             | 5/8                                            | 1/2                                     | 10                  | 3/8                  | 1.69            | 1032B |
| 1033A | 7/8 & 15/16      | 1/2 & 9/16                                     | 5/8                                              | 9/16 & 5/8                                     | 9/16                                    | 10                  | 3/8                  | 1.69            | 1033A |
| 1733  | 7/8 & 1          | 1/2                                            | 5/8 & 3/4                                        | 9/16                                           | 9/16 & 5/8                              | 10 7/8              | 13/32                | 2.29            | 1733  |
| 1033C | 15/16 & 1        | 9/16                                           | 3/4                                              | 5/8                                            | 5/8                                     | 10 7/8              | 13/32                | 2.29            | 1033C |
| 1034  | 7/8 & 1 1/16     | 1/2 & 5/8                                      | 5/8                                              | 9/16 & 3/4                                     | 9/16                                    | 11 3/4              | 7/16                 | 2.15            | 1034  |
| 1034A | 15/16 & 1 1/16   | 9/16 & 5/8                                     |                                                  | 5/8 & 3/4                                      |                                         | 11 3/4              | 7/16                 | 2.29            | 1034A |
| 1735  | 1 & 1 1/8        |                                                | 3/4 & 7/8                                        |                                                | 5/8 & 3/4                               | 12 3/4              | 1/2                  | 2.68            | 1735  |
| 1036B | 1 1/16 & 1 1/8   | 5/8                                            | 7/8                                              | 3/4                                            | 3/4                                     | 12 3/4              | 1/2                  | 2.68            | 1036B |
| 1037  | 1 1/16 & 1 1/4   | 5/8 & 3/4                                      |                                                  | 3/4 & 7/8                                      |                                         | 12 3/4              | 1/2                  | 3.13            | 1037  |
| 1737  | 1 1/8 & 1 1/4    | 3/4                                            | 7/8                                              | 7/8                                            | 3/4                                     | 12 3/4              | 1/2                  | 3.13            | 1737  |
| 1037A | 1 1/8 & 1 5/16   |                                                | 7/8 & 1                                          |                                                | 3/4 & 7/8                               | 12 3/4              | 1/2                  | 3.13            | 1037A |
| 1039B | 1 1/4 & 1 5/16   | 3/4                                            | 1                                                | 7/8                                            | 7/8                                     | 14                  | 9/16                 | 4.19            | 1039B |
| 1039  | 1 1/4 & 1 7/16   | 3/4 & 7/8                                      |                                                  | 7/8 & 1                                        |                                         | 14                  | 9/16                 | 4.58            | 1039  |
| 1039A | 1 5/16 & 1 1/2   |                                                | 1 & 1 1/8                                        |                                                | 7/8 & 1                                 | 14                  | 9/16                 | 4.58            | 1039A |
| 1039C | 1 3/8 & 1 7/16   | 7/8                                            |                                                  | 1                                              |                                         | 14                  | 9/16                 | 4.58            | 1039C |
| 1041  | 1 7/16 & 1 5/8   | 7/8 & 1                                        |                                                  | 1 & 1 1/8                                      |                                         | 15 3/4              | 3/4                  | 6.47            | 1041  |
| 1041B | 1 1/2 & 1 5/8    | 1                                              | 1 1/8                                            | 1 1/8                                          | 1                                       | 15 3/4              | 3/4                  | 6.83            | 1041B |

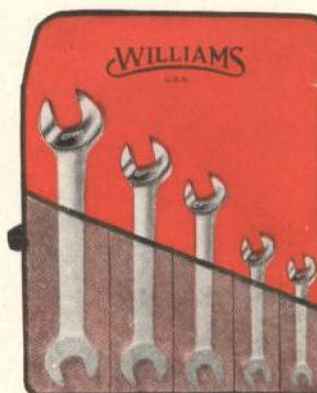
Weights: see numerical index.

♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERRENCH" SETS  
Selected Alloy Steel



SET No. 1025A



SET No. 1005S

| No. | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | Amer. Std. Hex Head Cap Screws; Diam. Screw | Amer. Std. LIGHT Nut (S.A.E.); Size Bolt | Amer. Std. REGULAR Nut; Size Bolt | No. |
|-----|------------------|------------------------------------------|---------------------------------------------|------------------------------------------|-----------------------------------|-----|
|-----|------------------|------------------------------------------|---------------------------------------------|------------------------------------------|-----------------------------------|-----|

SET No. 1025A — LIST PRICE Complete, In Leatherette Roll. \$9.53

In Cardboard Box..... 8.28

Roll Only..... 1.25

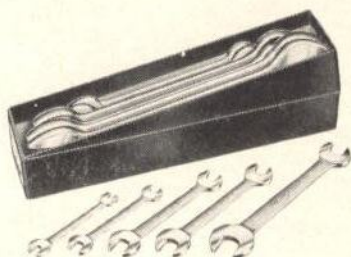
|       |               |            |            |            |             |       |
|-------|---------------|------------|------------|------------|-------------|-------|
| 1723  | 3/8 & 7/16    | 1/4 & 5/16 | 3/16 & 1/4 | 5/16 1/4   | 1/4         | 1723  |
| 1025  | 1/2 & 19/32   | 1/4 & 5/16 | 5/16       | 5/16       | 5/16 & 3/8  | 1025  |
| 1727  | 9/16 & 5/8    | 3/8 & 7/16 | 3/8 & 7/16 | 3/8 & 7/16 | 5/16 & 3/8  | 1727  |
| 1029  | 11/16 & 25/32 | 3/8 & 7/16 | 3/8 & 7/16 | 3/8 & 7/16 | 5/16 & 3/8  | 1029  |
| 1731A | 3/4 & 7/8     | 1/2        | 1/2 & 5/8  | 1/2 & 9/16 | 7/16 & 9/16 | 1731A |
| 1033C | 15/16 & 1     | 9/16       | 3/4        | 5/8        | 5/8         | 1033C |

SET No. 1005S — LIST PRICE Complete, In Leatherette Roll. \$10.32

In Cardboard Box..... 8.87

Roll Only..... 1.45

|       |                |           |            |            |             |       |
|-------|----------------|-----------|------------|------------|-------------|-------|
| 1725  | 7/16 & 1/2     | 1/4       | 1/4 & 5/16 | 1/4 & 5/16 | 1/4         | 1725  |
| 1727  | 9/16 & 5/8     | 1/2       | 3/8 & 7/16 | 3/8 & 7/16 | 5/16 & 3/8  | 1727  |
| 1731A | 3/4 & 7/8      | 1/2       | 1/2 & 5/8  | 1/2 & 9/16 | 7/16 & 9/16 | 1731A |
| 1033C | 15/16 & 1      | 9/16      | 3/4        | 5/8        | 5/8         | 1033C |
| 1037  | 1 1/16 & 1 1/4 | 5/8 & 3/4 |            | 3/4 & 7/8  |             | 1037  |



SET No. 1712A

LIST PRICE

Complete, In Cardboard Box

\$23.21

11 Wrenches, 22 Different Openings

| No. | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | Amer. Std. Hex Head Cap Screws; Diam. Screw | Amer. Std. LIGHT Nut (S.A.E.); Size Bolt | Amer. Std. REGULAR Nut; Size Bolt | No. |
|-----|------------------|------------------------------------------|---------------------------------------------|------------------------------------------|-----------------------------------|-----|
|-----|------------------|------------------------------------------|---------------------------------------------|------------------------------------------|-----------------------------------|-----|

|       |                |            |            |            |            |       |
|-------|----------------|------------|------------|------------|------------|-------|
| 1021S | 1/4 & 5/16     | 1/8        | 1/8        | 1/4        | 1/4        | 1021S |
| 1723  | 3/8 & 7/16     | 1/4 & 5/16 | 3/16 & 1/4 | 5/16       | 5/16       | 1723  |
| 1025  | 1/2 & 19/32    | 1/4 & 5/16 | 5/16       | 3/8 & 7/16 | 5/16 & 3/8 | 1025  |
| 1727  | 9/16 & 5/8     | 3/8 & 7/16 | 3/8 & 7/16 | 3/8 & 7/16 | 5/16 & 3/8 | 1727  |
| 1029  | 11/16 & 25/32  | 3/8 & 7/16 | 3/8 & 7/16 | 3/8 & 7/16 | 5/16 & 3/8 | 1029  |
| 1731  | 3/4 & 13/16    | 1/2 & 9/16 | 1/2 & 9/16 | 1/2        | 7/16 & 1/2 | 1731  |
| 1033A | 7/8 & 15/16    | 1/2 & 9/16 | 5/8        | 9/16 & 5/8 | 9/16       | 1033A |
| 1735  | 1 & 1 1/8      | 5/8 & 3/4  | 3/4 & 7/8  | 3/4 & 7/8  | 5/8 & 3/4  | 1735  |
| 1037  | 1 1/16 & 1 1/4 | 1 & 1 1/8  |            | 7/8 & 1    |            | 1037  |
| 1039A | 1 5/16 & 1 1/2 |            |            |            |            | 1039A |
| 1039C | 1 3/8 & 1 7/16 | 7/8        |            |            |            | 1039C |

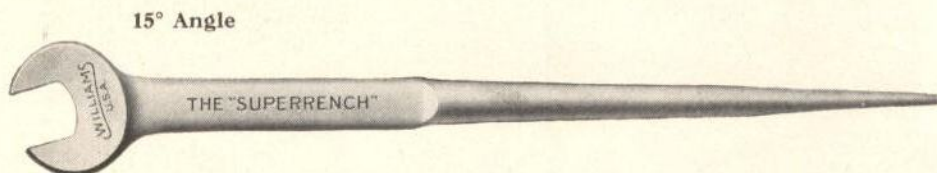
Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' ♦"SUPERRENCHES"

*Selected Alloy Steel*

CONSTRUCTION PATTERN



These wrenches have been made especially to meet the needs of structural workers. The slim design provides ample strength and leverage without unnecessary weight and bulk.

The long, narrow jaws give substantially full bearing on square nuts. The round handle has tapered end for easy insertion into bolt holes when bringing same into line.

Especially adapted to heavy automotive work, where unusual leverage is required.

Tapered tang on end of handle is useful in locating and lining-up holes in frame, axle pads, fender bolt holes, etc.

Particularly serviceable on Anchor Nuts, Bendix Brakes—Axle-shaft Nuts—Bumper Bolts and Nuts, Bus and Truck — Frame Members — King-bolts and Nuts — Spring-clip ("U" Bolt) Nuts—Spring-shackle Bolts and Nuts — Tire and Luggage-carrier Bolts and Nuts, Bus and Truck — etc.

Drop-Forged from Selected Alloy Steel, heat-treated and finished in baked gray enamel all over.

| No.   | Nominal Opening | For U. S. Std. Nut; Size Bolt | For S.A.E. Std. Nut and Cap Screw | For Amer. Std. Reg. Nut; Size Bolt | Extreme Length, Approx. | LIST PRICE, Each |
|-------|-----------------|-------------------------------|-----------------------------------|------------------------------------|-------------------------|------------------|
| 1205  | 7/8             | 1/2                           | 9/16                              | 9/16                               | 14 1/2                  | \$1.95           |
| 1206B | 1               |                               |                                   | 5/8                                | 14 1/2                  | 1.95             |
| 1207  | 1 1/16          | 5/8                           | 3/4                               |                                    | 17                      | 2.73             |
| 1207A | 1 1/8           |                               |                                   | 3/4                                | 17                      | 2.73             |
| 1208  | 1 1/4           | 3/4                           | 7/8                               |                                    | 19                      | 3.68             |
| 1208A | 1 5/16          |                               |                                   | 7/8                                | 19                      | 3.68             |
| 1209  | 1 7/16          | 7/8                           | 1                                 |                                    | 21                      | 5.03             |
| 1209A | 1 1/2           |                               |                                   | 1                                  | 21                      | 5.03             |
| 1210  | 1 5/8           | 1                             | 1 1/8                             |                                    | 23                      | 7.13             |
| 1211  | 1 13/16         | 1 1/8                         | 1 1/4                             |                                    | 25                      | 10.50            |
| 1212  | 2               | 1 1/4                         | 1 3/8                             |                                    | 25                      | 10.50            |

Weights: see numerical index.

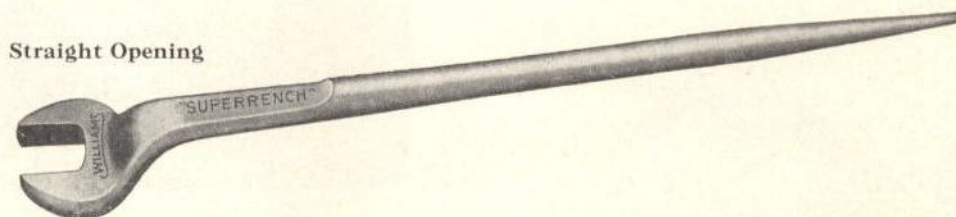
♦ REGISTERED TRADE MARK

3-49

WILLIAMS' "SUPERRENCHES"

*Selected Alloy Steel*

STRUCTURAL PATTERN



Straight Opening

These wrenches have been made especially to meet the needs of structural workers. The slim design provides ample strength and leverage without unnecessary weight and bulk.

The long, narrow jaws give substantially full bearing on square nuts. The round handle has tapered end for easy insertion into bolt holes when bringing same into line.

The abrupt offset and angle of handle provide for clearance of obstructions and safety to the operator's hands. The wrench is particularly well balanced. When thrust into scabbard or belt-loop, the "step-up" of the round above the flat part of handle acts as a stop, yet is readily released.

Especially adapted to heavy automotive work, where unusual leverage is required.

Tapered tang on end of handle is useful in locating and lining-up holes in frame, axle pads, fender bolt holes, etc.

Particularly serviceable on Anchor Nuts, Bendix Brakes—Axle-shaft Nuts—Bumper Bolts and Nuts, Bus and Truck—Frame Members—King-bolts and Nuts—Spring-clip ("U" Bolt) Nuts—Spring-shackle Bolts and Nuts—Tire and Luggage-carrier Bolts and Nuts, Bus and Truck—etc.

Drop-Forged from Selected Alloy Steel, heat-treated and finished in baked gray enamel all over.

| No.   | Nominal Opening | For U. S. Std. Nut; Size Bolt | Amer. Std. Reg. Nut; Size Bolt | Extreme Length, Approx. | Thick-ness Head | Handle Offset |         | LIST PRICE, Each |
|-------|-----------------|-------------------------------|--------------------------------|-------------------------|-----------------|---------------|---------|------------------|
|       |                 |                               |                                |                         |                 | At Head       | At End  |                  |
| 1905  | 7/8             | 1/2                           | 9/16                           | 14 1/2                  | 17/32           | 1             | 1 7/8   | \$2.37           |
| 1906B | 1               | .....                         | 5/8                            | 14 1/2                  | 17/32           | 1             | 1 7/8   | 2.37             |
| 1907  | 1 1/16          | 5/8                           | .....                          | 17                      | 5/8             | 1 1/8         | 2 3/8   | 3.30             |
| 1907A | 1 1/8           | .....                         | 3/4                            | 17                      | 5/8             | 1 1/8         | 2 3/8   | 3.30             |
| 1908  | 1 1/4           | 3/4                           | .....                          | 19                      | 11/16           | 1 1/4         | 2 3/4   | 4.47             |
| 1908A | 1 5/16          | .....                         | 7/8                            | 19                      | 11/16           | 1 1/4         | 2 3/4   | 4.47             |
| 1909  | 1 7/16          | 7/8                           | .....                          | 21                      | 3/4             | 1 3/8         | 3 1/16  | 6.15             |
| 1909A | 1 1/2           | .....                         | 1                              | 21                      | 3/4             | 1 3/8         | 3 1/16  | 6.15             |
| 1910  | 1 5/8           | 1                             | .....                          | 23                      | 13/16           | 1 1/2         | 3 3/8   | 8.50*            |
| 1910A | 1 11/16         | .....                         | 1 1/8                          | 23                      | 13/16           | 1 1/2         | 3 3/8   | 8.50             |
| 1911  | 1 13/16         | 1 1/8                         | .....                          | 25                      | 7/8             | 1 5/8         | 3 11/16 | 12.87            |
| 1911A | 1 7/8           | .....                         | 1 1/4                          | 25                      | 7/8             | 1 5/8         | 3 11/16 | 12.87            |
| 1912  | 2               | 1 1/4                         | .....                          | 25                      | 7/8             | 1 5/8         | 3 11/16 | 12.87            |

Weights: see numerical index.

♦ REGISTERED TRADE MARK

## WILLIAMS' MIDGET + "SUPERRENCHES"

*Selected Alloy Steel*

### OPEN END PATTERN



15° Angle Openings



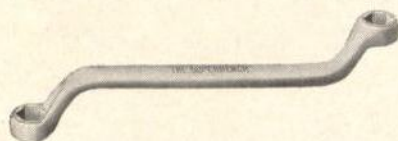
15° and 75° Angle Openings

Midget "Superrenches" are unusually thin and slim, but surprisingly tough and strong. On magnetos, generators, wiring-connections, carburetors, radios, all delicate adjustments and in the closest quarters, these wrenches are invaluable. Available in the two styles illustrated—forged from Selected Alloy Steel, heat-treated, chrome-plate over nickel, faces bright.

| No.                      | Nominal Openings | Extreme Length | Thickness Heads | LIST PRICE | No.   |
|--------------------------|------------------|----------------|-----------------|------------|-------|
| <b>15° ANGLE OPENING</b> |                  |                |                 |            |       |
| 1106                     | 13/64 & 7/32     | 3              | 3/32            | \$ .74     | 1106  |
| 1107                     | 15/64 & 1/4      | 3              | 3/32            | .77        | 1107  |
| 1108                     | 9/32 & 11/32     | 3-1/2          | 1/8             | .81        | 1108  |
| 1108A                    | 1/4 & 5/16       | 3-1/2          | 1/8             | .81        | 1108A |
| 1109                     | 5/16 & 3/8       | 3-1/2          | 1/8             | .84        | 1109  |

|                             |               |       |      |        |      |
|-----------------------------|---------------|-------|------|--------|------|
| <b>15-75° ANGLE OPENING</b> |               |       |      |        |      |
| 1112                        | 3/16 & 3/16   | 3     | 3/32 | \$ .74 | 1112 |
| 1113                        | 13/64 & 13/64 |       |      | .74    | 1113 |
| 1114                        | 7/32 & 7/32   |       |      | .74    | 1114 |
| 1115                        | 15/64 & 15/64 |       |      | .77    | 1115 |
| 1116                        | 1/4 & 1/4     | 3-3/4 | 1/8  | .81    | 1116 |
| 1118                        | 9/32 & 9/32   |       |      | .81    | 1118 |
| 1120                        | 5/16 & 5/16   |       |      | .84    | 1120 |
| 1122                        | 11/32 & 11/32 |       |      | .84    | 1122 |
| 1124                        | 3/8 & 3/8     | 4-1/2 | 5/32 | .92    | 1124 |
| 1128                        | 7/16 & 7/16   |       |      | .92    | 1128 |
| 1132                        | 1/2 & 1/2     |       |      | .92    | 1132 |

### 6-POINT BOX MIDGET PATTERN



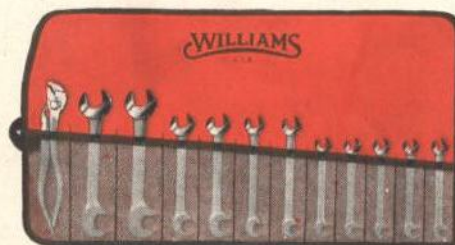
Midget Double Offset Box "Superrenches" are ideal for carburetor, electrical and ignition work. Offset design clears small obstructions where working space is limited. Selected Alloy Steel, heat-treated, chrome-plate over nickel, heads bright.

*Fully Guaranteed*

| No.  | Nominal Openings | Extreme Length | LIST PRICE | No.  |
|------|------------------|----------------|------------|------|
| 1150 | 13/64 & 3/16     | 2 7/8          | \$ .75     | 1150 |
| 1151 | 15/64 & 7/32     | 3 1/8          | .81        | 1151 |
| 1152 | 9/32 & 1/4       | 3 3/8          | .86        | 1152 |
| 1153 | 11/32 & 5/16     | 3 3/4          | .92        | 1153 |

Weights: see numerical index.

♦ REGISTERED TRADE MARK



### SET No. 1141P

#### LIST PRICES

In Leatherette Roll, \$11.17  
In Cardboard Box, 10.27  
Roll Only, .90

Contains 11 Midget "Superrenches" Nos. 1112, 1113, 1114, 1115, 1116, 1118, 1120, 1122, 1124, 1128, 1132 and 1519 Midget "Superplier".



### SET No. 1149P

#### LIST PRICES

With 1519 "Superplier"

In Leatherette Roll, \$5.87  
In Cardboard Box, 5.37  
Roll Only, .50

### SET No. 1149

Without 1519 "Superplier"

In Leatherette Roll, \$4.37  
In Cardboard Box, 3.97  
Roll Only, .40

Handy assortment of 5 Midget "Superrenches" Nos. 1106, 1107, 1108, 1108A, 1109 and 1519 "Superplier".



### SET No. 1154S

#### LIST PRICES

In Leatherette Roll, \$3.84  
In Cardboard Box, 3.34  
Roll Only, .50

Contains 4 Midget Box "Superrenches" Nos. 1150, 1151, 1152 and 1153.

# WILLIAMS' "SUPERRENCHES"

*Selected Alloy Steel*

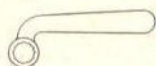
REGULAR 12-POINT BOX PATTERN FOR CLOSE QUARTERS

12-Point Opening—7½° Angle



These "Superrenches" with thin head walls, are particularly efficient in close quarters and for general service. They grip nuts on six sides and prevent slipping. Will rotate hex nuts where the wrench can be swung only 15°—HALF the space required by conventional wrenches. Drop-forged from Selected Alloy Steel—heat-treated.

**Finish**—Chrome-plate over nickel, heads bright.



Handle can be bent above head at angles of 45° to 90° from opening, at an additional charge; see illustration.

| No.   | Nominal<br>Opening<br>Across<br>Flats | For<br>Amer. Std.<br>HEAVY Nut<br>(U.S.S.);<br>Size Bolt | For<br>Amer. Std.<br>Hex Head<br>Cap Screw;<br>Diam. Screw | For<br>Amer. Std.<br>LIGHT Nut<br>(S.A.E.);<br>Size Bolt | For<br>Amer. Std.<br>REGULAR<br>Nut;<br>Size Bolt | Ex-<br>treme<br>Length<br>Approx. | Head           |                  | List<br>Price,<br>Each |
|-------|---------------------------------------|----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-----------------------------------|----------------|------------------|------------------------|
|       |                                       |                                                          |                                                            |                                                          |                                                   |                                   | Thick-<br>ness | Outside<br>Diam. |                        |
| 1800A | 7/16                                  |                                                          | 1/4                                                        | 1/4                                                      | 1/4                                               | 3 1/2                             | 7/32           | 45/64            | \$ .63                 |
| 1801  | 1/2                                   | 1/4                                                      | 5/16                                                       | 5/16                                                     |                                                   | 4                                 | 17/64          | 27/32            | .77                    |
| 1802A | 9/16                                  |                                                          | 3/8                                                        | 3/8                                                      | 5/16                                              | 4 7/8                             | 5/16           | 31/32            | .90                    |
| 1802  | 19/32                                 | 5/16                                                     |                                                            |                                                          |                                                   | 4 7/8                             | 5/16           | 63/64            | .90                    |
| 1803A | 5/8                                   |                                                          | 7/16                                                       | 7/16                                                     | 3/8                                               | 5 7/8                             | 23/64          | 1 1/16           | 1.05                   |
| 1803  | 11/16                                 | 3/8                                                      |                                                            |                                                          |                                                   | 5 7/8                             | 23/64          | 1 9/64           | 1.05                   |
| 1804A | 3/4                                   |                                                          | 1/2                                                        | 1/2                                                      | 7/16                                              | 6 7/8                             | 13/32          | 1 1/4            | 1.20                   |
| 1804  | 25/32                                 | 7/16                                                     |                                                            |                                                          |                                                   | 6 7/8                             | 13/32          | 1 9/32           | 1.20                   |
| 1805A | 13/16                                 |                                                          | 9/16                                                       |                                                          | 1/2                                               | 7 3/4                             | 29/64          | 1 23/64          | 1.47                   |
| 1805  | 7/8                                   | 1/2                                                      | 5/8                                                        | 9/16                                                     | 9/16                                              | 7 3/4                             | 29/64          | 1 27/64          | 1.47                   |
| 1806  | 15/16                                 | 9/16                                                     |                                                            | 5/8                                                      |                                                   | 8 3/4                             | 1/2            | 1 19/32          | 1.78                   |
| 1806B | 1                                     |                                                          | 3/4                                                        |                                                          | 5/8                                               | 8 3/4                             | 1/2            | 1 19/32          | 1.78                   |
| 1807  | 1 1/16                                | 5/8                                                      |                                                            | 3/4                                                      |                                                   | 9 7/8                             | 9/16           | 1 25/32          | 2.15                   |
| 1807A | 1 1/8                                 |                                                          | 7/8                                                        |                                                          | 3/4                                               | 9 7/8                             | 9/16           | 1 25/32          | 2.15                   |
| 1808  | 1 1/4                                 | 3/4                                                      |                                                            | 7/8                                                      |                                                   | 11 1/2                            | 9/16           | 2 1/16           | 2.73                   |
| 1808A | 1 5/16                                |                                                          | 1                                                          |                                                          | 7/8                                               | 11 1/2                            | 9/16           | 2 1/16           | 2.73                   |
| 1809  | 1 7/16                                | 7/8                                                      |                                                            | 1                                                        |                                                   | 13 3/8                            | 21/32          | 2 3/8            | 3.68                   |
| 1809A | 1 1/2                                 |                                                          | 1 1/8                                                      |                                                          | 1                                                 | 13 3/8                            | 21/32          | 2 3/8            | 3.68                   |
| 1810  | 1 5/8                                 | 1                                                        |                                                            | 1 1/8                                                    |                                                   | 15 1/4                            | 3/4            | 2 5/8            | 4.93                   |
| 1810A | 1 11/16                               |                                                          | 1 1/4                                                      |                                                          | 1 1/8                                             | 15 1/4                            | 3/4            | 2 5/8            | 4.93                   |
| 1811  | 1 13/16                               | 1 1/8                                                    |                                                            | 1 1/4                                                    |                                                   | 17                                | 13/16          | 2 29/32          | 6.52                   |
| 1811A | 1 7/8                                 |                                                          |                                                            |                                                          | 1 1/4                                             | 17                                | 13/16          | 2 29/32          | 6.52                   |
| 1812  | 2                                     | 1 1/4                                                    |                                                            | 1 3/8                                                    |                                                   | 19                                | 15/16          | 3 1/4            | 8.45                   |

Weights: see numerical index

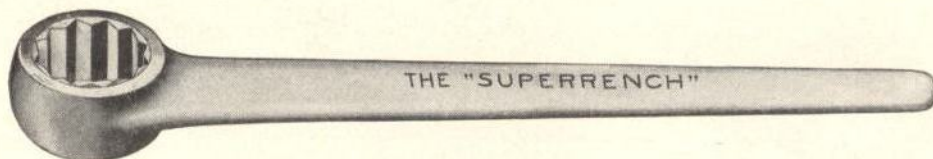
◆ REGISTERED TRADE MARK

WILLIAMS' "SUPERRENCHES"

*Selected Alloy Steel*

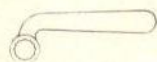
HEAVY 12-POINT BOX PATTERN FOR CLOSE QUARTERS

12-Point Opening— $7\frac{1}{2}^\circ$  Angle



These "Superrenches" with thin head walls, are particularly efficient in close quarters and for general service. They grip nuts on six sides and prevent slipping. Will rotate hex nuts where the wrench can be swung only  $15^\circ$ —HALF the space required by conventional wrenches. Drop-forged from Selected Alloy Steel—heat-treated.

**Finish** — Chrome-plate over nickel, heads bright.



Handle can be bent above head at angles of  $45^\circ$  to  $90^\circ$  from opening, at an additional charge; see illustration.

| No.    | Nominal<br>Opening<br>Across<br>Flats | For<br>Amer. Std.<br>HEAVY Nut<br>(U.S.S.);<br>Size Bolt | For<br>Amer. Std.<br>Hex Head<br>Cap Screw;<br>Diam. Screw | For<br>Amer. Std.<br>LIGHT Nut<br>(S.A.E.);<br>Size Bolt | For<br>Amer. Std.<br>REGULAR<br>Nut;<br>Size Bolt | Ex-<br>treme<br>Length<br>Approx. | Head           |                  | List<br>Price,<br>Each |
|--------|---------------------------------------|----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-----------------------------------|----------------|------------------|------------------------|
|        |                                       |                                                          |                                                            |                                                          |                                                   |                                   | Thick-<br>ness | Outside<br>Diam. |                        |
| H1808  | 1 1/4                                 | 3/4                                                      | .....                                                      | 7/8                                                      | .....                                             | 11 1/2                            | 13/16          | 2 1/16           | \$3.62                 |
| H1808A | 1 5/16                                | .....                                                    | 1                                                          | .....                                                    | 7/8                                               | 11 1/2                            | 13/16          | 2 1/16           | 3.62                   |
| H1809  | 1 7/16                                | 7/8                                                      | .....                                                      | 1                                                        | .....                                             | 13 3/8                            | 15/16          | 2 3/8            | 4.88                   |
| H1809A | 1 1/2                                 | .....                                                    | 1 1/8                                                      | .....                                                    | 1                                                 | 13 3/8                            | 15/16          | 2 3/8            | 4.88                   |
| H1810  | 1 5/8                                 | 1                                                        | .....                                                      | 1 1/8                                                    | .....                                             | 15 1/4                            | 1 1/8          | 2 5/8            | 6.57                   |
| H1810A | 1 11/16                               | .....                                                    | 1 1/4                                                      | .....                                                    | 1 1/8                                             | 15 1/4                            | 1 1/8          | 2 5/8            | 6.57                   |
| H1811  | 1 13/16                               | 1 1/8                                                    | .....                                                      | 1 1/4                                                    | .....                                             | 17                                | 1 1/4          | 2 15/16          | 8.67                   |
| H1811A | 1 7/8                                 | .....                                                    | .....                                                      | .....                                                    | 1 1/4                                             | 17                                | 1 1/4          | 2 15/16          | 8.67                   |
| H1812  | 2                                     | 1 1/4                                                    | .....                                                      | 1 3/8                                                    | .....                                             | 19                                | 1 3/8          | 3 1/4            | 11.23                  |
| H1813  | 2 3/16                                | 1 3/8                                                    | .....                                                      | 1 1/2                                                    | .....                                             | 21                                | 1 1/2          | 3 1/2            | 14.23                  |
| H1813A | 2 1/4                                 | .....                                                    | .....                                                      | .....                                                    | 1 1/2                                             | 21                                | 1 1/2          | 3 1/2            | 14.23                  |
| H1814  | 2 3/8                                 | 1 1/2                                                    | .....                                                      | .....                                                    | .....                                             | 23                                | 1 5/8          | 3 3/4            | 17.75                  |
| H1815  | 2 9/16                                | 1 5/8                                                    | .....                                                      | .....                                                    | .....                                             | 25                                | 1 3/4          | 4 1/8            | 29.45                  |
| H1815A | 2 5/8                                 | .....                                                    | .....                                                      | .....                                                    | 1 3/4                                             | 25                                | 1 3/4          | 4 1/8            | 29.45                  |
| H1816  | 2 3/4                                 | 1 3/4                                                    | .....                                                      | .....                                                    | .....                                             | 27                                | 1 7/8          | 4 9/16           | 42.22                  |
| H1817A | 3                                     | .....                                                    | .....                                                      | .....                                                    | 2                                                 | 30                                | 2              | 4 13/16          | 57.75                  |
| H1817  | 3 1/8                                 | 2                                                        | .....                                                      | .....                                                    | .....                                             | 30                                | 2              | 4 13/16          | 57.75                  |

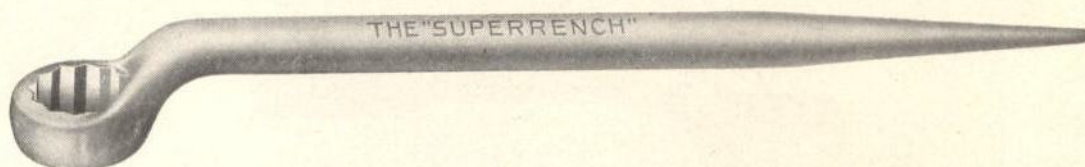
Weights: see numerical index.

◆ REGISTERED TRADE MARK

3-49

WILLIAMS' ♦"SUPERRENCHES"  
Selected Alloy Steel

STRUCTURAL BOX PATTERN  
With 12-Point Openings



This Williams' Structural Box "Superrench" is designed to bring greater safety to structural work. The 12-point Box Head insures a firm hold on the nut and it is offset to give maximum clearance. The long sturdy tapered handle provides ample strength and leverage, and can easily be inserted into bolt holes to bring them into line.

These rugged wrenches are also adapted to heavy industrial and automotive work where unusual leverage is necessary.

Drop-forged from Selected Alloy Steel, heat-treated, and finished in baked gray enamel all over.

| No.   | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | Extreme Length, Approx. | Head      |                  | Handle Offset |         | List Price, Each |
|-------|------------------|------------------------------------------|-------------------------|-----------|------------------|---------------|---------|------------------|
|       |                  |                                          |                         | Thickness | Outside Diameter | At Head       | At End  |                  |
| 8905A | 13/16            | .....                                    | 12                      | 5/8       | 1 15/32          | 1 1/8         | 1 25/32 | \$2.70           |
| 8905  | 7/8              | 1/2                                      | 12                      | 5/8       | 1 15/32          | 1 1/8         | 1 25/32 | 2.70             |
| 8906  | 15/16            | 9/16                                     | 12                      | 3/4       | 1 5/8            | 1 1/4         | 1 61/64 | 2.98             |
| 8906B | 1                | .....                                    | 12                      | 3/4       | 1 5/8            | 1 1/4         | 1 61/64 | 2.98             |
| 8907  | 1 1/16           | 5/8                                      | 15                      | 13/16     | 1 53/64          | 1 5/16        | 2 9/64  | 3.06             |
| 8907A | 1 1/8            | .....                                    | 15                      | 13/16     | 1 53/64          | 1 5/16        | 2 9/64  | 3.15             |
| 8908  | 1 1/4            | 3/4                                      | 17                      | 7/8       | 2 5/64           | 1 7/16        | 2 21/64 | 3.31             |
| 8908A | 1 5/16           | .....                                    | 17                      | 7/8       | 2 5/64           | 1 7/16        | 2 21/64 | 3.31             |
| 8909  | 1 7/16           | 7/8                                      | 21                      | 1         | 2 3/8            | 1 1/2         | 2 3/4   | 4.39             |
| 8909A | 1 1/2            | .....                                    | 21                      | 1         | 2 3/8            | 1 1/2         | 2 3/4   | 4.72             |
| 8910  | 1 5/8            | 1                                        | 22                      | 1 1/16    | 2 5/8            | 1 5/8         | 2 7/8   | 5.13             |
| 8910A | 1 11/16          | .....                                    | 22                      | 1 1/16    | 2 5/8            | 1 5/8         | 2 7/8   | 5.30             |
| 8911  | 1 13/16          | 1 1/8                                    | 23                      | 1 1/8     | 2 29/32          | 1 11/16       | 3       | 5.46             |
| 8911A | 1 7/8            | .....                                    | 23                      | 1 1/8     | 2 29/32          | 1 11/16       | 3       | 5.63             |
| 8912  | 2                | 1 1/4                                    | 24 1/2                  | 1 1/4     | 3 5/32           | 1 13/16       | 3 5/32  | 5.80             |
| 8913  | 2 3/16           | 1 3/8                                    | 26                      | 1 3/8     | 3 15/32          | 2             | 3 1/2   | 7.61             |
| 8914  | 2 3/8            | 1 1/2                                    | 28                      | 1 1/2     | 3 23/32          | 2 1/8         | 3 11/16 | 8.61             |
| 8915  | 2 9/16           | 1 5/8                                    | 30                      | 1 5/8     | 3 29/32          | 2 1/4         | 3 13/16 | 9.78             |
| 8916  | 2 3/4            | 1 3/4                                    | 30                      | 1 3/4     | 4 5/32           | 2 3/8         | 3 29/32 | 11.40            |

NOTE: These Wrenches can be supplied with heads bent up to 90° right or left of handle at extra charge.  
Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERRENCHES"  
Selected Alloy Steel

STRIKING FACE BOX—OFFSET PATTERN

With 12-Point Openings



The Striking Face Box "Superrench" is particularly well adapted for heavy industrial and automotive work in close quarters where large nuts must be set up tight or frozen nuts loosened.

Offset head gives ample nut clearance. Drop-forged from Selected Alloy Steel, properly heat-treated to withstand the necessary shocks. Finished in baked gray enamel all over.

| No.   | Nominal<br>Openings | Amer. Std.<br>HEAVY Nut<br>(U.S.S.);<br>Size Bolt | Amer. Std.<br>LIGHT Nut<br>(S.A.E.);<br>Size Bolt | Amer. Std.<br>REGULAR<br>Nut;<br>Size Bolt | Ex-<br>treme<br>Length<br>Approx. | Head           |                     | LIST<br>PRICE,<br>Each |
|-------|---------------------|---------------------------------------------------|---------------------------------------------------|--------------------------------------------|-----------------------------------|----------------|---------------------|------------------------|
|       |                     |                                                   |                                                   |                                            |                                   | Thick-<br>ness | Outside<br>Diameter |                        |
| 8807  | 1 1/16              | 5/8                                               | 3/4                                               | .....                                      | 10 1/2                            | 13/16          | 1 27/32             | \$4.72                 |
| 8807A | 1 1/8               | .....                                             | .....                                             | 3/4                                        | 10 1/2                            | 13/16          | 1 27/32             | 4.80                   |
| 8808  | 1 1/4               | 3/4                                               | 7/8                                               | .....                                      | 11                                | 7/8            | 2 3/32              | 4.97                   |
| 8808A | 1 5/16              | .....                                             | .....                                             | 7/8                                        | 11                                | 7/8            | 2 3/32              | 5.30                   |
| 8809  | 1 7/16              | 7/8                                               | 1                                                 | .....                                      | 11 1/2                            | 1              | 2 3/8               | 6.05                   |
| 8809A | 1 1/2               | .....                                             | .....                                             | 1                                          | 11 1/2                            | 1              | 2 3/8               | 6.37                   |
| 8810  | 1 5/8               | 1                                                 | 1 1/8                                             | .....                                      | 12                                | 1 1/16         | 2 5/8               | 6.80                   |
| 8810A | 1 11/16             | .....                                             | .....                                             | 1 1/8                                      | 12                                | 1 1/16         | 2 5/8               | 6.90                   |
| 8811  | 1 13/16             | 1 1/8                                             | 1 1/4                                             | .....                                      | 12 1/2                            | 1 1/8          | 2 29/32             | 7.13                   |
| 8811A | 1 7/8               | .....                                             | .....                                             | 1 1/4                                      | 12 1/2                            | 1 1/8          | 2 29/32             | 7.29                   |
| 8812  | 2                   | 1 1/4                                             | 1 3/8                                             | .....                                      | 13                                | 1 1/4          | 3 5/32              | 7.45                   |
| 8813  | 2 3/16              | 1 3/8                                             | 1 1/2                                             | .....                                      | 13 1/2                            | 1 3/8          | 3 15/32             | 9.28                   |
| 8813A | 2 1/4               | .....                                             | .....                                             | 1 1/2                                      | 13 1/2                            | 1 3/8          | 3 15/32             | 9.28                   |
| 8814  | 2 3/8               | 1 1/2                                             | .....                                             | .....                                      | 14                                | 1 1/2          | 3 23/32             | 10.27                  |
| 8815  | 2 9/16              | 1 5/8                                             | .....                                             | .....                                      | 14 1/2                            | 1 5/8          | 3 29/32             | 11.42                  |
| 8815A | 2 5/8               | .....                                             | .....                                             | 1 3/4                                      | 14 1/2                            | 1 5/8          | 3 29/32             | 11.42                  |
| 8816  | 2 3/4               | 1 3/4                                             | .....                                             | .....                                      | 15                                | 1 3/4          | 4 5/32              | 15.55                  |
| 8816B | 2 15/16             | 1 7/8                                             | .....                                             | .....                                      | 16                                | 1 7/8          | 4 21/32             | 17.37                  |
| 8817A | 3                   | .....                                             | .....                                             | 2                                          | 16 1/2                            | 2              | 4 15/16             | 20.53                  |
| 8817  | 3 1/8               | 2                                                 | .....                                             | .....                                      | 16 1/2                            | 2              | 4 15/16             | 20.53                  |

Weights: see numerical index.

♦ REGISTERED TRADE MARK

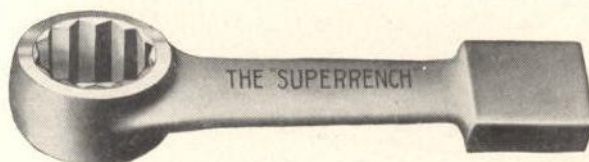
3-49

WILLIAMS' ♦ "SUPERRENCHES"

*Selected Alloy Steel*

HEAVY STRIKING FACE 12-POINT BOX PATTERNS

12-Point Opening—7-1/2° Angle—For Close Quarters



These Striking Face "Superrenches," with thin head walls, are particularly efficient in close quarters where large nuts must be set up tight, or frozen nuts loosened. They grip nuts on six sides and prevent slipping. The heads, approximately as thick as the nuts they handle, afford extra strength and full bearing in severe service. Will rotate hex nuts where the wrench can be swung only 15°—HALF the space required by conventional wrenches. Drop-forged from Selected Alloy Steel—heat-treated. Finished in baked gray enamel all over.

| No.       | Nominal<br>Opening<br>Across<br>Flats | For<br>Amer. Std.<br>HEAVY Nut<br>(U.S.S.);<br>Size Bolt | For<br>Amer. Std.<br>Hex Head<br>Cap Screws;<br>Diam. Screw | For<br>Amer. Std.<br>LIGHT Nut<br>(S.A.E.);<br>Size Bolt | For<br>Amer. Std.<br>REGULAR<br>Nut;<br>Size Bolt | Ex-<br>treme<br>Length,<br>Approx. | Head *         |                  | List<br>Price,<br>Each |
|-----------|---------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|------------------------------------|----------------|------------------|------------------------|
|           |                                       |                                                          |                                                             |                                                          |                                                   |                                    | Thick-<br>ness | Outside<br>Diam. |                        |
| SFH-1808  | 1 1/4                                 | 3/4                                                      |                                                             | 7/8                                                      |                                                   | 7                                  | 13/16          | 2 1/16           | \$ 6.56                |
| SFH-1808A | 1 5/16                                |                                                          | 1                                                           |                                                          | 7/8                                               | 7                                  | 13/16          | 2 1/16           | 6.56                   |
| SFH-1809  | 1 7/16                                | 7/8                                                      |                                                             | 1                                                        |                                                   | 8                                  | 15/16          | 2 3/8            | 6.73                   |
| SFH-1809A | 1 1/2                                 |                                                          | 1 1/8                                                       |                                                          | 1                                                 | 8                                  | 15/16          | 2 3/8            | 6.90                   |
| SFH-1810  | 1 5/8                                 | 1                                                        |                                                             | 1 1/8                                                    |                                                   | 9                                  | 1 1/8          | 2 5/8            | 11.42                  |
| SFH-1810A | 1 11/16                               |                                                          | 1 1/4                                                       |                                                          | 1 1/8                                             | 9                                  | 1 1/8          | 2 5/8            | 12.21                  |
| SFH-1811  | 1 13/16                               | 1 1/8                                                    |                                                             | 1 1/4                                                    |                                                   | 10                                 | 1 1/4          | 2 15/16          | 12.94                  |
| SFH-1811A | 1 7/8                                 |                                                          |                                                             |                                                          | 1 1/4                                             | 10                                 | 1 1/4          | 2 15/16          | 13.73                  |
| SFH-1812  | 2                                     | 1 1/4                                                    |                                                             | 1 3/8                                                    |                                                   | 11                                 | 1 3/8          | 3 1/4            | 14.49                  |
| SFH-1813  | 2 3/16                                | 1 3/8                                                    |                                                             | 1 1/2                                                    |                                                   | 12                                 | 1 1/2          | 3 1/2            | 15.25                  |
| SFH-1813A | 2 1/4                                 |                                                          |                                                             |                                                          | 1 1/2                                             | 12                                 | 1 1/2          | 3 1/2            | 16.01                  |
| SFH-1814  | 2 3/8                                 | 1 1/2                                                    |                                                             |                                                          |                                                   | 13                                 | 1 5/8          | 3 3/4            | 19.84                  |
| SFH-1815  | 2 9/16                                | 1 5/8                                                    |                                                             |                                                          |                                                   | 14                                 | 1 3/4          | 4 1/8            | 20.63                  |
| SFH-1815A | 2 5/8                                 |                                                          |                                                             |                                                          | 1 3/4                                             | 14                                 | 1 3/4          | 4 1/8            | 21.39                  |
| SFH-1816  | 2 3/4                                 | 1 3/4                                                    |                                                             |                                                          |                                                   | 15                                 | 1 7/8          | 4 9/16           | 22.15                  |
| SFH-1817A | 3                                     |                                                          |                                                             |                                                          | 2                                                 | 17                                 | 2              | 4 13/16          | 26.74                  |
| SFH-1817  | 3 1/8                                 | 2                                                        |                                                             |                                                          |                                                   | 17                                 | 2              | 4 13/16          | 27.53                  |

Weights: see numerical index

♦ REGISTERED TRADE MARK

## WILLIAMS' 12-POINT-BOX "SUPERRENCHES" Selected Alloy Steel

### 15° ANGLE OFFSET PATTERNS

Nos. 6723 to 6727



Nos. 7723 to 7742

These 12-Point Box "Superrenches" are particularly well adapted to work in close quarters. Thin head walls permit use where clearance is extremely limited. The openings grip hex nuts on six sides, preventing all slipping and rounding of the nut's corners. The Long Pattern provides unusual reach and leverage.

Each head has a 12-point opening; consequently, hex nuts can be completely rotated where the swing of the wrench is limited to 30°—less than 1/10 of a full turn.

GENUINE "SUPERRENCHES," forged from Selected Alloy Steel—heat-treated.

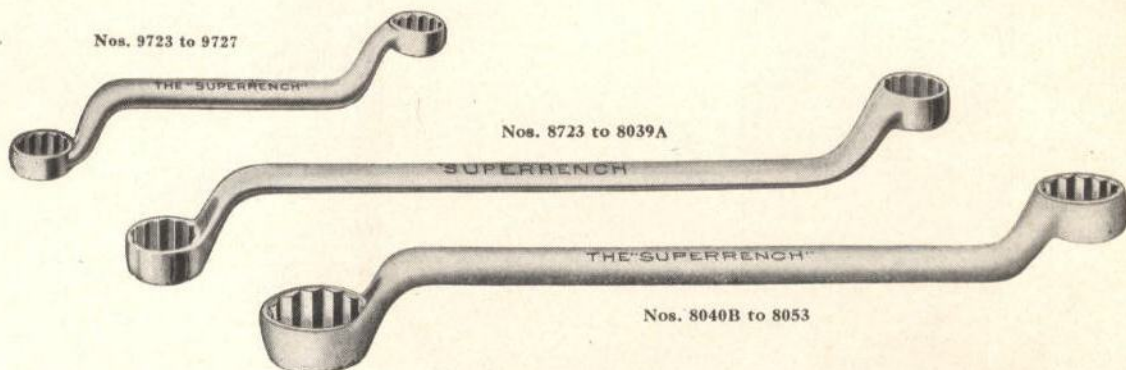
Finish—Chrome plate over nickel, heads bright.

| No.                                                 | Nominal Openings | For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolt | For Amer. Std. Hex Head Cap Screws; Diam. Screws | For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts | For Amer. Std. REGULAR Nuts; Size Bolts | Extreme Length, Approx. | LIST PRICE, Each | No.   |
|-----------------------------------------------------|------------------|-----------------------------------------------|--------------------------------------------------|------------------------------------------------|-----------------------------------------|-------------------------|------------------|-------|
| <b>LONG PATTERN—Different Opening in Each Head</b>  |                  |                                               |                                                  |                                                |                                         |                         |                  |       |
| 7723                                                | 3/8 & 7/16       |                                               | 3/16 & 1/4                                       |                                                | 1/4                                     | 7 3/8                   | \$ .95           | 7723  |
| 7725                                                | 7/16 & 1/2       | 1/4                                           | 1/4 & 5/16                                       | 1/4 & 5/16                                     | 1/4                                     | 7 3/4                   | .95              | 7725  |
| 7725A                                               | 7/16 & 9/16      |                                               | 1/4 & 3/8                                        | 1/4 & 3/8                                      | 1/4 & 5/16                              | 8 1/4                   | .99              | 7725A |
| 7725B                                               | 1/2 & 9/16       | 1/4                                           | 5/16 & 3/8                                       | 5/16 & 3/8                                     | 5/16                                    | 8 1/4                   | .99              | 7725B |
| 7025                                                | 1/2 & 19/32      | 1/4 & 5/16                                    | 5/16                                             | 5/16                                           |                                         | 8 1/4                   | 1.06             | 7025  |
| 7727                                                | 9/16 & 5/8       |                                               | 3/8 & 7/16                                       | 3/8 & 7/16                                     | 5/16 & 3/8                              | 9 1/4                   | 1.08             | 7727  |
| 7027                                                | 19/32 & 11/16    | 5/16 & 3/8                                    |                                                  |                                                |                                         | 10 1/2                  | 1.31             | 7027  |
| 7727A                                               | 5/8 & 11/16      | 3/8                                           | 7/16                                             | 7/16                                           | 3/8                                     | 10 1/2                  | 1.31             | 7727A |
| 7729                                                | 5/8 & 3/4        |                                               | 7/16 & 1/2                                       | 7/16 & 1/2                                     | 3/8 & 7/16                              | 10 1/2                  | 1.24             | 7729  |
| 7029B                                               | 11/16 & 3/4      | 3/8                                           | 1/2                                              | 1/2                                            | 7/16                                    | 10 1/2                  | 1.39             | 7029B |
| 7029                                                | 11/16 & 25/32    | 3/8 & 7/16                                    |                                                  |                                                |                                         | 10 1/2                  | 1.46             | 7029  |
| 7729A                                               | 3/4 & 25/32      | 7/16                                          | 1/2                                              | 1/2                                            | 7/16                                    | 12                      | 1.54             | 7729A |
| 7731A                                               | 3/4 & 7/8        | 1/2                                           | 1/2 & 5/8                                        | 1/2 & 9/16                                     | 7/16 & 9/16                             | 12                      | 1.54             | 7731A |
| 7031B                                               | 25/32 & 13/16    | 7/16                                          | 9/16                                             |                                                | 1/2                                     | 12                      | 1.69             | 7031B |
| 7031                                                | 25/32 & 7/8      | 7/16 & 1/2                                    | 5/8                                              | 9/16                                           | 9/16                                    | 12                      | 1.69             | 7031  |
| 7731B                                               | 13/16 & 7/8      | 1/2                                           | 9/16 & 5/8                                       | 9/16                                           | 1/2 & 9/16                              | 12                      | 1.69             | 7731B |
| 7033A                                               | 7/8 & 15/16      | 1/2 & 9/16                                    | 5/8                                              | 9/16 & 5/8                                     | 9/16                                    | 13 3/4                  | 2.67             | 7033A |
| 7733                                                | 7/8 & 1          | 1/2                                           | 5/8 & 3/4                                        | 9/16                                           | 9/16 & 5/8                              | 13 3/4                  | 2.67             | 7733  |
| 7033C                                               | 15/16 & 1        | 9/16                                          | 3/4                                              | 5/8                                            | 5/8                                     | 13 3/4                  | 2.67             | 7033C |
| 7034A                                               | 15/16 & 1 1/16   | 9/16 & 5/8                                    |                                                  | 5/8 & 3/4                                      |                                         | 15 1/2                  | 3.04             | 7034A |
| 7735                                                | 1 & 1 1/8        |                                               | 3/4 & 7/8                                        |                                                | 5/8 & 3/4                               | 17 1/4                  | 3.04             | 7735  |
| 7735A                                               | 1 1/16 & 1 1/8   | 5/8                                           | 7/8                                              | 3/4                                            | 3/4                                     | 17 1/4                  | 3.04             | 7735A |
| 7037                                                | 1 1/16 & 1 1/4   | 5/8 & 3/4                                     |                                                  | 3/4 & 7/8                                      |                                         | 17 1/4                  | 3.40             | 7037  |
| 7037A                                               | 1 1/8 & 1 5/16   |                                               | 7/8 & 1                                          |                                                | 3/4 & 7/8                               | 19                      | 3.52             | 7037A |
| 7039B                                               | 1 1/4 & 1 5/16   | 3/4                                           | 1                                                | 7/8                                            | 7/8                                     | 19                      | 3.52             | 7039B |
| 7039                                                | 1 1/4 & 1 7/16   | 3/4 & 7/8                                     |                                                  | 7/8 & 1                                        |                                         | 19                      | 4.03             | 7039  |
| 7039A                                               | 1 5/16 & 1 1/2   |                                               | 1 & 1 1/8                                        |                                                | 7/8 & 1                                 | 19                      | 4.03             | 7039A |
| 7040B                                               | 1 7/16 & 1 1/2   | 7/8                                           | 1 1/8                                            | 1                                              | 1                                       | 21                      | 4.75             | 7040B |
| 7041                                                | 1 7/16 & 1 5/8   | 7/8 & 1                                       |                                                  | 1 & 1 1/8                                      |                                         | 23                      | 5.85             | 7041  |
| 7742B                                               | 1 1/2 & 1 11/16  |                                               | 1 1/8 & 1 1/4                                    | 1                                              | 1 & 1 1/8                               | 23                      | 5.85             | 7742B |
| <b>SHORT PATTERN—Different Opening in Each Head</b> |                  |                                               |                                                  |                                                |                                         |                         |                  |       |
| 6723                                                | 3/8 & 7/16       |                                               | 3/16 & 1/4                                       |                                                | 1/4                                     | 4 1/2                   | \$ .95           | 6723  |
| 6725                                                | 7/16 & 1/2       | 1/4                                           | 1/4 & 5/16                                       | 1/4 & 5/16                                     | 1/4                                     | 5 1/2                   | .95              | 6725  |
| 6725A                                               | 7/16 & 9/16      |                                               | 1/4 & 3/8                                        | 1/4 & 3/8                                      | 1/4 & 5/16                              | 5 1/2                   | .99              | 6725A |
| 6725B                                               | 1/2 & 9/16       | 1/4                                           | 5/16 & 3/8                                       | 5/16 & 3/8                                     | 5/16                                    | 5 1/2                   | .99              | 6725B |
| 6025                                                | 1/2 & 19/32      | 1/4 & 5/16                                    | 5/16                                             | 5/16                                           |                                         | 5 1/2                   | .99              | 6025  |
| 6727                                                | 9/16 & 5/8       |                                               | 3/8 & 7/16                                       | 3/8 & 7/16                                     | 5/16 & 3/8                              | 6                       | 1.09             | 6727  |

Weights: see numerical index.

♦ REGISTERED TRADE MARK

## WILLIAMS' 12-POINT-BOX "SUPERRENCHES" Selected Alloy Steel DOUBLE OFFSET PATTERNS



These 12-Point Box "Superrenches" are particularly well adapted to work in close quarters. Thin head walls permit use where clearance is extremely limited. The openings grip hex nuts on six sides, preventing all slipping and rounding of the nut's corners. The Long Pattern provides unusual reach and leverage.

Each head has a 12-point opening; consequently, hex nuts can be completely rotated where the swing of the wrench is limited to 30°—less than 1/10 of a full turn.

Ideal for use on Connecting Rods, Main Bearings, Base, Cylinder Heads, Spring Clips and in awkward places. GENUINE "SUPERRENCHES," forged from Selected Alloy Steel—heat-treated.

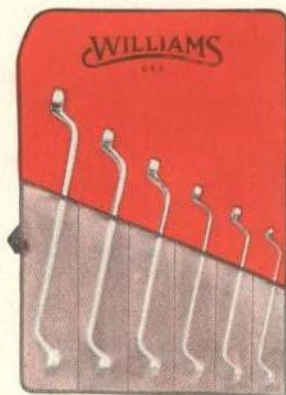
**Finish**—Chrome plate over nickel, heads bright. Nos. 8040B through 8053, Baked Gray Enamel. Supplied in Whitworth Standard and Metric sizes also; see page 161.

| No.                                                 | Nominal Openings | For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt | For Amer. Std. Hex Head Cap Screws; Diam. Screws | For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt | For Amer. Std. REGULAR Nut; Size Bolt | Extreme Length, Approx. | LIST PRICE, Each | No.   |
|-----------------------------------------------------|------------------|----------------------------------------------|--------------------------------------------------|----------------------------------------------|---------------------------------------|-------------------------|------------------|-------|
| <b>LONG PATTERN—Different Opening in Each Head</b>  |                  |                                              |                                                  |                                              |                                       |                         |                  |       |
| 8723                                                | 3/8 & 7/16       |                                              | 3/16 & 1/4                                       | 1/4 & 5/16                                   | 1/4                                   | 7 3/4                   | \$1.01           | 8723  |
| 8725                                                | 7/16 & 1/2       | 1/4                                          | 1/4 & 5/16                                       | 1/4 & 5/16                                   | 1/4                                   | 8 1/4                   | 1.01             | 8725  |
| 8725A                                               | 7/16 & 9/16      |                                              | 1/4 & 3/8                                        | 1/4 & 3/8                                    | 1/4 & 5/16                            | 8 3/4                   | 1.12             | 8725A |
| 8725B                                               | 1/2 & 9/16       | 1/4                                          | 5/16 & 3/8                                       | 5/16 & 3/8                                   | 5/16                                  | 8 3/4                   | 1.12             | 8725B |
| 8025                                                | 1/2 & 19/32      | 1/4 & 5/16                                   | 5/16                                             | 5/16                                         | 5/16                                  | 8 3/4                   | 1.12             | 8025  |
| 8027                                                | 9/16 & 5/8       |                                              | 3/8 & 7/16                                       | 3/8 & 7/16                                   | 5/16 & 3/8                            | 9 3/4                   | 1.17             | 8027  |
| 8727A                                               | 19/32 & 11/16    | 5/16 & 3/8                                   | 7/16                                             | 7/16                                         | 3/8                                   | 11                      | 1.30             | 8727A |
| 8727B                                               | 5/8 & 11/16      | 3/8                                          | 7/16                                             | 7/16                                         | 3/8 & 7/16                            | 11                      | 1.30             | 8727B |
| 8729                                                | 5/8 & 3/4        |                                              | 7/16 & 1/2                                       | 7/16 & 1/2                                   | 3/8 & 7/16                            | 11                      | 1.30             | 8729  |
| 8029B                                               | 11/16 & 3/4      | 3/8                                          | 1/2                                              | 1/2                                          | 7/16                                  | 11                      | 1.41             | 8029B |
| 8029                                                | 11/16 & 25/32    | 3/8 & 7/16                                   |                                                  |                                              |                                       | 11                      | 1.41             | 8029  |
| 8729A                                               | 3/4 & 25/32      | 7/16                                         | 1/2                                              | 1/2                                          | 7/16 & 9/16                           | 12 1/2                  | 1.41             | 8729A |
| 8731A                                               | 3/4 & 7/8        | 1/2                                          | 1/2 & 5/8                                        | 1/2 & 9/16                                   | 7/16 & 9/16                           | 12 1/2                  | 1.41             | 8731A |
| 8031B                                               | 25/32 & 13/16    | 7/16                                         | 9/16                                             | 9/16                                         | 1/2                                   | 12 1/2                  | 1.41             | 8031B |
| 8031                                                | 25/32 & 7/8      | 7/16 & 1/2                                   | 5/8                                              | 9/16                                         | 9/16                                  | 12 1/2                  | 1.41             | 8031  |
| 8731B                                               | 13/16 & 7/8      | 1/2                                          | 9/16 & 5/8                                       | 9/16                                         | 1/2 & 9/16                            | 12 1/2                  | 1.75             | 8731B |
| 8033A                                               | 7/8 & 15/16      | 1/2 & 9/16                                   | 5/8                                              | 9/16 & 5/8                                   | 9/16                                  | 13 1/2                  | 2.05             | 8033A |
| 8733                                                | 7/8 & 1          | 1/2                                          | 5/8 & 3/4                                        | 9/16                                         | 9/16 & 5/8                            | 13 1/2                  | 2.05             | 8733  |
| 8033C                                               | 15/16 & 1        | 9/16                                         | 3/4                                              | 5/8                                          | 5/8                                   | 14 1/2                  | 2.05             | 8033C |
| 8034A                                               | 15/16 & 1 1/16   | 9/16 & 5/8                                   |                                                  | 5/8 & 3/4                                    |                                       | 15 1/2                  | 3.10             | 8034A |
| 8735                                                | 1 & 1 1/8        |                                              | 3/4 & 7/8                                        | 3/4                                          | 5/8 & 3/4                             | 17                      | 3.42             | 8735  |
| 8735A                                               | 1 1/16 & 1 1/8   | 5/8                                          | 7/8                                              | 3/4                                          | 3/4                                   | 17                      | 3.42             | 8735A |
| 8037                                                | 1 1/16 & 1 1/4   | 5/8 & 3/4                                    |                                                  | 3/4 & 7/8                                    |                                       | 17                      | 3.42             | 8037  |
| 8737A                                               | 1 1/8 & 1 5/16   |                                              | 7/8 & 1                                          |                                              | 3/4 & 7/8                             | 19                      | 3.42             | 8737A |
| 8039B                                               | 1 1/4 & 1 5/16   | 3/4                                          | 1                                                | 7/8                                          | 7/8                                   | 19                      | 4.52             | 8039B |
| 8039                                                | 1 1/4 & 1 7/16   | 3/4 & 7/8                                    |                                                  | 7/8 & 1                                      |                                       | 19                      | 4.52             | 8039  |
| 8039A                                               | 1 5/16 & 1 1/2   | 1 & 1 1/8                                    |                                                  | 7/8 & 1                                      |                                       | 19                      | 4.52             | 8039A |
| <b>FOR HEAVY SERVICE—LONG PATTERN—Round Handle</b>  |                  |                                              |                                                  |                                              |                                       |                         |                  |       |
| 8040B                                               | 1 7/16 & 1 1/2   | 7/8                                          | 1 1/8                                            | 1                                            | 1                                     | 21                      | 4.69             | 8040B |
| 8041                                                | 1 7/16 & 1 5/8   | 7/8 & 1                                      |                                                  | 1 & 1 1/8                                    |                                       | 23                      | 4.68             | 8041  |
| 8742B                                               | 1 1/2 & 1 11/16  |                                              | 1 1/8 & 1 1/4                                    |                                              | 1 & 1 1/8                             | 23                      | 4.68             | 8742B |
| 8045                                                | 1 13/16 & 2      | 1 1/8 & 1 1/4                                |                                                  | 1 1/4 & 1 3/8                                |                                       | 25                      | 8.10             | 8045  |
| 8049                                                | 2 3/16 & 2 3/8   | 1 3/8 & 1 1/2                                |                                                  | 1 1/2                                        |                                       | 27                      | 10.32            | 8049  |
| 8053                                                | 2 9/16 & 2 3/4   | 1 5/8 & 1 3/4                                |                                                  |                                              |                                       | 30                      | 17.00            | 8053  |
| <b>SHORT PATTERN—Different Opening in Each Head</b> |                  |                                              |                                                  |                                              |                                       |                         |                  |       |
| 9723                                                | 3/8 & 7/16       |                                              | 3/16 & 1/4                                       | 1/4 & 5/16                                   | 1/4                                   | 4 1/2                   | .90              | 9723  |
| 9725                                                | 7/16 & 1/2       | 1/4                                          | 1/4 & 5/16                                       | 1/4 & 5/16                                   | 1/4                                   | 5 1/2                   | .97              | 9725  |
| 9725A                                               | 7/16 & 9/16      |                                              | 1/4 & 3/8                                        | 1/4 & 3/8                                    | 1/4 & 5/16                            | 5 1/2                   | .97              | 9725A |
| 9725B                                               | 1/2 & 9/16       | 1/4                                          | 5/16 & 3/8                                       | 5/16 & 3/8                                   | 5/16                                  | 5 1/2                   | .97              | 9725B |
| 9025                                                | 1/2 & 19/32      | 1/4 & 5/16                                   | 5/16                                             | 5/16                                         | 5/16                                  | 5 1/2                   | .97              | 9025  |
| 9727                                                | 9/16 & 5/8       |                                              | 3/8 & 7/16                                       | 3/8 & 7/16                                   | 5/16 & 3/8                            | 6                       | 1.07             | 9727  |

Weights: see numerical index.

♦ REGISTERED TRADE MARK

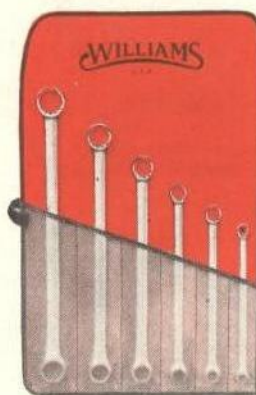
## 12-POINT BOX + "SUPERRENCH" SETS Selected Alloy Steel



**SET No. 8006**  
**LIST PRICES**  
In Leatherette Roll, **\$9.97**  
In Cardboard Box, **8.17**  
Roll Only, **1.80**

### CONTENTS

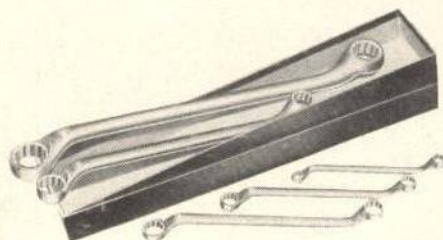
| No.   | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGULAR Nut | Length Approx. |
|-------|------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|----------------|
| 8723  | 3/8 & 7/16       |                               | 3/16 & 1/4                    | 1/4                           | 1/4                    | 7-3/4          |
| 8025  | 1/2 & 19/32      | 1/4 & 5/16                    | 5/16                          | 5/16                          |                        | 8-3/4          |
| 8727  | 9/16 & 5/8       |                               | 3/8 & 7/16                    | 3/8 & 7/16                    | 5/16 & 3/8             | 9-3/4          |
| 8029  | 11/16 & 25/32    | 3/8 & 7/16                    |                               |                               |                        | 11             |
| 8731A | 3/4 & 7/8        | 1/2                           | 1/2 & 5/8                     | 1/2 & 9/16                    | 7/16 & 9/16            | 12-1/2         |
| 8033C | 15/16 & 1        | 9/16                          | 3/4 & 5/8                     | 5/8                           |                        | 14-1/2         |



**SET No. 7006**  
**LIST PRICES**  
In Leatherette Roll, **\$10.26**  
In Cardboard Box, **8.76**  
Roll Only, **1.50**

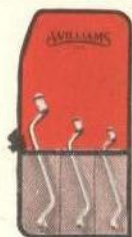
### CONTENTS

| No.   | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGULAR Nut | Length Approx. |
|-------|------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|----------------|
| 7723  | 3/8 & 7/16       |                               | 3/16 & 1/4                    | 1/4                           | 1/4                    | 7-3/8          |
| 7025  | 1/2 & 19/32      | 1/4 & 5/16                    | 5/16                          | 5/16                          |                        | 8-1/4          |
| 7727  | 9/16 & 5/8       |                               | 3/8 & 7/16                    | 3/8 & 7/16                    | 5/16 & 3/8             | 9-1/4          |
| 7029  | 11/16 & 25/32    | 3/8 & 7/16                    |                               |                               |                        | 10-1/2         |
| 7731A | 3/4 & 7/8        | 1/2                           | 1/2 & 5/8                     | 1/2 & 9/16                    | 7/16 & 9/16            | 12             |
| 7033C | 15/16 & 1        | 9/16                          | 3/4 & 5/8                     | 5/8                           |                        | 13-3/4         |



**SET No. 8005A**  
**LIST PRICE**  
In Cardboard Box, **\$12.68**  
**CONTENTS**

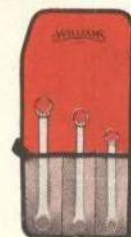
| No.   | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Length Approx. |
|-------|------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| 8025  | 1/2 & 19/32      | 1/4 & 5/16                    | 5/16                          | 5/16                          | 8-3/4          |
| 8029  | 11/16 & 25/32    | 3/8 & 7/16                    |                               |                               | 11             |
| 8033A | 7/8 & 15/16      | 1/2 & 9/16                    | 5/8                           | 9/16 & 5/8                    | 13-1/2         |
| 8037  | 1-1/16 & 1-1/4   | 5/8 & 3/4                     |                               | 3/4 & 7/8                     | 17             |
| 8041  | 1-7/16 & 1-5/8   | 7/8 & 1                       |                               | 1 & 1-1/8                     | 23             |



**SET No. 9703**  
**LIST PRICES**  
In Leatherette Roll, **\$3.69**  
In Cardboard Box, **2.94**  
Roll Only, **.75**

### CONTENTS

| No.  | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGULAR Nut | Length Approx. |
|------|------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|----------------|
| 9723 | 3/8 & 7/16       |                               | 3/16 & 1/4                    | 1/4                           | 1/4                    | 4-1/2          |
| 9725 | 7/16 & 1/2       | 1/4                           | 1/4 & 5/16                    | 1/4 & 5/16                    | 1/4                    | 5-1/2          |
| 9727 | 9/16 & 5/8       |                               | 3/8 & 7/16                    | 3/8 & 7/16                    | 5/16 & 3/8             | 6              |



**SET No. 6703**  
**LIST PRICES**  
In Leatherette Roll, **\$3.49**  
In Cardboard Box, **2.99**  
Roll Only, **.50**

### CONTENTS

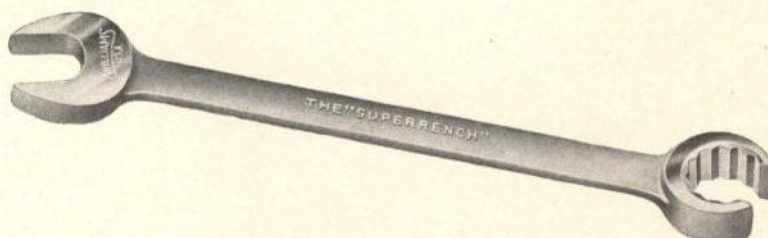
| No.  | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGULAR Nut | Length Approx. |
|------|------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|----------------|
| 6723 | 3/8 & 7/16       |                               | 3/16 & 1/4                    | 1/4                           | 1/4                    | 4-1/2          |
| 6725 | 7/16 & 1/2       | 1/4                           | 1/4 & 5/16                    | 1/4 & 5/16                    | 1/4                    | 5-1/2          |
| 6727 | 9/16 & 5/8       |                               | 3/8 & 7/16                    | 3/8 & 7/16                    | 5/16 & 3/8             | 6              |

Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERRENCHES"  
Selected Alloy Steel

## FLARE NUT PATTERN



Long and slender, these "Superrenches", combine two styles of head. They are designed especially for use on the non-ferrous flare nuts and fittings found on hydraulic and pneumatic tubing assemblies such as are encountered in air conditioning, automotive, aeronautical, diesel, marine and refrigeration work. Open-box end, has a 12-point opening offset 15° from plane of handle with a tube opening slot at 22-1/2° to the axis of the handle. Thick head face is an assurance against marred fittings in final tightening.

Open end is thin, with slim jaws and opening at angle of 15°. Designed especially for holding non-ferrous union fittings found in tubing work and fast adjustment of flare nuts before final tightening. Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated, heads buffed.

| No.  | OPEN END        |                | OPEN-BOX END    |                  |                |                     | Extreme Length, Approx. | List Price, Each |
|------|-----------------|----------------|-----------------|------------------|----------------|---------------------|-------------------------|------------------|
|      | Nominal Opening | Thickness Head | Nominal Opening | Outside Diameter | Thickness Head | Max. Tube Clearance |                         |                  |
| 1312 | 3/8             | 3/16           | 3/8             | 21/32            | 5/16           | 1/4                 | 5 5/8                   | \$1.20           |
| 1314 | 7/16            | 13/64          | 7/16            | 25/32            | 11/32          | 9/32                | 6                       | 1.23             |
| 1316 | 1/2             | 7/32           | 1/2             | 29/32            | 7/16           | 3/8                 | 6 3/8                   | 1.35             |
| 1318 | 9/16            | 15/64          | 9/16            | 31/32            | 7/16           | 7/16                | 6 7/8                   | 1.46             |
| 1320 | 5/8             | 1/4            | 5/8             | 1 1/64           | 1/2            | 15/32               | 7 5/8                   | 1.63             |
| 1322 | 11/16           | 5/16           | 11/16           | 1 9/32           | 9/16           | 9/16                | 8 3/4                   | 1.78             |
| 1324 | 3/4             | 5/16           | 3/4             | 1 9/32           | 9/16           | 9/16                | 8 3/4                   | 1.95             |
| 1328 | 7/8             | 11/32          | 7/8             | 1 7/16           | 5/8            | 11/16               | 9 1/4                   | 2.10             |
| 1332 | 1               | 3/8            | 1               | 1 19/32          | 11/16          | 3/4                 | 9 7/8                   | 2.25             |
| 1334 | 1 1/16          | 7/16           | 1 1/16          | 1 25/32          | 3/4            | 27/32               | 10 3/4                  | 2.51             |
| 1336 | 1 1/8           | 7/16           | 1 1/8           | 1 25/32          | 3/4            | 27/32               | 10 3/4                  | 2.51             |

Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERRENCHES"

*Selected Alloy Steel*

OPEN END-BOX PATTERN

For Close Quarters



These long, slender "Superrenches", combining two styles of head are designed especially for use in close quarters and tight corners.

Open end is thin, with slim jaws and opening at angle of 15°.

Box end, with 12-point opening and thin walls, is offset from plane of handle; see illustration.

Same size opening in both heads; **where one can not operate, the other will.** Each rotates hex nuts when the wrench can swing only 30°.

Drop-forged from Selected Alloy Steel, heat-treated, chrome-plated; faces of open end buffed.

Sold individually and in Sets.

| No.   | Nominal Openings | For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts | For Amer. Std. Hex Head Cap Screws; Diam. Screws | For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts | For Amer. Std. REGULAR Nuts; Size Bolts | Extreme Length, Approx. | LIST PRICE Each | No.   |
|-------|------------------|------------------------------------------------|--------------------------------------------------|------------------------------------------------|-----------------------------------------|-------------------------|-----------------|-------|
| 1159  | 5/16 & 5/16      | 1/8                                            | 1/8                                              | .....                                          | .....                                   | 4-3/8                   | \$ .93          | 1159  |
| 1159A | 11/32 & 11/32    | .....                                          | .....                                            | .....                                          | * No. 8                                 | 4-3/8                   | .93             | 1159A |
| 1160  | 3/8 & 3/8        | .....                                          | 3/16                                             | .....                                          | .....                                   | 5                       | .95             | 1160  |
| 1161  | 7/16 & 7/16      | .....                                          | 1/4                                              | 1/4                                            | 1/4                                     | 5-3/8                   | 1.05            | 1161  |
| 1162  | 1/2 & 1/2        | 1/4                                            | 5/16                                             | 5/16                                           | .....                                   | 6                       | 1.15            | 1162  |
| 1163  | 9/16 & 9/16      | .....                                          | 3/8                                              | 3/8                                            | 5/16                                    | 6-3/4                   | 1.24            | 1163  |
| 1163A | 19/32 & 19/32    | 5/16                                           | .....                                            | .....                                          | .....                                   | 6-3/4                   | 1.24            | 1163A |
| 1164  | 5/8 & 5/8        | .....                                          | 7/16                                             | 7/16                                           | 3/8                                     | 7-5/8                   | 1.38            | 1164  |
| 1165  | 11/16 & 11/16    | 3/8                                            | .....                                            | .....                                          | .....                                   | 8-1/2                   | 1.52            | 1165  |
| 1166  | 3/4 & 3/4        | .....                                          | 1/2                                              | 1/2                                            | 7/16                                    | 9-1/2                   | 1.70            | 1166  |
| 1166A | 25/32 & 25/32    | 7/16                                           | .....                                            | .....                                          | .....                                   | 9-1/2                   | 1.70            | 1166A |
| 1167A | 13/16 & 13/16    | .....                                          | 9/16                                             | .....                                          | 1/2                                     | 10-1/2                  | 1.78            | 1167A |
| 1167  | 7/8 & 7/8        | 1/2                                            | 5/8                                              | 9/16                                           | 9/16                                    | 10-1/2                  | 1.85            | 1167  |
| 1168  | 15/16 & 15/16    | 9/16                                           | .....                                            | 5/8                                            | .....                                   | 13                      | 2.08            | 1168  |
| 1170  | 1 & 1            | .....                                          | 3/4                                              | .....                                          | 5/8                                     | 13                      | 2.24            | 1170  |
| 1171  | 1-1/16 & 1-1/16  | 5/8                                            | .....                                            | 3/4                                            | .....                                   | 15                      | 2.70            | 1171  |
| 1172  | 1-1/8 & 1-1/8    | .....                                          | 7/8                                              | .....                                          | 3/4                                     | 15                      | 3.27            | 1172  |
| 1173  | 1-1/4 & 1-1/4    | 3/4                                            | .....                                            | 7/8                                            | .....                                   | 18                      | 3.63            | 1173  |
| 1174  | 1-5/16 & 1-5/16  | .....                                          | 1                                                | .....                                          | 7/8                                     | 18                      | 4.63            | 1174  |
| 1176  | 1-7/16 & 1-7/16  | 7/8                                            | .....                                            | 1                                              | .....                                   | 21                      | 5.03            | 1176  |

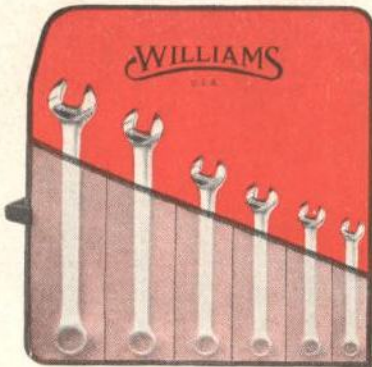
\*Amer. Std. Machine Screw and Stove Bolt Nuts.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

3-49

## WILLIAMS ♦ "SUPERRENCH" SETS Selected Alloy Steel

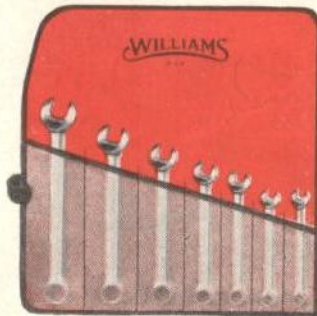


**SET No. 1170S**

**LIST PRICES**  
In Leatherette Roll, \$9.62  
In Cardboard Box, 8.37  
Roll Only, 1.25

**CONTENTS**

| No.  | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGULAR Nut | Length Approx. |
|------|------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|----------------|
| 1161 | 7/16 & 7/16      | .....                         | 1/4                           | 1/4                           | 1/4                    | 5-3/8          |
| 1162 | 1/2 & 1/2        | 1/4                           | 5/16                          | 5/16                          | .....                  | 6              |
| 1163 | 9/16 & 9/16      | .....                         | 3/8                           | 3/8                           | 5/16                   | 6-3/4          |
| 1164 | 5/8 & 5/8        | .....                         | 7/16                          | 7/16                          | 3/8                    | 7-5/8          |
| 1166 | 3/4 & 3/4        | .....                         | 1/2                           | 1/2                           | 7/16                   | 9-1/2          |
| 1167 | 7/8 & 7/8        | 1/2                           | 5/8                           | 9/16                          | 9/16                   | 10-1/2         |



**SET No. 1173S**

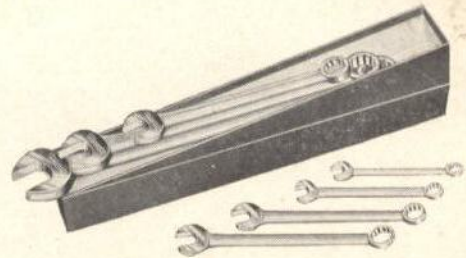
**LIST PRICES**  
In Leatherette Roll, \$9.28  
In Cardboard Box, 7.63  
Roll Only, 1.65

**CONTENTS**

| No.   | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGULAR Nut | Length Approx. |
|-------|------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|----------------|
| 1159  | 5/16 & 5/16      | 1/8                           | 1/8                           | .....                         | .....                  | 4-3/8          |
| 1159A | 11/32 & 11/32    | .....                         | .....                         | .....                         | *No. 8                 | 4-3/8          |
| 1160  | 3/8 & 3/8        | .....                         | 3/16                          | .....                         | .....                  | 5              |
| 1161  | 7/16 & 7/16      | .....                         | 1/4                           | 1/4                           | 1/4                    | 5-3/8          |
| 1162  | 1/2 & 1/2        | 1/4                           | 5/16                          | 5/16                          | .....                  | 6              |
| 1163  | 9/16 & 9/16      | .....                         | 3/8                           | 3/8                           | 5/16                   | 6-3/4          |
| 1164  | 5/8 & 5/8        | .....                         | 7/16                          | 7/16                          | 3/8                    | 7-5/8          |
| 1165  | 11/16 & 11/16    | .....                         | 3/8                           | .....                         | .....                  | 8-1/2          |
| 1166  | 3/4 & 3/4        | .....                         | 1/2                           | 1/2                           | 7/16                   | 9-1/2          |
| 1166A | 25/32 & 25/32    | .....                         | 7/16                          | .....                         | .....                  | 9-1/2          |
| 1167  | 7/8 & 7/8        | 1/2                           | 5/8                           | 9/16                          | 9/16                   | 10-1/2         |
| 1167A | 13/16 & 13/16    | .....                         | 9/16                          | .....                         | 1/2                    | 10-1/2         |
| 1168  | 15/16 & 15/16    | .....                         | 9/16                          | 5/8                           | .....                  | 13             |
| 1170  | 1 & 1            | .....                         | 3/4                           | .....                         | 5/8                    | 13             |
| 1171  | 1-1/16 & 1-1/16  | .....                         | 5/8                           | 3/4                           | .....                  | 15             |
| 1172  | 1-1/8 & 1-1/8    | .....                         | 7/8                           | .....                         | 3/4                    | 15             |
| 1173  | 1-1/4 & 1-1/4    | 3/4                           | .....                         | 7/8                           | .....                  | 18             |

\* Amer. Std. Machine Screw and Stove Bolt Nuts

♦ REGISTERED TRADE MARK

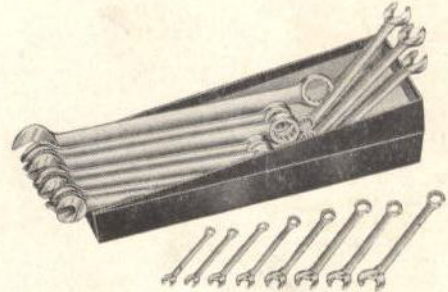


**SET No. 1171S**

**LIST PRICE**  
In Cardboard Box, \$13.79

**CONTENTS**

| No.   | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGULAR Nut | Length Approx. |
|-------|------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|----------------|
| 1162  | 1/2 & 1/2        | 1/4                           | 5/16                          | 5/16                          | .....                  | 6              |
| 1163A | 19/32 & 19/32    | 5/16                          | .....                         | .....                         | .....                  | 6-3/4          |
| 1165  | 11/16 & 11/16    | 3/8                           | .....                         | .....                         | .....                  | 8-1/2          |
| 1166A | 25/32 & 25/32    | 7/16                          | .....                         | .....                         | .....                  | 9-1/2          |
| 1167  | 7/8 & 7/8        | 1/2                           | 5/8                           | 9/16                          | 9/16                   | 10-1/2         |
| 1171  | 1-1/16 & 1-1/16  | 5/8                           | .....                         | 3/4                           | .....                  | 15             |
| 1173  | 1-1/4 & 1-1/4    | 3/4                           | .....                         | 7/8                           | .....                  | 18             |



**SET No. 1172S**

**LIST PRICE**  
In Cardboard Box, \$31.34

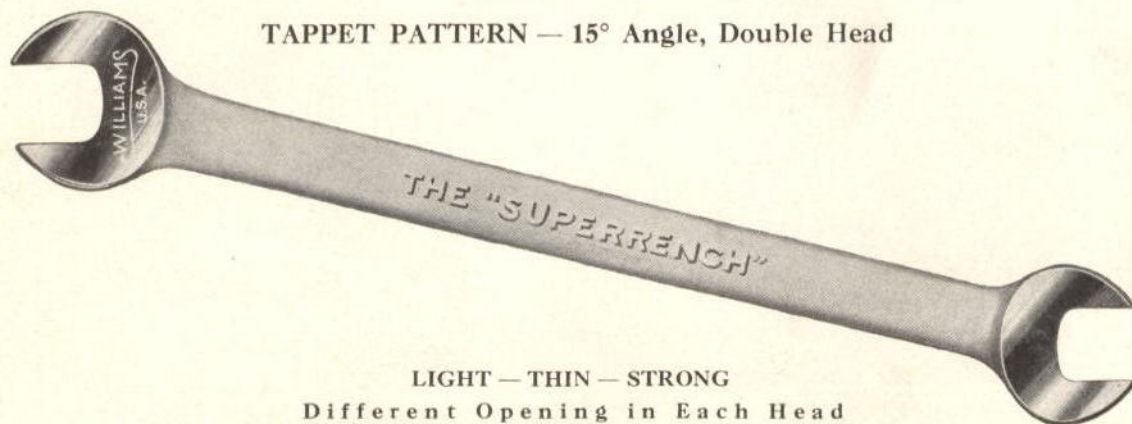
**CONTENTS**

| No.   | Nominal Openings | Amer. Std. HEAVY Nut (U.S.S.) | Amer. Std. Hex Head Cap Screw | Amer. Std. LIGHT Nut (S.A.E.) | Amer. Std. REGULAR Nut | Length Approx. |
|-------|------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|----------------|
| 1159  | 5/16 & 5/16      | 1/8                           | 1/8                           | .....                         | .....                  | 4-3/8          |
| 1159A | 11/32 & 11/32    | .....                         | .....                         | .....                         | *No. 8                 | 4-3/8          |
| 1160  | 3/8 & 3/8        | .....                         | 3/16                          | .....                         | .....                  | 5              |
| 1161  | 7/16 & 7/16      | .....                         | 1/4                           | 1/4                           | 1/4                    | 5-3/8          |
| 1162  | 1/2 & 1/2        | 1/4                           | 5/16                          | 5/16                          | .....                  | 6              |
| 1163  | 9/16 & 9/16      | .....                         | 3/8                           | 3/8                           | 5/16                   | 6-3/4          |
| 1163A | 19/32 & 19/32    | 5/16                          | .....                         | .....                         | .....                  | 6-3/4          |
| 1164  | 5/8 & 5/8        | .....                         | 7/16                          | 7/16                          | 3/8                    | 7-5/8          |
| 1165  | 11/16 & 11/16    | .....                         | 3/8                           | .....                         | .....                  | 8-1/2          |
| 1166  | 3/4 & 3/4        | .....                         | 1/2                           | 1/2                           | 7/16                   | 9-1/2          |
| 1166A | 25/32 & 25/32    | .....                         | 7/16                          | .....                         | .....                  | 9-1/2          |
| 1167  | 7/8 & 7/8        | 1/2                           | 5/8                           | 9/16                          | 9/16                   | 10-1/2         |
| 1167A | 13/16 & 13/16    | .....                         | 9/16                          | .....                         | 1/2                    | 10-1/2         |
| 1168  | 15/16 & 15/16    | .....                         | 9/16                          | 5/8                           | .....                  | 13             |
| 1170  | 1 & 1            | .....                         | 3/4                           | .....                         | 5/8                    | 13             |
| 1171  | 1-1/16 & 1-1/16  | .....                         | 5/8                           | 3/4                           | .....                  | 15             |
| 1172  | 1-1/8 & 1-1/8    | .....                         | 7/8                           | .....                         | 3/4                    | 15             |
| 1173  | 1-1/4 & 1-1/4    | 3/4                           | .....                         | 7/8                           | .....                  | 18             |

Weights: see numerical index

WILLIAMS' ♦ "SUPERRENCHES"  
Selected Alloy Steel

TAPPET PATTERN — 15° Angle, Double Head



LIGHT — THIN — STRONG  
Different Opening in Each Head

These light, thin Wrenches are specially designed for tappet adjustment; their length is ample to prevent burning the hands when the motor is hot.

The 15° angle of opening is unequalled in efficiency. It makes the same size opening in both heads of the wrench unnecessary. Consequently *each* "Superrench" serves *two* sizes of tappets.

Drop-forged from special Selected Alloy Steel, heat-treated, chrome-finished, heads buffed bright.

| No.   | Nominal<br>Openings<br>Tappet Sizes | For<br>Amer. Std.<br>HEAVY Nut<br>(U.S.S.);<br>Size Bolt | For<br>Amer. Std.<br>Hex Head<br>Cap Screw;<br>Diam. Screw | For<br>Amer. Std.<br>LIGHT Nut<br>(S.A.E.);<br>Size Bolt | For<br>Amer. Std.<br>REGULAR<br>Nut;<br>Size Bolt | Ex-<br>treme<br>Length | Thick-<br>ness<br>Heads | LIST<br>PRICE,<br>Each |
|-------|-------------------------------------|----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|------------------------|-------------------------|------------------------|
| 1090A | 3/8 & 7/16                          | .....                                                    | 3/16 & 1/4                                                 | 1/4                                                      | 1/4                                               | 8                      | 5/32                    | \$1.02                 |
| 1090  | 7/16 & 1/2                          | 1/4                                                      | 1/4 & 5/16                                                 | 1/4 & 5/16                                               | 1/4                                               | 8                      | 5/32                    | 1.02                   |
| 1090G | 7/16 & 17/32                        | .....                                                    | 1/4                                                        | 1/4                                                      | 1/4                                               | 8                      | 5/32                    | 1.02                   |
| 1090D | 1/2 & 9/16                          | 1/4                                                      | 5/16 & 3/8                                                 | 5/16 & 3/8                                               | 5/16                                              | 8                      | 5/32                    | 1.02                   |
| 1092  | 9/16 & 5/8                          | .....                                                    | 3/8 & 7/16                                                 | 3/8 & 7/16                                               | 5/16 & 3/8                                        | 8                      | 3/16                    | 1.09                   |
| 1092F | 5/8 & 11/16                         | 3/8                                                      | 7/16                                                       | 7/16                                                     | 3/8                                               | 8                      | 3/16                    | 1.09                   |
| 1094G | 3/4 & 13/16                         | .....                                                    | 1/2 & 9/16                                                 | 1/2                                                      | 7/16 & 1/2                                        | 9                      | 7/32                    | 1.16                   |
| 1094  | 3/4 & 7/8                           | 1/2                                                      | 1/2 & 5/8                                                  | 1/2 & 9/16                                               | 7/16 & 9/16                                       | 9                      | 7/32                    | 1.16                   |
| 1096  | 15/16 & 1                           | 9/16                                                     | 3/4                                                        | 5/8                                                      | 5/8                                               | 9                      | 7/32                    | 1.39                   |

EXTRA LONG, THIN TAPPET PATTERN — 15° ANGLE



All auto mechanics will want these extra long (12-1/2") Tappet Wrenches for convenient reach over hot manifolds. Slender and light for easy adjustment, with narrow jaws for close places. The range of openings—3/8 to 5/8"—provides comprehensive service for practically every make of car, including late models. All heads 3/16" thick.

Sold individually and in sets.

Drop-forged from special Selected Alloy Steel, and heat-treated for maximum strength. Cadmium-plated.

| No.   | Nominal<br>Openings | Amer. Std.<br>Hex Head<br>Cap Screws | Amer. Std.<br>LIGHT Nut<br>(S.A.E.) | Amer. Std.<br>REGULAR<br>Nut | LIST<br>PRICE,<br>Each | No.   |
|-------|---------------------|--------------------------------------|-------------------------------------|------------------------------|------------------------|-------|
| A100C | 3/8                 | 3/16                                 | .....                               | .....                        | \$1.23                 | A100C |
| A100  | 7/16                | 1/4                                  | 1/4                                 | 1/4                          | 1.23                   | A100  |
| A100A | 1/2                 | 5/16                                 | 5/16                                | 5/16                         | 1.23                   | A100A |
| A100B | 9/16                | 3/8                                  | 3/8                                 | 3/8                          | 1.23                   | A100B |
| A101  | 5/8                 | 7/16                                 | 7/16                                | 7/16                         | 1.23                   | A101  |

♦ REGISTERED TRADE MARK

Weights: see numerical index.

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## WILLIAMS' TAPPET + "SUPERRENCHES"

*Selected Alloy Steel*

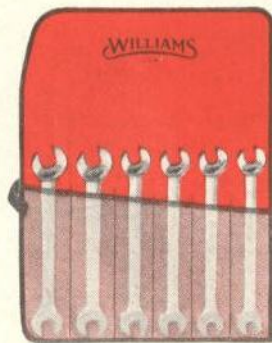
### "SUPERRENCH" TAPPET SETS

**15° Angle, Double Head**

These light, thin Wrenches are specially designed for tappet adjustment; their length is ample to prevent burning the hands when the motor is hot.

The 15° angle of opening is unequalled in efficiency. It makes the same size opening in both heads of the wrench unnecessary. Consequently *each* "Superrench" serves *two* sizes of tappets.

Drop-forged from special Selected Alloy Steel, heat-treated, chrome-finished, heads buffed bright

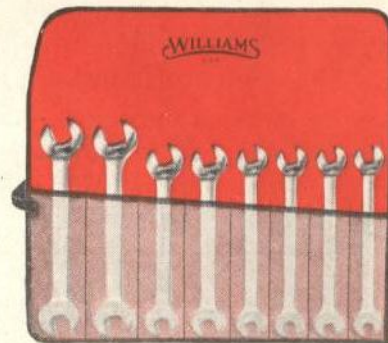


SET No. 1032

**LIST PRICES**

|                      |        |
|----------------------|--------|
| In Leatherette Roll, | \$7.36 |
| In Cardboard Box,    | 6.26   |
| Roll Only,           | 1.10   |

Six "Superrenches"; 2 each of Nos. 1090, 1090D and 1092F, described on page 46, covering every tappet size from 7/16 in. to 11/16 in. Cares for 80% of all passenger cars, buses and trucks.

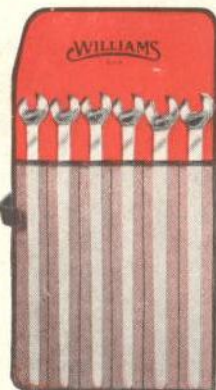


SET No. 1042

**LIST PRICES**

|                      |        |
|----------------------|--------|
| In Leatherette Roll, | \$9.98 |
| In Cardboard Box,    | 8.58   |
| Roll Only,           | 1.40   |

Eight "Superrenches"; 2 each of Nos. 1090, 1090D, 1092F and 1094, described on page 46 provide comprehensive service for tappet adjustment. Cover practically all passenger cars, buses and trucks. An ideal set for the automobile mechanic.



Set No. 106

### "SUPERRENCH" TAPPET SETS

**15° Angle, Single Head**

SET No. 106

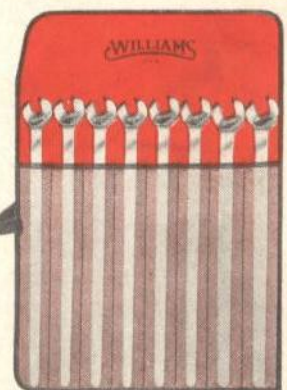
**LIST PRICES**

|                                                                                        |        |
|----------------------------------------------------------------------------------------|--------|
| In Leatherette Roll,                                                                   | \$8.53 |
| In Cardboard Box,                                                                      | 7.38   |
| Roll Only,                                                                             | 1.15   |
| 6 wrenches; 2 each of<br>Nos. A100A, A100B and<br>A101, described on<br>opposite page. |        |

SET No. 108

**LIST PRICES**

|                                                                                              |         |
|----------------------------------------------------------------------------------------------|---------|
| In Leatherette Roll,                                                                         | \$11.24 |
| In Cardboard Box,                                                                            | 9.84    |
| Roll Only,                                                                                   | 1.40    |
| 8 wrenches; 2 each of<br>Nos. A100, A100A, A100B<br>and A101, described<br>on opposite page. |         |



Set No. 108

*See Opposite Page for Individual Wrench Opening and Bolt Size Tabulation*

Weights: see numerical index.

♦ REGISTERED TRADE MARK

## WILLIAMS' "MULTISOCKET" WRENCH

EIGHT-IN-ONE  
PATENTED



No. 1999 — List Price — \$4.20 each

8 Different 12-Point Openings

Small Head; 7/16, 1/2, 9/16, 19/32" — Large Head; 5/8, 11/16, 3/4, 7/8"

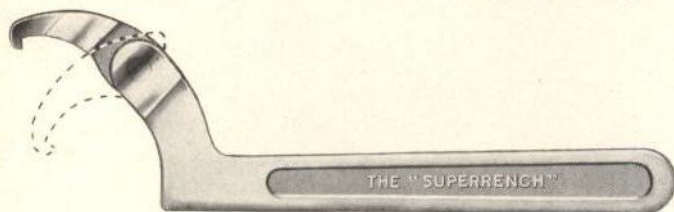
The openings grip hex nuts on six sides; no slipping or rounding of the nuts' corners.

Swivel heads, with index spring to retain working opening in position for use, permit handle to be operated at practically any angle desired. Can be used as a socket wrench.

The entire wrench is drop-forged, heat-treated and finished in cadmium-plate. Length, 9 inches.

## WILLIAMS' ADJUSTABLE HOOK SPANNERS

*Selected Alloy Steel*



These Spanners offer an unusual combination of strength and ready adjustment; each tool provides for a wide range of sizes — see table. Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated, face of jaw and raised part of handle buffed bright.

Sold individually, or in Set No. 1400 which is especially serviceable on Spindle Bearings of Lathes, Milling Machines, Grinding Machines, Rear Axle Shaft Bearings, Exhaust Manifold Gland Nuts, Differential Pinion Gear, Rear Wheel Bearings, Water-Pump Packing Nuts, etc. Also, for adjusting collars and slotted rings used on many types of automatic machines.



SET No. 1400

LIST PRICES

In Leatherette Roll, \$12.90

In Cardboard Box, 12.00

Roll Only .90

| No.  | Capacity for Circles, Diameter | Extreme Length, Approx. | Thickness |       | Depth Hook | LIST PRICE | No.  |
|------|--------------------------------|-------------------------|-----------|-------|------------|------------|------|
|      |                                |                         | Handle    | Hook  |            |            |      |
| 1471 | 3/4 to 2                       | 6 3/8                   | 1/4       | 11/32 | 1/8        | \$3.20     | 1471 |
| 1472 | 1 1/4 to 3                     | 8 1/8                   | 9/32      | 13/32 | 5/32       | 3.70       | 1472 |
| 1474 | 2 to 4 3/4                     | 11 3/8                  | 5/16      | 15/32 | 3/16       | 5.10       | 1474 |

Weights: see numerical index.

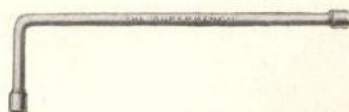
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**WILLIAMS' SPECIAL "SUPERRENCHES"**  
*Selected Alloy Steel*

**FOR FORD CARS AND TRUCKS**

**"SUPERRENCH"**  
*(Selected Alloy Steel)*

**For**  
**Ford "V-8" Connecting Rods**



**No. S-231**

**List Price, \$2.10**

**Length, 11-1/2" Offset, 3"**

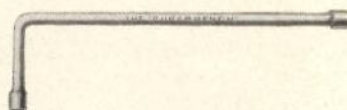
Heat-treated and Chrome-plated

Spin nuts till engaged (short arm for lever); reverse wrench and tighten (long arm for lever).

Hex Openings, 7/16 and 7/16". Services Ford V-8 60 H.P. motor, 1937-'40.

**"SUPERRENCH"**  
*(Selected Alloy Steel)*

**For**  
**Ford "V-8" Connecting Rods**



**No. 1981-A**

**List Price, \$2.25**

**Length, 11-1/2" Offset, 3"**

Heat-treated and Chrome-plated

Spin nuts till engaged (short arm for lever); reverse wrench and tighten (long arm for lever).

Hex Openings, 9/16 and 9/16". Services all Ford "6", 1941-'42; all Ford and Mercury V-8 85 H.P., 90 H.P. and 100 H.P. thru 1942. Also battery ground strap nut all Ford V-8 85 H.P. motors, 1935-'36.

**"SUPERRENCH"**  
*(Selected Alloy Steel)*

**For**  
**Adjusting Ford Brakes**



**No. 1984-X**

**List Price, \$2.15**

**7/16 and 1/2" 8-Point Openings**

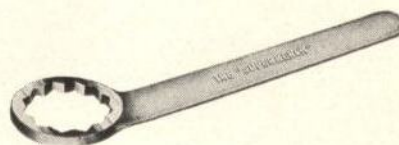
**Length, 11-1/4" Thickness Heads, 7/16"**

Heat-treated and Chrome-plated

The only wrench required for adjusting brakes on Ford "A", "B", all V-8, 1932-'38 cars; also Ford "AA" and all V-8 trucks.

**"SUPERRENCH"**  
*(Selected Alloy Steel)*

**For**  
**Ford Crankcase Drain Plug**



**No. 1966-A**

**List Price, \$1.41**

**2" 12-Point Opening**

**Length, 11"**

Heat-treated and Chrome-plated

Required for drain plug service on ALL 1939-'42 Ford V-8 and Mercury cars.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

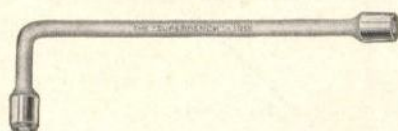
For other Special "Superrenches", see following page.

**WILLIAMS' SPECIAL "SUPERRENCHES"**  
*Selected Alloy Steel*

**FOR FORD CARS AND TRUCKS**

**"SUPERRENCH"**  
*(Selected Alloy Steel)*

For Ford "V-8"  
60 H.P. Motor, 1937-'40, Main Bearings



**No. S-243**

**List Price, \$2.10**

21/32 and 21/32" Hex Openings  
Length, 11-1/2" Offset, 3"

Heat-treated and Chrome-plated

Specially thin design sockets for all main bearing screws.

**"SUPERRENCH"**  
*(Selected Alloy Steel)*

For  
All Ford "V-8", 1937-'42, Distributors



**No. SV-244**

**List Price, \$1.83**

1/2 and 1/2" 12-Point Openings  
Length, 9" Offset, 2-1/4"

Heat-treated and Chrome-plated

Specially offset to clear fan-belt. A big time saver in servicing distributors on Ford "6", 1941-'42; "V-8" 1937-'42, 1946; Mercury "V-8," 1939-'42, 1946; Lincoln Zephyr, 1937-'42, 1946.

**WILLIAMS' FORD CRANK RATCHET SOCKET**  
*(Selected Alloy Steel)*

For  
All Ford Cars and Trucks 1928-'42



**No. V-132**

**List Price, \$2.10**

1-3/8" Hex Opening

Heat-treated and Cadmium-plated

Serves lower fan-pulley nut, necessary in dropping oil pan, without removing radiator. Designed for use with regular Ford starting crank.

For all Ford cars and trucks 1928-'37, all Ford trucks 1938-'42, 1946. Cut away for clearance.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

**WILLIAMS' STANDARD "SUPERSOCKET"**  
*(Selected Alloy Steel)*

For  
Ford Cars and Trucks



**No. SF-1218**

**List Price, \$.83**

9/16" 12-Point Opening, 1/2" Square Drive

Heat-treated and Chrome-plated

Use with Torque Wrench required on models having "Marsden" self-locking nuts.

For all Ford 6, Ford-Mercury V-8, 85 H.P., 90 H.P. and 100 H.P. Connecting Rods.