

# ATP



## Impact Sockets, Striking Wrenches, & Accessories



**ATP**— Superior Strength and Precision Turning Motion

ATP IS A DIVISION OF HY-TECH ENGINEERED SOLUTIONS

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# ATP

*Impact Sockets, Striking  
Wrenches, & Accessories*



## Warranty Statement:

ATP standard sockets and striking wrenches are backed by our lifetime warranty against defects in material and workmanship. Thin-walled sockets, hex driver sockets, adapters, universal joints, custom sockets, and other accessories are not lifetime warrantied.

# Usage and Safety Inspection

## IMPACT SOCKETS, STRIKING WRENCHES, & ACCESSORIES

### Safety For Productivity

- Users and bystanders must wear safety glasses conforming to ANSI Z87.1
- Do not hold sockets, extensions, and accessories while impacting or powering to avoid injury
- 3/4" drive and larger sizes require the use of ret rings or a Pin & O-ring to secure the socket to the drive
- Never use a nail or homemade pin to secure a socket to a drive
- Never exceed the manufacturer's air tool pressure rating, and hydraulic pressure rating
- Never use a hand chrome socket for impacting or striking applications
- Impact sockets are used to tighten or loosen fasteners powered by air, hydraulic or electric tools
- Never dwell on a socket after it has stopped turning, this can damage both the socket and fastener
- Ensure the socket is fully engaged on the fastener before activating the power tool source
- Impact adapter strength is limited to the smallest drive size or connection point
- Always limit the joints and extensions between the socket and power tool to reduce failure
- Sockets must be properly sized and fitted to the fastener prior to use
- Large drive impact sockets are inherently heavy and care needs to be taken in handling
- Socket openings need to be inspected before each use, and discarded if significant wear or deterioration is present
- Inspect and discard worn or cracked sockets at the drive opening and across the flats
- Striking wrenches must be properly sized and fitted to the fastener prior to use
- Striking to the wrench should only occur on the striking lug end, opposite the fastener engaged end
- Operators hand must be as far away from the striking lug during striking
- Striking wrench must be fully engaged on the fastener prior to striking
- The linear surface on a flat or offset striking wrench must be a true horizontal axis prior to striking
- Striking wrenches must be inspected prior to each use, and discarded if significant wear, cracks or other damage is visually evident across the flats and striking lug surface
- Large size striking wrenches are inherently heavy and care needs to be taken in handling



# ATP 1/2" SQUARE DRIVE

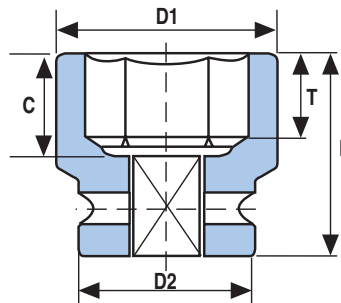
## SIX POINT IMPACT SOCKETS



ATP 1/2" Drive impact sockets are preferred in many industrial applications where long lasting sockets are required for severe applications. From assembly line to heavy plant maintenance, ATP sockets and accessories increase productivity and reduce costly downtime.

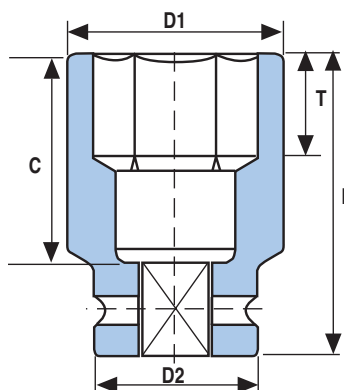
### Standard Fractional Sizes

| SIZE<br>in | PART#  | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|--------|----------|----------|---------|---------|---------|
| 3/8        | Z-0806 | .630     | .984     | 1.482   | .157    | .595    |
| 7/16       | Z-0807 | .748     | .984     | 1.482   | .236    | .595    |
| 1/2        | Z-0808 | .787     | .984     | 1.482   | .236    | .674    |
| 9/16       | Z-0809 | .866     | .984     | 1.482   | .276    | .674    |
| 5/8        | Z-0810 | .984     | 1.181    | 1.482   | .315    | .753    |
| 11/16      | Z-0811 | 1.102    | 1.181    | 1.482   | .354    | .753    |
| 3/4        | Z-0812 | 1.102    | 1.181    | 1.482   | .335    | .753    |
| 13/16      | Z-0813 | 1.181    | 1.181    | 1.482   | .433    | .832    |
| 7/8        | Z-0814 | 1.181    | 1.181    | 1.482   | .512    | .91     |
| 15/16      | Z-0815 | 1.378    | 1.181    | 1.482   | .512    | .91     |
| 1          | Z-0816 | 1.496    | 1.181    | 1.482   | .512    | .95     |
| 1-1/16     | Z-0817 | 1.496    | 1.181    | 1.950   | .512    | .95     |
| 1-1/8      | Z-0818 | 1.614    | 1.181    | 1.560   | .643    | 1.107   |
| 1-3/16     | Z-0819 | 1.614    | 1.181    | 1.950   | .643    | 1.107   |
| 1-1/4      | Z-0820 | 1.732    | 1.378    | 1.560   | .669    | 1.107   |
| 1-5/16     | Z-0821 | 1.732    | 1.378    | 1.677   | .748    | 1.186   |
| 1-3/8      | Z-0822 | 1.929    | 1.378    | 1.560   | .748    | 1.265   |
| 1-7/16     | Z-0823 | 1.929    | 1.732    | 1.950   | .748    | 1.265   |
| 1-1/2      | Z-0824 | 2.047    | 1.732    | 1.950   | .846    | 1.344   |



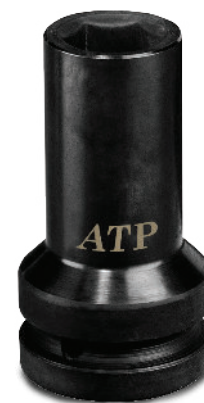
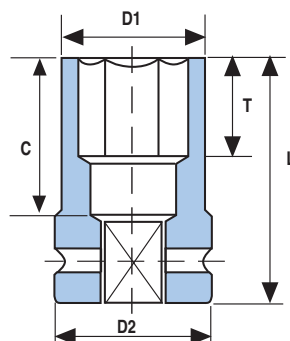
### Deep Fractional Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|---------|----------|----------|---------|---------|---------|
| 3/8        | Z-0806L | .630     | .984     | 3.042   | .157    | 2.721   |
| 7/16       | Z-0807L | .748     | .984     | 3.042   | .236    | 2.721   |
| 1/2        | Z-0808L | .787     | .984     | 3.042   | .236    | 2.721   |
| 9/16       | Z-0809L | .866     | .984     | 3.042   | .276    | 2.721   |
| 5/8        | Z-0810L | .984     | 1.181    | 3.042   | .315    | 2.721   |
| 11/16      | Z-0811L | 1.102    | 1.181    | 3.042   | .354    | 2.721   |
| 3/4        | Z-0812L | 1.102    | 1.181    | 3.042   | .335    | 2.721   |
| 13/16      | Z-0813L | 1.181    | 1.181    | 3.042   | .433    | 2.721   |
| 7/8        | Z-0814L | 1.181    | 1.181    | 3.042   | .512    | 2.721   |
| 15/16      | Z-0815L | 1.378    | 1.181    | 3.042   | .512    | 2.721   |
| 1          | Z-0816L | 1.496    | 1.181    | 3.042   | .512    | 2.721   |
| 1-1/16     | Z-0817L | 1.496    | 1.181    | 3.042   | .512    | 2.721   |
| 1-1/8      | Z-0818L | 1.614    | 1.181    | 3.042   | .643    | 2.721   |
| 1-3/16     | Z-0819L | 1.614    | 1.181    | 3.042   | .643    | 2.721   |
| 1-1/4      | Z-0820L | 1.732    | 1.378    | 3.042   | .669    | 2.721   |
| 1-5/16     | Z-0821L | 1.732    | 1.378    | 3.042   | .748    | 2.721   |
| 1-3/8      | Z-0822L | 1.929    | 1.378    | 3.042   | .748    | 2.721   |
| 1-7/16     | Z-0823L | 1.929    | 1.732    | 3.042   | .748    | 2.721   |
| 1-1/2      | Z-0824L | 2.047    | 1.732    | 3.042   | .846    | 2.721   |



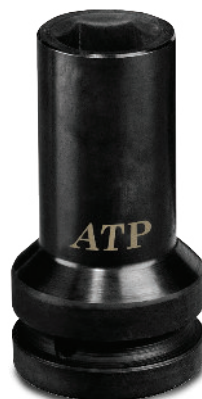
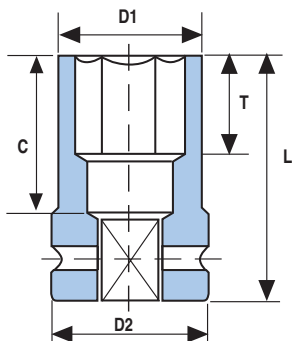
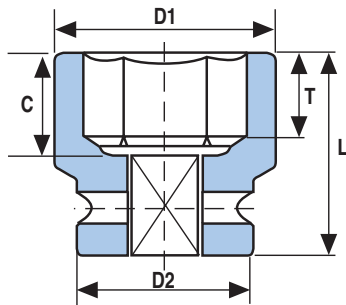
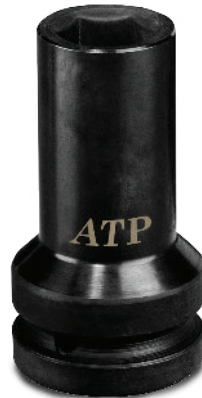
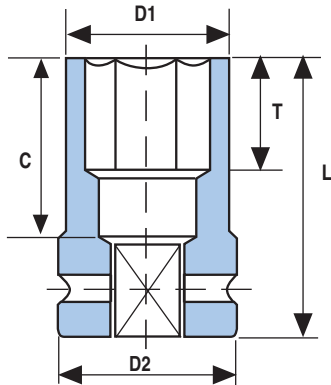
### Standard Fractional Thinwall Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|---------|----------|----------|---------|---------|---------|
| 9/16       | Z-0809T | .866     | .984     | 1.482   | .551    | .700    |
| 5/8        | Z-0810T | .984     | .984     | 1.482   | .551    | .750    |
| 11/16      | Z-0811T | .984     | .984     | 1.482   | .551    | .750    |
| 3/4        | Z-0812T | 1.102    | 1.181    | 1.482   | .551    | .750    |
| 13/16      | Z-0813T | 1.102    | 1.181    | 1.482   | .551    | .780    |
| 7/8        | Z-0814T | 1.181    | 1.181    | 1.482   | .551    | .780    |
| 15/16      | Z-0815T | 1.299    | 1.181    | 1.482   | .551    | .810    |



# ATP 1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



### Deep Fractional Thinwall Sizes

| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|----------|----------|----------|---------|---------|---------|
| 9/16       | Z-0809LT | .866     | .984     | 3.042   | .551    | 2.721   |
| 5/8        | Z-0810LT | .984     | .984     | 3.042   | .551    | 2.721   |
| 11/16      | Z-0811LT | .984     | .984     | 3.042   | .551    | 2.721   |
| 3/4        | Z-0812LT | 1.102    | 1.181    | 3.042   | .551    | 2.721   |
| 13/16      | Z-0813LT | 1.102    | 1.181    | 3.042   | .551    | 2.721   |
| 7/8        | Z-0814LT | 1.181    | 1.181    | 3.042   | .551    | 2.721   |
| 15/16      | Z-0815LT | 1.299    | 1.181    | 3.042   | .551    | 2.721   |

### Standard Metric Sizes

| SIZE<br>mm | PART#   | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|---------|----------|----------|---------|---------|---------|
| 8          | Z-08M8  | 15       | 25       | 38      | 4       | 15      |
| 9          | Z-08M9  | 16       | 25       | 38      | 4       | 15      |
| 10         | Z-08M10 | 17       | 25       | 38      | 5       | 15      |
| 11         | Z-08M11 | 19       | 21       | 38      | 5       | 15      |
| 12         | Z-08M12 | 20       | 25       | 38      | 6       | 17      |
| 13         | Z-08M13 | 21       | 25       | 38      | 6       | 17      |
| 14         | Z-08M14 | 22       | 25       | 38      | 7       | 17      |
| 15         | Z-08M15 | 24       | 30       | 38      | 7       | 19      |
| 16         | Z-08M16 | 25       | 30       | 38      | 7       | 19      |
| 17         | Z-08M17 | 26       | 30       | 38      | 9       | 19      |
| 18         | Z-08M18 | 28       | 30       | 38      | 9       | 19      |
| 19         | Z-08M19 | 28       | 30       | 38      | 9.5     | 19      |
| 20         | Z-08M20 | 30       | 30       | 38      | 10      | 21      |
| 21         | Z-08M21 | 30       | 30       | 38      | 10      | 21      |
| 22         | Z-08M22 | 33       | 30       | 38      | 10      | 21      |
| 23         | Z-08M23 | 35       | 30       | 38      | 12      | 23      |
| 24         | Z-08M24 | 35       | 30       | 45      | 12      | 23      |
| 25         | Z-08M25 | 35       | 30       | 45      | 13      | 24      |
| 26         | Z-08M26 | 38       | 5        | 50      | 13      | 24      |
| 27         | Z-08M27 | 38       | 35       | 50      | 13      | 24      |
| 28         | Z-08M28 | 38       | 35       | 50      | 14      | 25      |
| 29         | Z-08M29 | 41       | 35       | 50      | 14      | 28      |
| 30         | Z-08M30 | 41       | 35       | 50      | 16.5    | 28      |
| 31         | Z-08M31 | 44       | 35       | 50      | 16.5    | 28      |
| 32         | Z-08M32 | 44       | 35       | 50      | 16.5    | 28      |
| 33         | Z-08M33 | 44       | 35       | 50      | 17      | 28      |
| 34         | Z-08M34 | 49       | 35       | 46      | 17      | 30      |
| 35         | Z-08M35 | 49       | 35       | 50      | 19      | 31      |
| 36         | Z-08M36 | 49       | 44       | 50      | 19      | 31      |
| 37         | Z-08M37 | 52       | 44       | 47      | 19      | 31      |
| 38         | Z-08M38 | 52       | 44       | 50      | 22      | 34      |

### Standard Metric Thinwall Sizes

| SIZE<br>mm | PART#    | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|----------|----------|----------|---------|---------|---------|
| 13         | Z-08M13T | 21       | 25       | 38      | 6       | 18      |
| 14         | Z-08M14T | 22       | 25       | 38      | 7       | 18      |
| 15         | Z-08M15T | 24       | 30       | 38      | 7       | 19      |
| 16         | Z-08M16T | 24       | 30       | 38      | 7       | 19      |
| 17         | Z-08M17T | 25       | 30       | 38      | 9       | 19      |
| 18         | Z-08M18T | 25       | 30       | 38      | 9       | 19      |
| 19         | Z-08M19T | 27.5     | 30       | 38      | 9       | 19      |
| 20         | Z-08M20T | 28       | 30       | 38      | 10      | 20      |
| 21         | Z-08M21T | 30       | 30       | 38      | 10      | 20      |
| 22         | Z-08M22T | 31       | 30       | 38      | 10      | 20      |
| 23         | Z-08M23T | 33       | 30       | 38      | 12      | 20      |
| 24         | Z-08M24T | 33       | 30       | 45      | 12      | 20      |

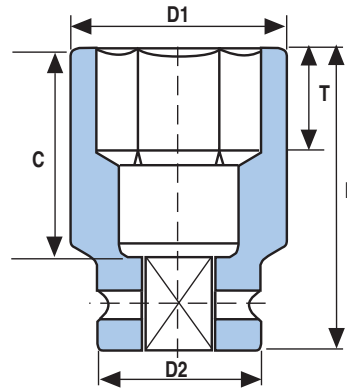
# ATP 1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



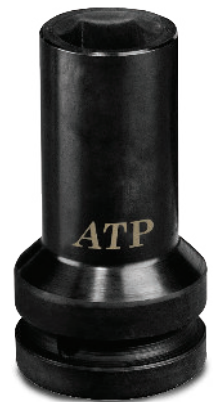
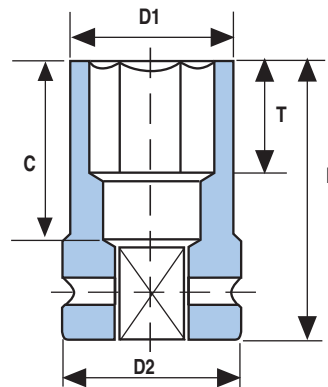
### Deep Metric Sizes

| SIZE<br>mm | PART#    | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|----------|----------|----------|---------|---------|---------|
| 8          | Z-08M8L  | 15       | 25       | 78      | 4       | 69      |
| 9          | Z-08M9L  | 16       | 25       | 78      | 4       | 69      |
| 10         | Z-08M10L | 17       | 25       | 78      | 5       | 69      |
| 11         | Z-08M11L | 19       | 25       | 78      | 5       | 69      |
| 12         | Z-08M12L | 20       | 25       | 78      | 6       | 69      |
| 13         | Z-08M13L | 21       | 25       | 78      | 6       | 69      |
| 14         | Z-08M14L | 22       | 25       | 78      | 7       | 69      |
| 15         | Z-08M15L | 24       | 30       | 78      | 7       | 69      |
| 16         | Z-08M16L | 25       | 30       | 78      | 7       | 69      |
| 17         | Z-08M17L | 26       | 30       | 78      | 9       | 69      |
| 18         | Z-08M18L | 28       | 30       | 78      | 9       | 69      |
| 19         | Z-08M19L | 28       | 30       | 78      | 9.5     | 69      |
| 20         | Z-08M20L | 30       | 30       | 78      | 10      | 69      |
| 21         | Z-08M21L | 30       | 30       | 78      | 10      | 69      |
| 22         | Z-08M22L | 33       | 30       | 78      | 10      | 69      |
| 23         | Z-08M23L | 35       | 30       | 78      | 12      | 69      |
| 24         | Z-08M24L | 35       | 30       | 78      | 12      | 69      |
| 25         | Z-08M25L | 35       | 30       | 78      | 13      | 69      |
| 26         | Z-08M26L | 38       | 35       | 78      | 13      | 69      |
| 27         | Z-08M27L | 38       | 35       | 78      | 13      | 69      |
| 28         | Z-08M28L | 38       | 35       | 78      | 14      | 69      |
| 29         | Z-08M29L | 41       | 35       | 78      | 14      | 69      |
| 30         | Z-08M30L | 41       | 35       | 78      | 16.5    | 69      |
| 31         | Z-08M31L | 44       | 35       | 78      | 16.5    | 69      |
| 32         | Z-08M32L | 44       | 35       | 78      | 16.5    | 69      |
| 33         | Z-08M33L | 44       | 35       | 78      | 17      | 69      |
| 34         | Z-08M34L | 49       | 35       | 78      | 17      | 69      |
| 35         | Z-08M35L | 49       | 35       | 78      | 19      | 69      |
| 36         | Z-08M36L | 49       | 44       | 78      | 19      | 69      |
| 37         | Z-08M37L | 52       | 44       | 78      | 19      | 69      |
| 38         | Z-08M38L | 52       | 44       | 78      | 22      | 69      |



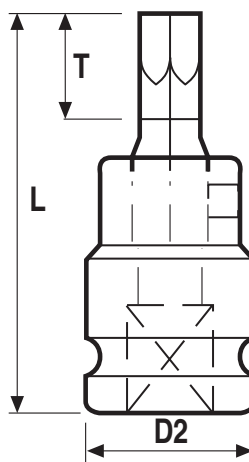
### Deep Metric Thinwall Sizes

| SIZE<br>mm | PART#     | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|-----------|----------|----------|---------|---------|---------|
| 13         | Z-08M13LT | 21       | 25       | 78      | 6       | 69      |
| 14         | Z-08M14LT | 22       | 25       | 78      | 7       | 69      |
| 15         | Z-08M15LT | 24       | 30       | 78      | 7       | 69      |
| 16         | Z-08M16LT | 25       | 30       | 78      | 7       | 69      |
| 17         | Z-08M17LT | 25       | 30       | 78      | 9       | 69      |
| 18         | Z-08M18LT | 25       | 30       | 78      | 9       | 69      |
| 19         | Z-08M19LT | 28       | 30       | 78      | 9       | 69      |
| 20         | Z-08M20LT | 28       | 30       | 78      | 10      | 69      |
| 21         | Z-08M21LT | 30       | 30       | 78      | 10      | 69      |
| 22         | Z-08M22LT | 30       | 30       | 78      | 10      | 69      |
| 23         | Z-08M23LT | 33       | 30       | 78      | 12      | 69      |
| 24         | Z-08M24LT | 33       | 30       | 78      | 12      | 69      |



# ATP 1/2" SQUARE DRIVE

## TORX DRIVER SOCKETS



### In-Star Socket Driver Sizes

| TORX® | PART#   | D2<br>mm | L<br>mm | T<br>mm | Weight<br>gr | REPLACEMENT<br>TORX® BIT | BIT DESCRIPTION |
|-------|---------|----------|---------|---------|--------------|--------------------------|-----------------|
| T30   | Z-08T30 | 25       | 57      | 3.19    | 110          | HT30                     | 11 mm HEX x 30  |
| T40   | Z-08T40 | 25       | 57      | 3.3     | 110          | HT40                     | 11 mm HEX x 40  |
| T50   | Z-08T50 | 25       | 57      | 4.57    | 110          | HT50                     | 11 mm HEX x 50  |
| T55   | Z-08T55 | 25       | 57      | 5.08    | 110          | HT55                     | 16 mm HEX x 55  |
| T60   | Z-08T60 | 30       | 60      | 7.62    | 160          | HT60                     | 16 mm HEX x 60  |
| T70   | Z-08T70 | 30       | 60      | 8.89    | 170          | HT70                     | 16 mm HEX x 70  |

TORX® is a Registered Trademark of Cam Car

Note: 2-piece construction

# ATP 1/2" SQUARE DRIVE

## HEX DRIVER SOCKETS



### Fractional Sizes

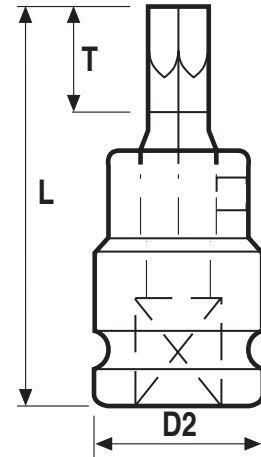
| SIZE<br>in | PART#    | D2<br>in | L<br>in | T<br>in |
|------------|----------|----------|---------|---------|
| 1/8        | Z-0802V  | .984     | 1.716   | .748    |
| 5/32       | Z-08005V | .984     | 1.716   | .748    |
| 3/16       | Z-0803V  | .984     | 1.716   | .748    |
| 7/32       | Z-08007V | .984     | 1.716   | .748    |
| 1/4        | Z-0804V  | .984     | 1.716   | .748    |
| 5/16       | Z-0805V  | .984     | 1.716   | .748    |
| 3/8        | Z-0806V  | .984     | 1.833   | .866    |
| 7/16       | Z-0807V  | .984     | 1.950   | .984    |
| 1/2        | Z-0808V  | 1.181    | 1.950   | .984    |
| 9/16       | Z-0809V  | 1.181    | 1.950   | .984    |
| 5/8        | Z-0810V  | 1.181    | 1.950   | .984    |

Note: 2-piece construction

### Metric Sizes

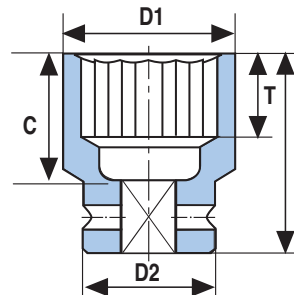
| SIZE<br>mm | PART#    | D2<br>mm | L<br>mm | T<br>mm |
|------------|----------|----------|---------|---------|
| 3          | Z-08M3V  | 25       | 44      | 19      |
| 4          | Z-08M4V  | 25       | 44      | 19      |
| 5          | Z-08M5V  | 25       | 44      | 19      |
| 6          | Z-08M6V  | 25       | 44      | 19      |
| 8          | Z-08M8V  | 25       | 44      | 19      |
| 10         | Z-08M10V | 25       | 47      | 22      |
| 12         | Z-08M12V | 30       | 50      | 25      |
| 14         | Z-08M14V | 30       | 50      | 25      |
| 17         | Z-08M17V | 30       | 50      | 25      |
| 19         | Z-08M19V | 33       | 50      | 25      |

Note: 2-piece construction



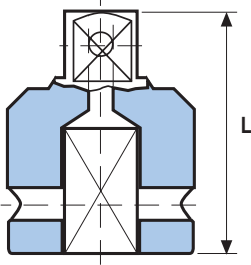
### 12 Point Impact Socket Sizes

| SIZE<br>in | SIZE<br>mm | PART#      | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | Weight<br>gr |
|------------|------------|------------|----------|----------|---------|---------|--------------|
| 3/4        | 19         | DH-0812M19 | 28       | 30       | 38      | 9.5     | 130          |
| 13/16      |            | DH-0813    | 30       | 30       | 38      | 11      | 130          |
| 7/8        |            | DH-0814    | 32       | 32       | 38      | 13      | 140          |
| 15/16      |            | DH-0815    | 35       | 35       | 38      | 13      | 160          |
| 1          |            | DH-0816    | 38       | 35       | 38      | 13      | 200          |
| 1-1/16     | 27         | DH-0817M27 | 38       | 35       | 50      | 13      | 200          |
| 1-1/8      |            | DH-0818    | 41       | 35       | 40      | 16.5    | 290          |
| 1 3/16     | 30         | DH-0819M30 | 41       | 35       | 50      | 16.5    | 290          |
| 1-1/4      |            | DH-0820    | 44       | 35       | 40      | 17      | 350          |
| 1-5/16     |            | DH-0821    | 49       | 35       | 43      | 19      | 370          |
| 1-3/8      | 35         | DH-0822M35 | 49       | 35       | 50      | 19      | 370          |
| 1-7/16     |            | DH-0823    | 49       | 44       | 50      | 19      | 370          |
| 1-1/2      | 38         | DH-0824M38 | 52       | 44       | 50      | 22      | 400          |



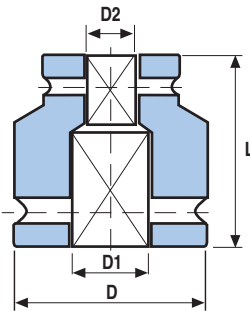
# ATP 1/2" SQUARE DRIVE

## ACCESSORIES



### Adapters

| PART# | FEMALE<br>in | MALE<br>in | L<br>in |
|-------|--------------|------------|---------|
| A0810 | 1/2          | 5/8        | 1.38    |
| A0812 | 1/2          | 3/4        | 1.69    |



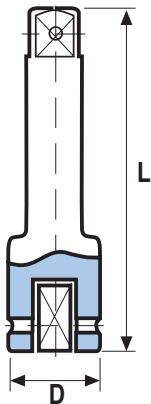
### Double Ended Female Adapters

| PART#  | D1<br>in | D2<br>in | L<br>in | D<br>in |
|--------|----------|----------|---------|---------|
| AN0808 | 1/2      | 1/2      | 1.29    | .984    |
| AN1208 | 3/4      | 1/2      | 1.93    | 1.73    |



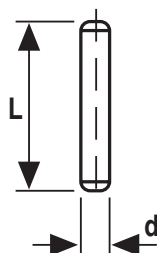
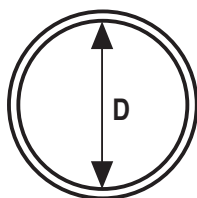
### Universal Joint

| SIZE<br>in | PART# |
|------------|-------|
| 1/2        | U0808 |



### Extensions

| PART# | D<br>in | L<br>in |
|-------|---------|---------|
| E0803 | 1.181   | 3       |
| E0805 | 1.181   | 5       |
| E0810 | 1.181   | 10      |



### Retaining Pins and Rings

| SQUARE<br>DRIVE | SOCKET<br>SIZES              | PIN#  | RING# | d<br>in | L<br>in | D<br>in |
|-----------------|------------------------------|-------|-------|---------|---------|---------|
| 1/2             | Up To 9/16" (14mm)           | P0825 | R0825 | .117    | .780    | .741    |
| 1/2             | From 9/16" To 1-3/16" (30mm) | P0830 | R0830 | .117    | .975    | .936    |
| 1/2             | Above 1-3/16" (30mm)         | P0835 | R0835 | .117    | 1.17    | 1.17    |



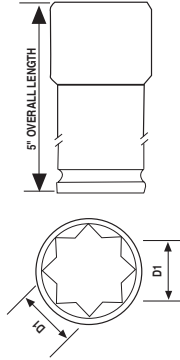
## UTILITY SOCKETS

### UTILITY SOCKETS (POWER LINE SOCKETS)

Z-081315S5 - 13/16" X 15/16"

Z-081618S5 - 1" X 1-1/8"

Specifically designed for hydraulic wrenches  
and impact wrenches



## RETAINING RING<sup>®</sup>

Ret Rings are tool accessories used to attach impact sockets to the square drive anvil. The ret ring is a one piece design socket retainer with a steel insert encapsulated to reinforce a stress point between the socket and anvil.

Specific application part numbers have been provided for each socket type, starting with 3/4" drive.



# ATP 3/4" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS

ATP 3/4" drive sockets (and larger) are also available by special order as Spark Resistant for use in mines, chemical plants, grain processors and anywhere explosive conditions exist.

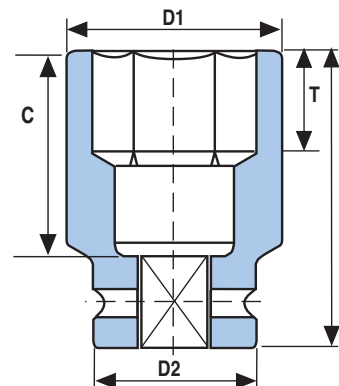
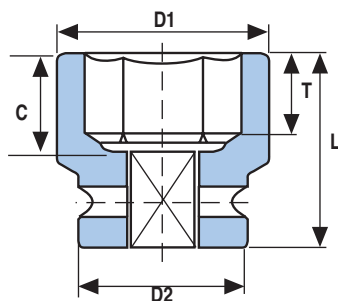


### Standard Fractional Sizes

| SIZE<br>in | PART#  | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|--------|----------|----------|---------|---------|---------|-------------|
| 1/2        | Z-1208 | .945     | 1.732    | 1.755   | .236    | .772    | RR10032S    |
| 9/16       | Z-1209 | .984     | 1.732    | 1.755   | .276    | .772    | RR10032S    |
| 5/8        | Z-1210 | 1.102    | 1.732    | 1.755   | .315    | .772    | RR10032S    |
| 11/16      | Z-1211 | 1.142    | 1.732    | 1.755   | .354    | .772    | RR10032S    |
| 3/4        | Z-1212 | 1.260    | 1.732    | 1.755   | .372    | .772    | RR10032S    |
| 13/16      | Z-1213 | 1.378    | 1.732    | 1.794   | .433    | .890    | RR10032S    |
| 7/8        | Z-1214 | 1.496    | 1.732    | 1.794   | .512    | .890    | RR10032S    |
| 15/16      | Z-1215 | 1.575    | 1.732    | 1.794   | .512    | .890    | RR10032S    |
| 1          | Z-1216 | 1.614    | 1.732    | 1.794   | .512    | .890    | RR10032S    |
| 1-1/16     | Z-1217 | 1.732    | 1.732    | 2.028   | .512    | 1.047   | RR10032S    |
| 1-1/8      | Z-1218 | 1.732    | 1.732    | 2.028   | .650    | 1.047   | RR10032S    |
| 1-3/16     | Z-1219 | 1.732    | 1.732    | 2.028   | .650    | 1.047   | RR10032S    |
| 1-1/4      | Z-1220 | 1.929    | 1.732    | 2.028   | .650    | 1.047   | RR10032S    |
| 1-5/16     | Z-1221 | 1.929    | 1.732    | 2.145   | .748    | 1.165   | RR10032S    |
| 1-3/8      | Z-1222 | 2.047    | 1.732    | 2.145   | .748    | 1.165   | RR10032S    |
| 1-7/16     | Z-1223 | 2.047    | 1.732    | 2.184   | .748    | 1.205   | RR10032S    |
| 1-1/2      | Z-1224 | 2.126    | 1.732    | 2.301   | .866    | 1.283   | RR10032S    |
| 1-9/16     | Z-1225 | 2.244    | 1.732    | 2.301   | .866    | 1.283   | RR10032S    |
| 1-5/8      | Z-1226 | 2.244    | 1.732    | 2.301   | .866    | 1.283   | RR10032S    |
| 1-11/16    | Z-1227 | 2.480    | 1.732    | 2.496   | .984    | 1.441   | RR10032S    |
| 1-3/4      | Z-1228 | 2.480    | 1.732    | 2.496   | .995    | 1.480   | RR10032S    |
| 1-13/16    | Z-1229 | 2.638    | 1.732    | 2.496   | .995    | 1.480   | RR10032S    |
| 1-7/8      | Z-1230 | 2.638    | 2.126    | 2.613   | 1.062   | 1.598   | RR10010S    |
| 1-15/16    | Z-1231 | 2.756    | 2.126    | 2.613   | 1.062   | 1.598   | RR10010S    |
| 2          | Z-1232 | 2.874    | 2.126    | 2.613   | 1.062   | 1.598   | RR10010S    |
| 2-1/16     | Z-1233 | 2.874    | 2.126    | 2.769   | 1.181   | 1.756   | RR10010S    |
| 2-1/8      | Z-1234 | 2.874    | 2.126    | 2.769   | 1.181   | 1.795   | RR10010S    |
| 2-3/16     | Z-1235 | 3.071    | 2.126    | 2.886   | 1.260   | 1.795   | RR10010S    |
| 2-1/4      | Z-1236 | 3.228    | 2.126    | 2.925   | 1.299   | 1.913   | RR10010S    |
| 2-5/16     | Z-1237 | 3.228    | 2.126    | 2.925   | 1.299   | 1.953   | RR10010S    |
| 2-3/8      | Z-1238 | 3.228    | 2.126    | 2.925   | 1.378   | 1.953   | RR10010S    |

### Deep Fractional Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|---------|----------|----------|---------|---------|---------|-------------|
| 1/2        | Z-1208L | .945     | 1.732    | 3.510   | .236    | 2.543   | RR10032S    |
| 9/16       | Z-1209L | .984     | 1.732    | 3.510   | .276    | 2.543   | RR10032S    |
| 5/8        | Z-1210L | 1.102    | 1.732    | 3.510   | .315    | 2.543   | RR10032S    |
| 11/16      | Z-1211L | 1.142    | 1.732    | 3.510   | .354    | 2.543   | RR10032S    |
| 3/4        | Z-1212L | 1.260    | 1.732    | 3.510   | .372    | 2.543   | RR10032S    |
| 13/16      | Z-1213L | 1.378    | 1.732    | 3.510   | .433    | 2.543   | RR10032S    |
| 7/8        | Z-1214L | 1.496    | 1.732    | 3.510   | .512    | 2.543   | RR10032S    |
| 15/16      | Z-1215L | 1.575    | 1.732    | 3.510   | .512    | 2.543   | RR10032S    |
| 1          | Z-1216L | 1.614    | 1.732    | 3.510   | .512    | 2.543   | RR10032S    |
| 1-1/16     | Z-1217L | 1.732    | 1.732    | 3.510   | .512    | 2.543   | RR10032S    |
| 1-1/8      | Z-1218L | 1.732    | 1.732    | 3.510   | .650    | 2.543   | RR10032S    |
| 1-3/16     | Z-1219L | 1.732    | 1.732    | 3.510   | .650    | 2.543   | RR10032S    |
| 1-1/4      | Z-1220L | 1.929    | 1.732    | 3.510   | .669    | 2.543   | RR10032S    |
| 1-5/16     | Z-1221L | 1.929    | 1.732    | 3.510   | .748    | 2.543   | RR10032S    |
| 1-3/8      | Z-1222L | 2.047    | 1.732    | 3.510   | .748    | 2.543   | RR10032S    |
| 1-7/16     | Z-1223L | 2.047    | 1.732    | 3.510   | .748    | 2.543   | RR10032S    |
| 1-1/2      | Z-1224L | 2.126    | 1.732    | 3.510   | .866    | 2.543   | RR10032S    |
| 1-9/16     | Z-1225L | 2.244    | 1.732    | 3.510   | .866    | 2.543   | RR10032S    |
| 1-5/8      | Z-1226L | 2.244    | 1.732    | 3.510   | .866    | 2.543   | RR10032S    |
| 1-11/16    | Z-1227L | 2.480    | 1.732    | 3.510   | .984    | 2.543   | RR10032S    |
| 1-3/4      | Z-1228L | 2.480    | 1.732    | 3.510   | .995    | 2.543   | RR10032S    |
| 1-13/16    | Z-1229L | 2.638    | 1.732    | 3.510   | .995    | 2.543   | RR10032S    |
| 1-7/8      | Z-1230L | 2.638    | 2.126    | 3.510   | 1.062   | 2.543   | RR10010S    |
| 1-15/16    | Z-1231L | 2.756    | 2.126    | 3.510   | 1.062   | 2.543   | RR10010S    |
| 2          | Z-1232L | 2.874    | 2.126    | 3.510   | 1.062   | 2.543   | RR10010S    |
| 2-1/16     | Z-1233L | 2.874    | 2.126    | 3.666   | 1.181   | 2.701   | RR10010S    |
| 2-1/8      | Z-1234L | 2.874    | 2.126    | 3.666   | 1.181   | 2.740   | RR10010S    |
| 2-3/16     | Z-1235L | 3.071    | 2.126    | 3.666   | 1.260   | 2.740   | RR10010S    |
| 2-1/4      | Z-1236L | 3.228    | 2.126    | 3.822   | 1.299   | 2.858   | RR10010S    |
| 2-5/16     | Z-1237L | 3.228    | 2.126    | 3.822   | 1.299   | 2.898   | RR10010S    |
| 2-3/8      | Z-1238L | 3.228    | 2.126    | 3.822   | 1.378   | 2.898   | RR10010S    |



# ATP 3/4" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



### Standard Metric Sizes

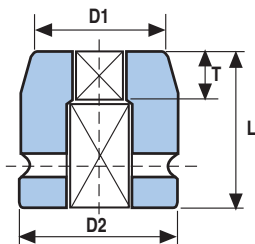


| SIZE<br>mm | PART#   | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm | RET<br>RING |
|------------|---------|----------|----------|---------|---------|---------|-------------|
| 13         | Z-12M13 | 25       | 44       | 45      | 6       | 20      | RR10032S    |
| 14         | Z-12M14 | 25       | 44       | 45      | 7       | 20      | RR10032S    |
| 15         | Z-12M15 | 28       | 44       | 45      | 7       | 20      | RR10032S    |
| 16         | Z-12M16 | 29       | 44       | 45      | 7       | 20      | RR10032S    |
| 17         | Z-12M17 | 29       | 44       | 45      | 9       | 20      | RR10032S    |
| 18         | Z-12M18 | 32       | 44       | 45      | 9.5     | 20      | RR10032S    |
| 19         | Z-12M19 | 32       | 44       | 45      | 9.5     | 20      | RR10032S    |
| 20         | Z-12M20 | 35       | 44       | 46      | 10      | 21      | RR10032S    |
| 21         | Z-12M21 | 35       | 44       | 46      | 10      | 21      | RR10032S    |
| 22         | Z-12M22 | 38       | 44       | 46      | 10      | 21      | RR10032S    |
| 23         | Z-12M23 | 38       | 44       | 46      | 12      | 21      | RR10032S    |
| 24         | Z-12M24 | 40       | 44       | 46      | 12      | 21      | RR10032S    |
| 25         | Z-12M25 | 41       | 44       | 46      | 13      | 21      | RR10032S    |
| 26         | Z-12M26 | 41       | 44       | 46      | 13      | 21      | RR10032S    |
| 27         | Z-12M27 | 41       | 44       | 48      | 13      | 23      | RR10032S    |
| 28         | Z-12M28 | 44       | 44       | 48      | 14      | 23      | RR10032S    |
| 29         | Z-12M29 | 44       | 44       | 52      | 14      | 27      | RR10032S    |
| 30         | Z-12M30 | 44       | 44       | 52      | 16.5    | 27      | RR10032S    |
| 31         | Z-12M31 | 49       | 44       | 52      | 16.5    | 27      | RR10032S    |
| 32         | Z-12M32 | 49       | 44       | 52      | 16.5    | 27      | RR10032S    |
| 33         | Z-12M33 | 49       | 44       | 55      | 17      | 30      | RR10032S    |
| 34         | Z-12M34 | 52       | 44       | 55      | 17      | 30      | RR10032S    |
| 35         | Z-12M35 | 52       | 44       | 55      | 19      | 30      | RR10032S    |
| 36         | Z-12M36 | 52       | 44       | 56      | 19      | 31      | RR10032S    |
| 37         | Z-12M37 | 54       | 44       | 56      | 19      | 31      | RR10032S    |
| 38         | Z-12M38 | 54       | 44       | 59      | 22      | 34      | RR10032S    |
| 39         | Z-12M39 | 57       | 44       | 59      | 21.5    | 34      | RR10032S    |
| 40         | Z-12M40 | 57       | 44       | 59      | 21.5    | 34      | RR10032S    |
| 41         | Z-12M41 | 57       | 44       | 59      | 22      | 34      | RR10032S    |
| 42         | Z-12M42 | 60       | 44       | 59      | 21.5    | 34      | RR10032S    |
| 43         | Z-12M43 | 63       | 44       | 64      | 25      | 39      | RR10032S    |
| 44         | Z-12M44 | 63       | 44       | 64      | 21.5    | 39      | RR10032S    |
| 45         | Z-12M45 | 63       | 44       | 64      | 21.5    | 39      | RR10032S    |
| 46         | Z-12M46 | 67       | 44       | 64      | 25.5    | 39      | RR10032S    |
| 47         | Z-12M47 | 67       | 54       | 64      | 23.5    | 39      | RR10010S    |
| 48         | Z-12M48 | 67       | 54       | 67      | 23.5    | 42      | RR10010S    |
| 49         | Z-12M49 | 70       | 54       | 67      | 27      | 42      | RR10010S    |
| 50         | Z-12M50 | 70       | 54       | 67      | 23.5    | 42      | RR10010S    |
| 51         | Z-12M51 | 73       | 54       | 67      | 27      | 42      | RR10010S    |
| 52         | Z-12M52 | 73       | 54       | 70      | 27      | 45      | RR10010S    |
| 54         | Z-12M54 | 78       | 54       | 71      | 30      | 46      | RR10010S    |
| 55         | Z-12M55 | 78       | 54       | 71      | 27      | 46      | RR10010S    |
| 56         | Z-12M56 | 78       | 54       | 74      | 28      | 49      | RR10010S    |
| 57         | Z-12M57 | 82       | 54       | 75      | 33      | 50      | RR10010S    |
| 58         | Z-12M58 | 82       | 54       | 75      | 28      | 50      | RR10010S    |
| 59         | Z-12M59 | 82       | 54       | 75      | 33      | 50      | RR10010S    |
| 60         | Z-12M60 | 82       | 54       | 75      | 28      | 50      | RR10010S    |
| 61         | Z-12M61 | 86       | 54       | 75      | 28      | 50      | RR10010S    |

### Deep Metric Sizes

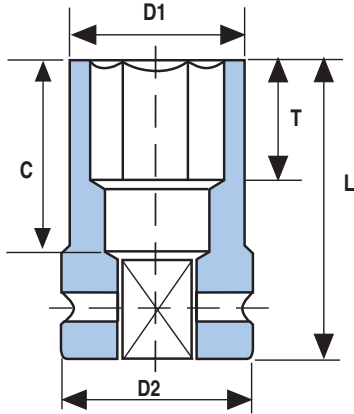


| SIZE<br>mm | PART#    | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 13         | Z-12M13L | 25       | 44       | 90      | 6       | 65      | RR10032S    |
| 14         | Z-12M14L | 25       | 44       | 90      | 7       | 65      | RR10032S    |
| 15         | Z-12M15L | 28       | 44       | 90      | 7       | 65      | RR10032S    |
| 16         | Z-12M16L | 29       | 44       | 90      | 7       | 65      | RR10032S    |
| 17         | Z-12M17L | 29       | 44       | 90      | 9       | 65      | RR10032S    |
| 18         | Z-12M18L | 32       | 44       | 90      | 9       | 65      | RR10032S    |
| 19         | Z-12M19L | 32       | 44       | 90      | 9.5     | 65      | RR10032S    |
| 20         | Z-12M20L | 35       | 44       | 90      | 10      | 65      | RR10032S    |
| 21         | Z-12M21L | 35       | 44       | 90      | 10      | 65      | RR10032S    |
| 22         | Z-12M22L | 38       | 44       | 90      | 10      | 65      | RR10032S    |
| 23         | Z-12M23L | 38       | 44       | 90      | 12      | 65      | RR10032S    |
| 24         | Z-12M24L | 40       | 44       | 90      | 12      | 65      | RR10032S    |
| 25         | Z-12M25L | 41       | 44       | 90      | 13      | 65      | RR10032S    |
| 26         | Z-12M26L | 41       | 44       | 90      | 13      | 65      | RR10032S    |
| 27         | Z-12M27L | 41       | 44       | 90      | 13      | 65      | RR10032S    |
| 28         | Z-12M28L | 44       | 44       | 90      | 14      | 65      | RR10032S    |
| 29         | Z-12M29L | 44       | 44       | 90      | 14      | 65      | RR10032S    |
| 30         | Z-12M30L | 44       | 44       | 90      | 16.5    | 65      | RR10032S    |
| 31         | Z-12M31L | 49       | 44       | 90      | 16.5    | 65      | RR10032S    |
| 32         | Z-12M32L | 49       | 44       | 90      | 16.5    | 65      | RR10032S    |
| 33         | Z-12M33L | 49       | 44       | 90      | 17      | 65      | RR10032S    |
| 34         | Z-12M34L | 52       | 44       | 90      | 17      | 65      | RR10032S    |
| 35         | Z-12M35L | 52       | 44       | 90      | 19      | 65      | RR10032S    |
| 36         | Z-12M36L | 52       | 44       | 90      | 19      | 65      | RR10032S    |
| 37         | Z-12M37L | 54       | 44       | 90      | 19      | 65      | RR10032S    |
| 38         | Z-12M38L | 54       | 44       | 90      | 22      | 65      | RR10032S    |
| 39         | Z-12M39L | 57       | 44       | 90      | 21.5    | 65      | RR10032S    |
| 40         | Z-12M40L | 57       | 44       | 90      | 21.5    | 65      | RR10032S    |
| 41         | Z-12M41L | 57       | 44       | 90      | 22      | 65      | RR10032S    |
| 42         | Z-12M42L | 60       | 44       | 90      | 21.5    | 65      | RR10032S    |
| 43         | Z-12M43L | 63       | 44       | 90      | 25      | 65      | RR10032S    |
| 44         | Z-12M44L | 63       | 44       | 90      | 21.5    | 65      | RR10032S    |
| 45         | Z-12M45L | 63       | 44       | 90      | 21.5    | 65      | RR10032S    |
| 46         | Z-12M46L | 67       | 44       | 90      | 25.5    | 65      | RR10032S    |
| 47         | Z-12M47L | 67       | 54       | 90      | 23.5    | 65      | RR10010S    |
| 48         | Z-12M48L | 67       | 54       | 90      | 23.5    | 65      | RR10010S    |
| 49         | Z-12M49L | 70       | 54       | 90      | 27      | 65      | RR10010S    |
| 50         | Z-12M50L | 70       | 54       | 90      | 23.5    | 65      | RR10010S    |
| 51         | Z-12M51L | 73       | 54       | 94      | 27      | 65      | RR10010S    |
| 52         | Z-12M52L | 73       | 54       | 94      | 27      | 65      | RR10010S    |
| 54         | Z-12M54L | 78       | 54       | 94      | 30      | 69      | RR10010S    |
| 55         | Z-12M55L | 78       | 54       | 94      | 27      | 69      | RR10010S    |
| 56         | Z-12M56L | 78       | 54       | 98      | 28      | 69      | RR10010S    |
| 57         | Z-12M57L | 82       | 54       | 98      | 33      | 73      | RR10010S    |
| 58         | Z-12M58L | 82       | 54       | 98      | 28      | 73      | RR10010S    |
| 59         | Z-12M59L | 82       | 54       | 98      | 33      | 73      | RR10010S    |
| 60         | Z-12M60L | 82       | 54       | 98      | 28      | 73      | RR10010S    |
| 61         | Z-12M61L | 86       | 54       | 98      | 28      | 73      | RR10010S    |



# ATP 3/4" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS

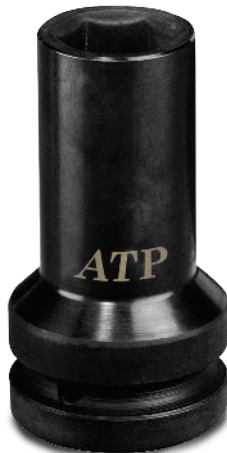


### Standard Fractional Thinwall Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|---------|----------|----------|---------|---------|---------|-------------|
| 11/16      | Z-1211T | 1.102    | 1.732    | 1.755   | .354    | .969    | RR10032S    |
| 3/4        | Z-1212T | 1.181    | 1.732    | 1.755   | .375    | .969    | RR10032S    |
| 13/16      | Z-1213T | 1.378    | 1.732    | 1.794   | .433    | .969    | RR10032S    |
| 7/8        | Z-1214T | 1.378    | 1.732    | 1.794   | .512    | .969    | RR10032S    |
| 15/16      | Z-1215T | 1.378    | 1.732    | 1.794   | .512    | .969    | RR10032S    |
| 1          | Z-1216T | 1.496    | 1.732    | 1.794   | .512    | .969    | RR10032S    |
| 1-1/16     | Z-1217T | 1.614    | 1.732    | 1.872   | .512    | 1.047   | RR10032S    |
| 1-1/8      | Z-1218T | 1.614    | 1.732    | 2.028   | .650    | 1.047   | RR10032S    |
| 1-3/16     | Z-1219T | 1.732    | 1.732    | 2.028   | .650    | 1.047   | RR10032S    |
| 1-1/4      | Z-1220T | 1.732    | 1.732    | 2.028   | .669    | 1.047   | RR10032S    |
| 1-5/16     | Z-1221T | 1.929    | 1.732    | 2.145   | .748    | 1.165   | RR10032S    |
| 1-3/8      | Z-1222T | 2.047    | 1.732    | 2.145   | .748    | 1.165   | RR10032S    |
| 1-7/16     | Z-1223T | 2.047    | 1.732    | 2.184   | .748    | 1.205   | RR10032S    |
| 1-1/2      | Z-1224T | 2.126    | 1.732    | 2.301   | .866    | 1.283   | RR10032S    |
| 1-9/16     | Z-1225T | 2.126    | 1.732    | 2.301   | .866    | 1.283   | RR10032S    |
| 1-5/8      | Z-1226T | 2.126    | 1.732    | 2.301   | .866    | 1.283   | RR10032S    |
| 1-11/16    | Z-1227T | 2.362    | 1.732    | 2.496   | .984    | 1.441   | RR10032S    |
| 1-3/4      | Z-1228T | 2.362    | 1.732    | 2.496   | .995    | 1.480   | RR10032S    |
| 1-13/16    | Z-1229T | 2.480    | 1.732    | 2.496   | .995    | 1.480   | RR10032S    |

### Standard Metric Thinwall Sizes

| SIZE<br>mm | PART#    | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 17         | Z-12M17T | 28       | 44       | 45      | 9       | 20      | RR10032S    |
| 18         | Z-12M18T | 30       | 44       | 45      | 9       | 20      | RR10032S    |
| 19         | Z-12M19T | 30       | 44       | 45      | 9.5     | 21      | RR10032S    |
| 20         | Z-12M20T | 30       | 44       | 46      | 10      | 21      | RR10032S    |
| 21         | Z-12M21T | 35       | 44       | 46      | 10      | 21      | RR10032S    |
| 22         | Z-12M22T | 35       | 44       | 46      | 10      | 21      | RR10032S    |
| 23         | Z-12M23T | 35       | 44       | 46      | 12      | 21      | RR10032S    |
| 24         | Z-12M24T | 38       | 44       | 46      | 12      | 21      | RR10032S    |
| 25         | Z-12M25T | 38       | 44       | 46      | 13      | 21      | RR10032S    |
| 26         | Z-12M26T | 41       | 44       | 46      | 13      | 21      | RR10032S    |
| 27         | Z-12M27T | 41       | 44       | 48      | 13      | 23      | RR10032S    |
| 28         | Z-12M28T | 41       | 44       | 48      | 14      | 23      | RR10032S    |
| 29         | Z-12M29T | 41       | 44       | 52      | 14      | 27      | RR10032S    |
| 30         | Z-12M30T | 41       | 44       | 52      | 16.5    | 27      | RR10032S    |
| 31         | Z-12M31T | 44       | 44       | 52      | 16.5    | 27      | RR10032S    |
| 32         | Z-12M32T | 48       | 44       | 52      | 16.5    | 27      | RR10032S    |
| 33         | Z-12M33T | 48       | 44       | 55      | 17      | 30      | RR10032S    |
| 34         | Z-12M34T | 49       | 44       | 55      | 17      | 30      | RR10032S    |
| 35         | Z-12M35T | 50       | 44       | 55      | 19      | 30      | RR10032S    |
| 36         | Z-12M36T | 52       | 44       | 56      | 19      | 31      | RR10032S    |
| 37         | Z-12M37T | 52       | 44       | 56      | 19      | 31      | RR10032S    |
| 38         | Z-12M38T | 52       | 44       | 59      | 22      | 34      | RR10032S    |
| 39         | Z-12M39T | 54       | 44       | 59      | 21.5    | 34      | RR10032S    |
| 40         | Z-12M40T | 54       | 44       | 59      | 21.5    | 34      | RR10032S    |
| 41         | Z-12M41T | 54       | 44       | 59      | 22      | 34      | RR10032S    |
| 42         | Z-12M42T | 57       | 44       | 59      | 21.5    | 34      | RR10032S    |
| 43         | Z-12M43T | 60       | 44       | 64      | 25      | 39      | RR10032S    |
| 44         | Z-12M44T | 60       | 44       | 64      | 21.5    | 39      | RR10032S    |
| 45         | Z-12M45T | 60       | 44       | 64      | 21.5    | 39      | RR10032S    |
| 46         | Z-12M46T | 63       | 44       | 64      | 25.5    | 39      | RR10032S    |



# ATP 3/4" SQUARE DRIVE

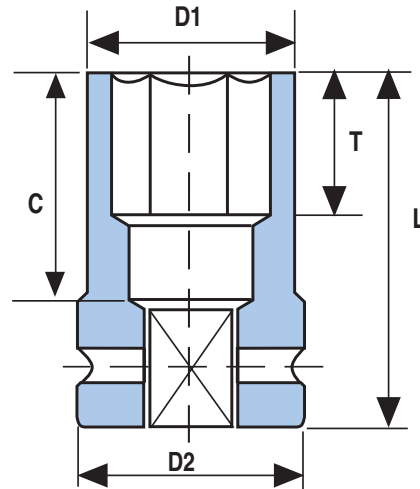
## SIX POINT IMPACT SOCKETS



### Deep Fractional Thinwall Sizes



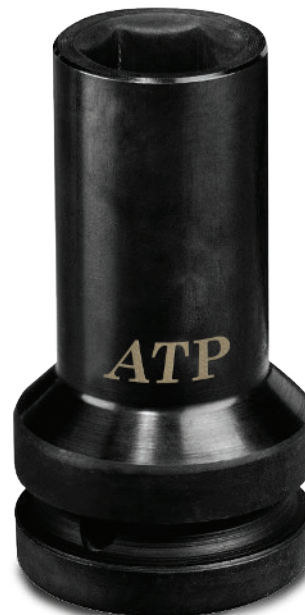
| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 11/16      | Z-1211LT | 1.102    | 1.732    | 3.510   | 0.709   | 2.543   | RR10032S    |
| 3/4        | Z-1212LT | 1.181    | 1.732    | 3.510   | 0.748   | 2.543   | RR10032S    |
| 13/16      | Z-1213LT | 1.378    | 1.732    | 3.510   | 0.866   | 2.543   | RR10032S    |
| 7/8        | Z-1214LT | 1.378    | 1.732    | 3.510   | 1.024   | 2.543   | RR10032S    |
| 15/16      | Z-1215LT | 1.378    | 1.732    | 3.510   | 1.024   | 2.543   | RR10032S    |
| 1          | Z-1216LT | 1.496    | 1.732    | 3.510   | 1.024   | 2.543   | RR10032S    |
| 1-1/16     | Z-1217LT | 1.614    | 1.732    | 3.510   | 1.024   | 2.543   | RR10032S    |
| 1-1/8      | Z-1218LT | 1.614    | 1.732    | 3.510   | 1.299   | 2.543   | RR10032S    |
| 1-3/16     | Z-1219LT | 1.732    | 1.732    | 3.510   | 1.299   | 2.543   | RR10032S    |
| 1-1/4      | Z-1220LT | 1.732    | 1.732    | 3.510   | 1.339   | 2.543   | RR10032S    |
| 1-5/16     | Z-1221LT | 1.929    | 1.732    | 3.510   | 1.496   | 2.543   | RR10032S    |
| 1-3/8      | Z-1222LT | 2.047    | 1.732    | 3.510   | 1.496   | 2.543   | RR10032S    |
| 1-7/16     | Z-1223LT | 2.047    | 1.732    | 3.510   | 1.496   | 2.543   | RR10032S    |
| 1-1/2      | Z-1224LT | 2.126    | 1.732    | 3.510   | 1.732   | 2.543   | RR10032S    |
| 1-9/16     | Z-1225LT | 2.126    | 1.732    | 3.510   | 1.732   | 2.543   | RR10032S    |
| 1-5/8      | Z-1226LT | 2.126    | 1.732    | 3.510   | 1.732   | 2.543   | RR10032S    |
| 1-11/16    | Z-1227LT | 2.362    | 1.732    | 3.510   | 1.969   | 2.543   | RR10032S    |
| 1-3/4      | Z-1228LT | 2.362    | 1.732    | 3.510   | 2.008   | 2.543   | RR10032S    |
| 1-13/16    | Z-1229LT | 2.480    | 1.732    | 3.510   | 2.008   | 2.543   | RR10032S    |



### Deep Metric Thinwall Sizes

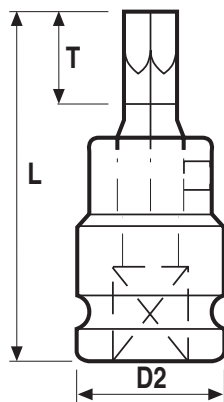


| SIZE<br>mm | PART#     | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm | RET<br>RING |
|------------|-----------|----------|----------|---------|---------|---------|-------------|
| 17         | Z-12M17LT | 28       | 44       | 90      | 18      | 65      | RR10032S    |
| 18         | Z-12M18LT | 30       | 44       | 90      | 18      | 65      | RR10032S    |
| 19         | Z-12M19LT | 30       | 44       | 90      | 19      | 65      | RR10032S    |
| 20         | Z-12M20LT | 30       | 44       | 90      | 20      | 65      | RR10032S    |
| 21         | Z-12M21LT | 35       | 44       | 90      | 20      | 65      | RR10032S    |
| 22         | Z-12M22LT | 35       | 44       | 90      | 20      | 65      | RR10032S    |
| 23         | Z-12M23LT | 35       | 44       | 90      | 24      | 65      | RR10032S    |
| 24         | Z-12M24LT | 38       | 44       | 90      | 24      | 65      | RR10032S    |
| 25         | Z-12M25LT | 38       | 44       | 90      | 26      | 65      | RR10032S    |
| 26         | Z-12M26LT | 41       | 44       | 90      | 26      | 65      | RR10032S    |
| 27         | Z-12M27LT | 41       | 44       | 90      | 26      | 65      | RR10032S    |
| 28         | Z-12M28LT | 41       | 44       | 90      | 28      | 65      | RR10032S    |
| 29         | Z-12M29LT | 41       | 44       | 90      | 28      | 65      | RR10032S    |
| 30         | Z-12M30LT | 41       | 44       | 90      | 33      | 65      | RR10032S    |
| 31         | Z-12M31LT | 44       | 44       | 90      | 33      | 65      | RR10032S    |
| 32         | Z-12M32LT | 48       | 44       | 90      | 33      | 65      | RR10032S    |
| 33         | Z-12M33LT | 48       | 44       | 90      | 34      | 65      | RR10032S    |
| 34         | Z-12M34LT | 49       | 44       | 90      | 34      | 65      | RR10032S    |
| 35         | Z-12M35LT | 50       | 44       | 90      | 38      | 65      | RR10032S    |
| 36         | Z-12M36LT | 52       | 44       | 90      | 38      | 65      | RR10032S    |
| 37         | Z-12M37LT | 52       | 44       | 90      | 38      | 65      | RR10032S    |
| 38         | Z-12M38LT | 52       | 44       | 90      | 44      | 65      | RR10032S    |
| 39         | Z-12M39LT | 54       | 44       | 90      | 43      | 65      | RR10032S    |
| 40         | Z-12M40LT | 54       | 44       | 90      | 43      | 65      | RR10032S    |
| 41         | Z-12M41LT | 54       | 44       | 90      | 44      | 65      | RR10032S    |
| 42         | Z-12M42LT | 57       | 44       | 90      | 43      | 65      | RR10032S    |
| 43         | Z-12M43LT | 60       | 44       | 90      | 50      | 65      | RR10032S    |
| 44         | Z-12M44LT | 60       | 44       | 90      | 43      | 65      | RR10032S    |
| 45         | Z-12M45LT | 60       | 44       | 90      | 43      | 65      | RR10032S    |
| 46         | Z-12M46LT | 63       | 44       | 90      | 51      | 65      | RR10032S    |



# ATP 3/4" SQUARE DRIVE

## HEX DRIVER SOCKETS



### Fractional Sizes

| SIZE<br>in | PART#   | D2<br>in | L<br>in | T<br>in | RET<br>RING |
|------------|---------|----------|---------|---------|-------------|
| 3/8        | Z-1206V | 1.496    | 2.637   | 1.130   | 10005S      |
| 7/16       | Z-1207V | 1.496    | 2.637   | 1.13    | 10005S      |
| 1/2        | Z-1208V | 1.496    | 2.637   | 1.130   | 10005S      |
| 9/16       | Z-1209V | 1.496    | 2.637   | 1.130   | 10005S      |
| 5/8        | Z-1210V | 1.496    | 2.637   | 1.130   | 10005S      |
| 3/4        | Z-1212V | 1.732    | 2.637   | 1.130   | 10032S      |
| 13/16      | Z-1213V | 1.732    | 2.795   | 1.295   | 10032S      |
| 7/8        | Z-1214V | 1.732    | 2.795   | 1.295   | 10032S      |
| 1          | Z-1216V | 1.732    | 2.795   | 1.295   | 10032S      |

Note: 2-piece construction

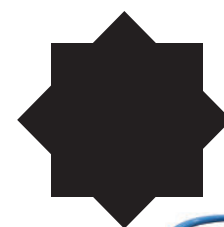
### Metric Sizes

| SIZE<br>mm | PART#    | D2<br>mm | L<br>mm | T<br>mm | RET<br>RING |
|------------|----------|----------|---------|---------|-------------|
| 10         | Z-12M10V | 38       | 67      | 29      | 10005S      |
| 12         | Z-12M12V | 38       | 67      | 29      | 10005S      |
| 14         | Z-12M14V | 38       | 67      | 29      | 10005S      |
| 17         | Z-12M17V | 38       | 67      | 29      | 10005S      |
| 19         | Z-12M19V | 44       | 67      | 29      | 10032S      |
| 22         | Z-12M22V | 44       | 71      | 33      | 10032S      |
| 24         | Z-12M24V | 44       | 71      | 33      | 10032S      |

Note: 2-piece construction



## DOUBLE SQUARE EIGHT POINT IMPACT SOCKETS



### Standard Fractional Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|---------|----------|----------|---------|---------|---------|-------------|
| 1-1/4      | DS-1220 | 2.362    | 1.732    | 2.067   | .669    | 1.087   | RR10032S    |
| 1-5/16     | DS-1221 | 2.480    | 1.732    | 2.067   | .748    | 1.087   | RR10032S    |
| 1-3/8      | DS-1222 | 2.638    | 1.732    | 2.067   | .748    | 1.087   | RR10032S    |
| 1-7/16     | DS-1223 | 2.638    | 1.732    | 2.223   | .748    | 1.244   | RR10032S    |
| 1-1/2      | DS-1224 | 2.638    | 1.732    | 2.223   | .866    | 1.244   | RR10032S    |
| 1-9/16     | DS-1225 | 3.071    | 2.126    | 2.223   | .866    | 1.244   | RR10010S    |
| 1-5/8      | DS-1226 | 3.071    | 2.126    | 2.223   | .866    | 1.244   | RR10010S    |
| 1-11/16    | DS-1227 | 3.228    | 2.126    | 2.418   | .984    | 1.441   | RR10010S    |
| 1-3/4      | DS-1228 | 3.228    | 2.126    | 2.457   | 1.005   | 1.480   | RR10010S    |
| 1-13/16    | DS-1229 | 3.228    | 2.126    | 2.457   | 1.005   | 1.480   | RR10010S    |
| 1-7/8      | DS-1230 | 3.228    | 2.126    | 2.535   | 1.063   | 1.559   | RR10010S    |

### Deep Fractional Sizes

| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 1-1/4      | DS-1220L | 2.362    | 1.732    | 3.159   | .669    | 2.189   | RR10032S    |
| 1-5/16     | DS-1221L | 2.480    | 1.732    | 3.159   | .748    | 2.189   | RR10032S    |
| 1-3/8      | DS-1222L | 2.638    | 1.732    | 3.159   | .748    | 2.189   | RR10032S    |
| 1-7/16     | DS-1223L | 2.638    | 1.732    | 3.159   | .748    | 2.189   | RR10032S    |
| 1-1/2      | DS-1224L | 2.638    | 1.732    | 3.159   | .866    | 2.189   | RR10032S    |
| 1-9/16     | DS-1225L | 3.071    | 2.126    | 3.159   | .866    | 2.189   | RR10010S    |
| 1-5/8      | DS-1226L | 3.071    | 2.126    | 3.159   | .866    | 2.189   | RR10010S    |
| 1-11/16    | DS-1227L | 3.228    | 2.126    | 3.159   | .984    | 2.189   | RR10010S    |
| 1-3/4      | DS-1228L | 3.228    | 2.126    | 3.159   | 1.005   | 2.189   | RR10010S    |
| 1-13/16    | DS-1229L | 3.228    | 2.126    | 3.159   | 1.005   | 2.189   | RR10010S    |
| 1-7/8      | DS-1230L | 3.228    | 2.126    | 3.159   | 1.063   | 2.189   | RR10010S    |

# ATP 3/4" SQUARE DRIVE

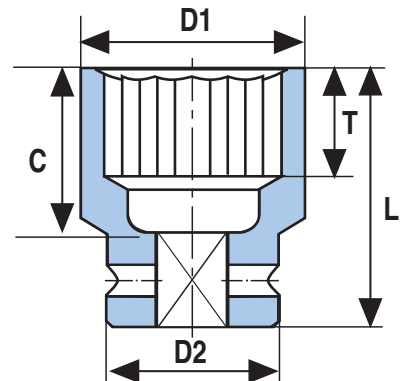
## 12 POINT IMPACT SOCKETS



### 12 Point Impact Socket Sizes



| SIZE<br>in | SIZE<br>mm | PART#      | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | Weight<br>gr | RET<br>RING |
|------------|------------|------------|----------|----------|---------|---------|--------------|-------------|
| 3/4        | 19         | DH-1212M19 | 32       | 44       | 45      | 9.5     | 290          | RR10032S    |
| 15/16      |            | DH-1215    | 40       | 44       | 46      | 13.0    | 340          | RR10032S    |
| 1          |            | DH-1216    | 41       | 44       | 46      | 13.0    | 340          | RR10032S    |
| 1-1/16     | 27         | DH-1217M27 | 41       | 44       | 48      | 13.0    | 340          | RR10032S    |
| 1-1/8      |            | DH-1218    | 44       | 44       | 52      | 16.5    | 380          | RR10032S    |
| 1-3/16     | 30         | DH-1219M30 | 44       | 44       | 52      | 16.5    | 380          | RR10032S    |
| 1-1/4      |            | DH-1220    | 49       | 44       | 52      | 17.0    | 420          | RR10032S    |
| 1-5/16     |            | DH-1221    | 49       | 44       | 55      | 19.0    | 430          | RR10032S    |
|            | 33         | DH-12M33   | 49       | 44       | 55      | 17.0    | 430          | RR10032S    |
|            | 34         | DH-12M34   | 52       | 44       | 55      | 19.0    | 460          | RR10032S    |
| 1-3/8      | 35         | DH-1222M35 | 52       | 44       | 55      | 19.0    | 460          | RR10032S    |
|            | 36         | DH-12M36   | 52       | 44       | 55      | 19.0    | 460          | RR10032S    |
| 1-7/16     |            | DH-1223    | 52       | 44       | 56      | 19.0    | 460          | RR10032S    |
|            | 37         | DH-12M37   | 54       | 44       | 56      | 19.0    | 490          | RR10032S    |
| 1-1/2      | 38         | DH-1224M38 | 54       | 44       | 59      | 22.0    | 490          | RR10032S    |
|            | 39         | DH-12M39   | 57       | 44       | 59      | 22.0    | 520          | RR10032S    |
| 1-9/16     |            | DH-1225    | 57       | 44       | 59      | 22.0    | 520          | RR10032S    |
|            | 40         | DH-12M40   | 57       | 44       | 59      | 22.0    | 520          | RR10032S    |
| 1-5/8      | 41         | DH-1226M41 | 57       | 44       | 59      | 22.0    | 520          | RR10032S    |
|            | 42         | DH-12M42   | 60       | 44       | 59      | 22.0    | 520          | RR10032S    |
| 1-11/16    | 43         | DH-1227M43 | 63       | 44       | 64      | 25.0    | 600          | RR10032S    |
|            | 44         | DH-12M44   | 63       | 44       | 64      | 25.0    | 600          | RR10032S    |
| 1-3/4      |            | DH-1228    | 63       | 44       | 64      | 25.0    | 600          | RR10032S    |
|            | 45         | DH-12M45   | 63       | 44       | 64      | 25.0    | 600          | RR10032S    |
| 1-13/16    | 46         | DH-1229M46 | 67       | 44       | 64      | 25.0    | 850          | RR10032S    |
|            | 47         | DH-12M47   | 67       | 54       | 64      | 25.0    | 850          | RR10010S    |
| 1-7/8      |            | DH-1230    | 67       | 54       | 67      | 27.0    | 910          | RR10010S    |
|            | 48         | DH-12M48   | 67       | 54       | 67      | 27.0    | 910          | RR10010S    |
| 1-15/16    | 49         | DH-1231M49 | 70       | 54       | 67      | 27.0    | 950          | RR10010S    |
|            | 50         | DH-12M50   | 70       | 54       | 67      | 27.0    | 950          | RR10010S    |
| 2          | 51         | DH-1232M51 | 73       | 54       | 67      | 27.0    | 1040         | RR10010S    |
|            | 52         | DH-12M52   | 73       | 54       | 70      | 27.0    | 1040         | RR10010S    |
| 2-1/16     |            | DH-1233    | 73       | 54       | 71      | 30.0    | 1040         | RR10010S    |
| 2-1/8      | 54         | DH-1234M54 | 73       | 54       | 71      | 30.0    | 1040         | RR10010S    |
|            | 55         | DH-12M55   | 78       | 54       | 71      | 30.0    | 1200         | RR10010S    |
| 2-3/16     |            | DH-1235    | 78       | 54       | 74      | 32.0    | 1200         | RR10010S    |
|            | 56         | DH-12M56   | 78       | 54       | 74      | 32.0    | 1200         | RR10010S    |
| 2-1/4      | 57         | DH-1236M57 | 82       | 54       | 75      | 33.0    | 1320         | RR10010S    |
|            | 58         | DH-12M58   | 82       | 54       | 75      | 33.0    | 1320         | RR10010S    |
| 2-5/16     | 59         | DH-1237M59 | 82       | 54       | 75      | 33.0    | 1320         | RR10010S    |
|            | 60         | DH-12M60   | 82       | 54       | 75      | 33.0    | 1320         | RR10010S    |
| 2-3/8      |            | DH-1238    | 82       | 54       | 75      | 35.0    | 1320         | RR10010S    |
|            | 61         | DH-12M61   | 86       | 54       | 75      | 35.0    | 1430         | RR10010S    |



# ATP 3/4" SQUARE DRIVE

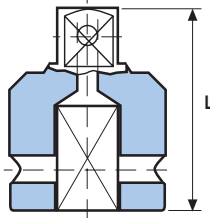
## ACCESSORIES



### Universal Joint



| SIZE<br>in | PART# | RET<br>RING |
|------------|-------|-------------|
| 3/4        | U1212 | RR10032S    |



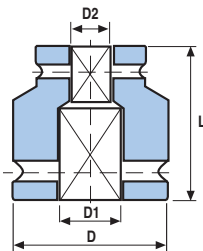
### Adapters



| PART# | FEMALE<br>in | MALE<br>in | L<br>in | RET<br>RING |
|-------|--------------|------------|---------|-------------|
| A1208 | 3/4          | 1/2        | 2.165   | RR10032S    |
| A1216 | 3/4          | 1          | 2.322   | RR10032S    |



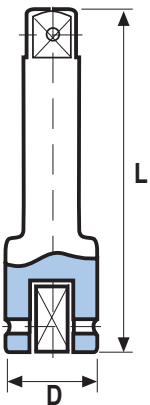
### Double Ended Female Adapters



| PART#  | D1<br>in | D2<br>in | L<br>in | D<br>in | RET RINGS<br>(D1) (D2) |          |
|--------|----------|----------|---------|---------|------------------------|----------|
| AN1208 | 3/4      | 1/2      | 1.93    | 1.73    | RR10032S               | RR10005S |
| AN1212 | 3/4      | 3/4      | 1.93    | 1.73    | RR10032S               | RR10032S |
| AN1612 | 1        | 3/4      | 2.48    | 2.13    | 1RR0008S               | RR10032S |

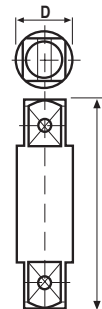


### Double Ended Male Extensions



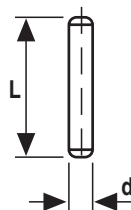
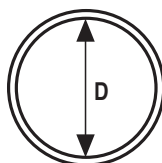
#### Extensions

| PART# | D<br>in | L<br>in | RET<br>RING |
|-------|---------|---------|-------------|
| E1203 | 1.732   | 3       | RR10032S    |
| E1204 | 1.732   | 4       | RR10032S    |
| E1205 | 1.732   | 5       | RR10032S    |
| E1207 | 1.732   | 7       | RR10032S    |
| E1213 | 1.732   | 13      | RR10032S    |



| PART# | D<br>in | L<br>in |
|-------|---------|---------|
| Z1202 | 1       | 2       |
| Z1203 | 1       | 3       |
| Z1204 | 1       | 4       |
| Z1205 | 1       | 5       |
| Z1207 | 1       | 7       |
| Z1210 | 1       | 10      |
| Z1213 | 1       | 13      |
| Z1215 | 1       | 15      |
| Z1216 | 1       | 16      |

### Retaining Pins and Rings



| SQUARE<br>DRIVE | SOCKET<br>SIZES       | PIN#  | RING# | d<br>in | L<br>in | D<br>in |
|-----------------|-----------------------|-------|-------|---------|---------|---------|
| 3/4             | Up To 1-13/16" (46mm) | P1244 | R1244 | .156    | 1.365   | 1.404   |
| 3/4             | Above 1-13/16" (46mm) | P1254 | R1254 | .156    | 1.750   | 1.794   |

# ATP RAILROAD SOCKETS



## 3/4" SQUARE DRIVE: DOUBLE SQUARE EIGHT POINT IMPACT SOCKETS



### Standard Fractional Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|---------|----------|----------|---------|---------|---------|-------------|
| 1-1/4      | DS-1220 | 2.362    | 1.732    | 2.067   | .669    | 1.087   | RR10032S    |
| 1-5/16     | DS-1221 | 2.480    | 1.732    | 2.067   | .748    | 1.087   | RR10032S    |
| 1-3/8      | DS-1222 | 2.638    | 1.732    | 2.067   | .748    | 1.087   | RR10032S    |
| 1-7/16     | DS-1223 | 2.638    | 1.732    | 2.223   | .748    | 1.244   | RR10032S    |
| 1-1/2      | DS-1224 | 2.638    | 1.732    | 2.223   | .866    | 1.244   | RR10032S    |
| 1-9/16     | DS-1225 | 3.071    | 2.126    | 2.223   | .866    | 1.244   | RR10010S    |
| 1-5/8      | DS-1226 | 3.071    | 2.126    | 2.223   | .866    | 1.244   | RR10010S    |
| 1-11/16    | DS-1227 | 3.228    | 2.126    | 2.418   | .984    | 1.441   | RR10010S    |
| 1-3/4      | DS-1228 | 3.228    | 2.126    | 2.457   | 1.005   | 1.480   | RR10010S    |
| 1-13/16    | DS-1229 | 3.228    | 2.126    | 2.457   | 1.005   | 1.480   | RR10010S    |
| 1-7/8      | DS-1230 | 3.228    | 2.126    | 2.535   | 1.063   | 1.559   | RR10010S    |

### Deep Fractional Sizes

| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 1-1/4      | DS-1220L | 2.362    | 1.732    | 3.159   | .669    | 2.189   | RR10032S    |
| 1-5/16     | DS-1221L | 2.480    | 1.732    | 3.159   | .748    | 2.189   | RR10032S    |
| 1-3/8      | DS-1222L | 2.638    | 1.732    | 3.159   | .748    | 2.189   | RR10032S    |
| 1-7/16     | DS-1223L | 2.638    | 1.732    | 3.159   | .748    | 2.189   | RR10032S    |
| 1-1/2      | DS-1224L | 2.638    | 1.732    | 3.159   | .866    | 2.189   | RR10032S    |
| 1-9/16     | DS-1225L | 3.071    | 2.126    | 3.159   | .866    | 2.189   | RR10010S    |
| 1-5/8      | DS-1226L | 3.071    | 2.126    | 3.159   | .866    | 2.189   | RR10010S    |
| 1-11/16    | DS-1227L | 3.228    | 2.126    | 3.159   | .984    | 2.189   | RR10010S    |
| 1-3/4      | DS-1228L | 3.228    | 2.126    | 3.159   | 1.005   | 2.189   | RR10010S    |
| 1-13/16    | DS-1229L | 3.228    | 2.126    | 3.159   | 1.005   | 2.189   | RR10010S    |
| 1-7/8      | DS-1230L | 3.228    | 2.126    | 3.159   | 1.063   | 2.189   | RR10010S    |



## 1" SQUARE DRIVE: DOUBLE SQUARE EIGHT POINT IMPACT SOCKETS



### Standard Fractional Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|---------|----------|----------|---------|---------|---------|-------------|
| 1-5/16     | DS-1621 | 2.480    | 2.126    | 2.262   | .748    | 1.283   | RR10010S    |
| 1-3/8      | DS-1622 | 2.638    | 2.362    | 2.262   | .748    | 1.283   | RR10015S    |
| 1-7/16     | DS-1623 | 2.638    | 2.362    | 2.262   | .748    | 1.283   | RR10015S    |
| 1-1/2      | DS-1624 | 2.756    | 2.362    | 2.418   | .866    | 1.441   | RR10015S    |
| 1-9/16     | DS-1625 | 3.071    | 2.362    | 2.418   | .866    | 1.441   | RR10015S    |
| 1-5/8      | DS-1626 | 3.071    | 2.362    | 2.418   | .866    | 1.441   | RR10015S    |
| 1-11/16    | DS-1627 | 3.228    | 2.362    | 2.613   | .984    | 1.638   | RR10015S    |
| 1-3/4      | DS-1628 | 3.228    | 2.362    | 2.613   | 1.005   | 1.638   | RR10015S    |
| 1-13/16    | DS-1629 | 3.386    | 2.362    | 2.613   | 1.005   | 1.638   | RR10015S    |
| 1-7/8      | DS-1630 | 3.386    | 2.362    | 2.730   | 1.063   | 1.756   | RR10015S    |
| 2          | DS-1632 | 3.622    | 2.362    | 2.730   | 1.063   | 1.756   | RR10015S    |
| 2-1/8      | DS-1634 | 3.937    | 2.362    | 2.925   | 1.181   | 1.953   | RR10015S    |
| 2-3/16     | DS-1635 | 3.937    | 2.362    | 3.042   | 1.260   | 2.071   | RR10015S    |
| 2-1/4      | DS-1636 | 3.937    | 2.362    | 3.042   | 1.260   | 2.071   | RR10015S    |
| 2-3/8      | DS-1638 | 4.134    | 2.362    | 3.198   | 1.378   | 2.228   | RR10015S    |
| 2-1/2      | DS-1640 | 4.291    | 2.362    | 3.432   | 1.378   | 2.465   | RR10015S    |

### Deep Fractional Sizes

| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 1-5/16     | DS-1621L | 2.480    | 2.126    | 3.159   | .748    | 2.189   | RR10010S    |
| 1-3/8      | DS-1622L | 2.638    | 2.362    | 3.159   | .748    | 2.189   | RR10015S    |
| 1-7/16     | DS-1623L | 2.638    | 2.362    | 3.159   | .748    | 2.189   | RR10015S    |
| 1-1/2      | DS-1624L | 2.756    | 2.362    | 3.393   | .866    | 2.322   | RR10015S    |
| 1-9/16     | DS-1625L | 3.071    | 2.362    | 3.432   | .866    | 2.322   | RR10015S    |
| 1-5/8      | DS-1626L | 3.071    | 2.362    | 3.432   | .866    | 2.322   | RR10015S    |
| 1-11/16    | DS-1627L | 3.228    | 2.362    | 3.432   | .984    | 2.322   | RR10015S    |
| 1-3/4      | DS-1628L | 3.228    | 2.362    | 3.432   | 1.005   | 2.322   | RR10015S    |
| 1-13/16    | DS-1629L | 3.386    | 2.362    | 3.432   | 1.005   | 2.322   | RR10015S    |
| 1-7/8      | DS-1630L | 3.386    | 2.362    | 3.432   | 1.063   | 2.322   | RR10015S    |
| 2          | DS-1632L | 3.622    | 2.362    | 3.432   | 1.063   | 2.322   | RR10015S    |
| 2-1/8      | DS-1634L | 3.937    | 2.362    | 3.783   | 1.181   | 2.819   | RR10015S    |
| 2-3/16     | DS-1635L | 3.937    | 2.362    | 3.783   | 1.260   | 2.819   | RR10015S    |
| 2-1/4      | DS-1636L | 3.937    | 2.362    | 3.900   | 1.260   | 2.937   | RR10015S    |
| 2-3/8      | DS-1638L | 4.134    | 2.362    | 3.900   | 1.378   | 2.937   | RR10015S    |
| 2-1/2      | DS-1640L | 4.291    | 2.362    | 3.900   | 1.378   | 2.937   | RR10015S    |

## SPECIAL RAILROAD SOCKETS

| PART#       | DESCRIPTION                            | RET<br>RING |
|-------------|----------------------------------------|-------------|
| Z-161418RTL | 7/8 X 1-1/8 Rectangle X 1 sq.          | RR10008S    |
| Z-16T70     | 70mm X 1 sq. Torx Bit Socket           | RR10008S    |
| N7167A      | Domed Head Socket w/Pins, 1" sq. drive | RR10015S    |

| Part#  | Description                 | Size                | Length |
|--------|-----------------------------|---------------------|--------|
| AN2424 | Double ended female adaptor | 1-1/2" x 1-1/2" sq. | 3.35"  |
| Z2410  | Double ended male adaptor   | 1-1/2" x 1-1/2" sq. | 10"    |

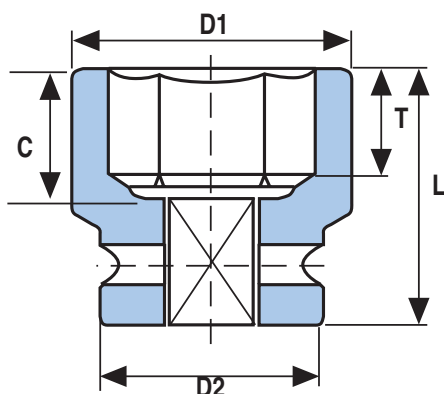
| Part#    | Female     | Male Taper             | Length |
|----------|------------|------------------------|--------|
| HEX-3    | 1-1/2" sq. | 3/4" sq. to 1-7/8" sq  | 10"    |
| HEX-3-10 | 1-1/2" sq. | 3/4" sq. to 1-7/8" sq. | 20"    |
| HEX-12   | 2-1/2" sq. | 3/4" sq. to 1-7/8" sq  | 12"    |

# ATP 1" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



ATP maintains "in stock" one of the broadest ranges of 1" drive sockets available to industry. ATP 1" drive sizes are equally well suited for construction, maintenance, and heavy assembly applications, as well as for precision bolting with hydraulic bolting equipment.



### Standard Fractional Sizes

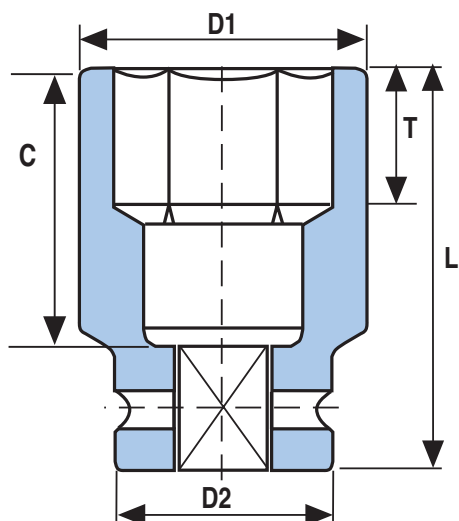
| SIZE<br>in | PART#  | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|--------|----------|----------|---------|---------|---------|-------------|
| 3/4        | Z-1612 | 1.417    | 2.126    | 2.145   | .374    | 1.040   | RR10010S    |
| 13/16      | Z-1613 | 1.496    | 2.126    | 2.145   | .433    | 1.040   | RR10010S    |
| 7/8        | Z-1614 | 1.575    | 2.126    | 2.145   | .551    | 1.040   | RR10010S    |
| 15/16      | Z-1615 | 1.614    | 2.126    | 2.145   | .551    | 1.040   | RR10010S    |
| 1          | Z-1616 | 1.693    | 2.126    | 2.145   | .551    | 1.119   | RR10010S    |
| 1-1/16     | Z-1617 | 1.811    | 2.126    | 2.145   | .551    | 1.119   | RR10010S    |
| 1-1/8      | Z-1618 | 1.890    | 2.126    | 2.223   | .650    | 1.119   | RR10010S    |
| 1-3/16     | Z-1619 | 1.969    | 2.126    | 2.223   | .650    | 1.119   | RR10010S    |
| 1-1/4      | Z-1620 | 2.008    | 2.126    | 2.223   | .669    | 1.119   | RR10010S    |
| 1-5/16     | Z-1621 | 2.126    | 2.126    | 2.340   | .748    | 1.198   | RR10010S    |
| 1-3/8      | Z-1622 | 2.126    | 2.126    | 2.340   | .748    | 1.198   | RR10010S    |
| 1-7/16     | Z-1623 | 2.126    | 2.126    | 2.340   | .748    | 1.198   | RR10010S    |
| 1-1/2      | Z-1624 | 2.362    | 2.126    | 2.496   | .866    | 1.316   | RR10010S    |
| 1-9/16     | Z-1625 | 2.362    | 2.126    | 2.496   | .866    | 1.316   | RR10010S    |
| 1-5/8      | Z-1626 | 2.480    | 2.126    | 2.496   | .866    | 1.316   | RR10010S    |
| 1-11/16    | Z-1627 | 2.638    | 2.126    | 2.691   | .984    | 1.513   | RR10010S    |
| 1-3/4      | Z-1628 | 2.756    | 2.126    | 2.691   | 1.004   | 1.592   | RR10010S    |
| 1-13/16    | Z-1629 | 2.756    | 2.126    | 2.691   | 1.004   | 1.592   | RR10010S    |
| 1-7/8      | Z-1630 | 2.756    | 2.126    | 2.808   | 1.062   | 1.631   | RR10010S    |
| 1-15/16    | Z-1631 | 2.874    | 2.126    | 2.808   | 1.062   | 1.631   | RR10010S    |
| 2          | Z-1632 | 2.874    | 2.126    | 2.808   | 1.062   | 1.631   | RR10010S    |
| 2-1/16     | Z-1633 | 3.071    | 2.126    | 2.964   | 1.181   | 1.828   | RR10010S    |
| 2-1/8      | Z-1634 | 3.228    | 2.126    | 2.964   | 1.181   | 1.828   | RR10010S    |
| 2-3/16     | Z-1635 | 3.228    | 2.126    | 3.120   | 1.259   | 1.946   | RR10010S    |
| 2-1/4      | Z-1636 | 3.228    | 2.126    | 3.120   | 1.299   | 1.946   | RR10010S    |
| 2-5/16     | Z-1637 | 3.386    | 2.126    | 3.198   | 1.299   | 2.025   | RR10010S    |
| 2-3/8      | Z-1638 | 3.386    | 2.126    | 3.315   | 1.378   | 2.418   | RR10010S    |
| 2-7/16     | Z-1639 | 3.622    | 2.126    | 3.315   | 1.378   | 2.418   | RR10010S    |
| 2-1/2      | Z-1640 | 3.622    | 2.126    | 3.315   | 1.378   | 2.418   | RR10010S    |
| 2-9/16     | Z-1641 | 3.622    | 2.126    | 3.315   | 1.378   | 2.458   | RR10010S    |
| 2-5/8      | Z-1642 | 3.622    | 2.126    | 3.432   | 1.496   | 2.536   | RR10010S    |
| 2-11/16    | Z-1643 | 3.780    | 2.126    | 3.432   | 1.496   | 2.576   | RR10010S    |
| 2-3/4      | Z-1644 | 3.780    | 2.126    | 3.432   | 1.496   | 2.615   | RR10010S    |
| 2-13/16    | Z-1645 | 3.937    | 3.386    | 3.588   | 1.575   | 2.615   | RR10021S    |
| 2-7/8      | Z-1646 | 3.937    | 3.386    | 3.588   | 1.614   | 2.615   | RR10021S    |
| 2-15/16    | Z-1647 | 3.937    | 3.386    | 3.588   | 1.614   | 2.615   | RR10021S    |
| 3          | Z-1648 | 4.134    | 3.386    | 3.783   | 1.732   | 2.655   | RR10021S    |
| 3-1/16     | Z-1649 | 4.134    | 3.386    | 3.783   | 1.732   | 2.655   | RR10021S    |
| 3-1/8      | Z-1650 | 4.134    | 3.386    | 3.783   | 1.732   | 2.655   | RR10021S    |
| 3-3/16     | Z-1651 | 4.291    | 3.386    | 3.900   | 1.850   | 2.812   | RR10021S    |
| 3-1/4      | Z-1652 | 4.291    | 3.386    | 3.900   | 1.850   | 2.812   | RR10021S    |
| 3-5/16     | Z-1653 | 4.291    | 3.386    | 3.900   | 1.850   | 2.812   | RR10021S    |
| 3-3/8      | Z-1654 | 4.291    | 3.386    | 4.056   | 1.929   | 2.930   | RR10021S    |
| 3-7/16     | Z-1655 | 4.764    | 3.386    | 4.056   | 1.929   | 2.930   | RR10021S    |
| 3-1/2      | Z-1656 | 4.764    | 3.386    | 4.056   | 1.929   | 2.930   | RR10021S    |
| 3-9/16     | Z-1657 | 5.000    | 3.386    | 4.056   | 1.890   | 2.930   | RR10021S    |
| 3-5/8      | Z-1658 | 5.118    | 3.386    | 4.056   | 1.929   | 2.930   | RR10021S    |
| 3-11/16    | Z-1659 | 5.118    | 3.386    | 4.056   | 1.929   | 2.930   | RR10021S    |
| 3-3/4      | Z-1660 | 5.315    | 3.386    | 4.134   | 1.929   | 3.245   | RR10021S    |
| 3-13/16    | Z-1661 | 5.315    | 3.386    | 4.368   | 2.125   | 3.245   | RR10021S    |
| 3-7/8      | Z-1662 | 5.315    | 3.386    | 4.368   | 2.125   | 3.245   | RR10021S    |
| 3-15/16    | Z-1663 | 5.315    | 3.386    | 4.368   | 2.125   | 3.245   | RR10021S    |
| 4          | Z-1664 | 5.512    | 5.000    | 4.368   | 2.125   | 3.245   | *           |
| 4-1/16     | Z-1665 | 4.512    | 5.000    | 4.368   | 2.125   | 3.245   | *           |
| 4-1/8      | Z-1666 | 5.709    | 5.000    | 4.368   | 2.125   | 3.245   | *           |
| 4-3/16     | Z-1667 | 5.709    | 5.000    | 4.758   | 2.441   | 3.245   | *           |
| 4-1/4      | Z-1668 | 5.709    | 5.000    | 4.758   | 2.441   | 3.599   | *           |
| 4-5/16     | Z-1669 | 5.906    | 5.000    | 4.758   | 2.441   | 3.599   | *           |
| 4-3/8      | Z-1670 | 5.906    | 5.000    | 4.758   | 2.441   | 3.599   | *           |
| 4-7/16     | Z-1671 | 6.102    | 5.000    | 4.758   | 2.441   | 3.599   | *           |
| 4-1/2      | Z-1672 | 6.102    | 5.000    | 4.758   | 2.441   | 3.599   | *           |

\* Requires retaining pin and ring, Pin = P16127, Ring = RR16127

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# ATP 1" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



### Deep Fractional Sizes

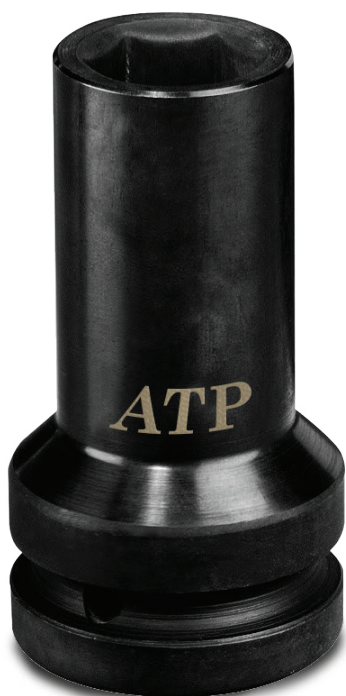
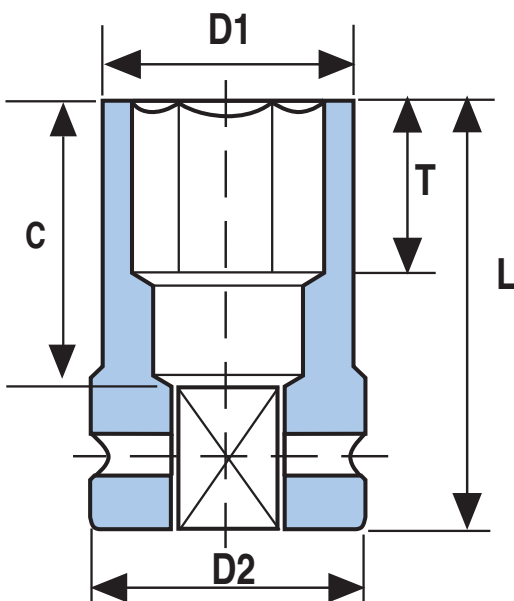


| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|---------|----------|----------|---------|---------|---------|-------------|
| 3/4        | Z-1612L | 1.417    | 2.126    | 3.900   | 0.374   | 2.812   | RR10010S    |
| 13/16      | Z-1613L | 1.496    | 2.126    | 3.900   | 0.433   | 2.812   | RR10010S    |
| 7/8        | Z-1614L | 1.575    | 2.126    | 3.900   | 0.551   | 2.812   | RR10010S    |
| 15/16      | Z-1615L | 1.614    | 2.126    | 3.900   | 0.551   | 2.812   | RR10010S    |
| 1          | Z-1616L | 1.693    | 2.126    | 3.900   | 0.551   | 2.812   | RR10010S    |
| 1-1/16     | Z-1617L | 1.811    | 2.126    | 3.900   | 0.551   | 2.812   | RR10010S    |
| 1-1/8      | Z-1618L | 1.890    | 2.126    | 3.900   | 0.650   | 2.812   | RR10010S    |
| 1-3/16     | Z-1619L | 1.969    | 2.126    | 3.900   | 0.650   | 2.812   | RR10010S    |
| 1-1/4      | Z-1620L | 2.008    | 2.126    | 3.900   | 0.669   | 2.812   | RR10010S    |
| 1-5/16     | Z-1621L | 2.126    | 2.126    | 3.900   | 0.748   | 2.812   | RR10010S    |
| 1-3/8      | Z-1622L | 2.126    | 2.126    | 3.900   | 0.748   | 2.812   | RR10010S    |
| 1-7/16     | Z-1623L | 2.126    | 2.126    | 3.900   | 0.748   | 2.812   | RR10010S    |
| 1-1/2      | Z-1624L | 2.362    | 2.126    | 3.900   | 0.866   | 2.812   | RR10010S    |
| 1-9/16     | Z-1625L | 2.362    | 2.126    | 3.900   | 0.866   | 2.812   | RR10010S    |
| 1-5/8      | Z-1626L | 2.480    | 2.126    | 3.900   | 0.866   | 2.812   | RR10010S    |
| 1-11/16    | Z-1627L | 2.638    | 2.126    | 3.900   | 0.984   | 2.812   | RR10010S    |
| 1-3/4      | Z-1628L | 2.756    | 2.126    | 3.900   | 1.004   | 2.812   | RR10010S    |
| 1-13/16    | Z-1629L | 2.756    | 2.126    | 3.900   | 1.004   | 2.812   | RR10010S    |
| 1-7/8      | Z-1630L | 2.756    | 2.126    | 3.900   | 1.062   | 2.812   | RR10010S    |
| 1-15/16    | Z-1631L | 2.874    | 2.126    | 3.900   | 1.062   | 2.812   | RR10010S    |
| 2          | Z-1632L | 2.874    | 2.126    | 3.900   | 1.062   | 2.812   | RR10010S    |
| 2-1/16     | Z-1633L | 3.071    | 2.126    | 3.900   | 1.181   | 2.969   | RR10010S    |
| 2-1/8      | Z-1634L | 3.228    | 2.126    | 4.056   | 1.181   | 2.969   | RR10010S    |
| 2-3/16     | Z-1635L | 3.228    | 2.126    | 4.095   | 1.259   | 3.088   | RR10010S    |
| 2-1/4      | Z-1636L | 3.228    | 2.126    | 4.095   | 1.299   | 3.088   | RR10010S    |
| 2-5/16     | Z-1637L | 3.386    | 2.126    | 4.368   | 1.299   | 3.166   | RR10010S    |
| 2-3/8      | Z-1638L | 3.386    | 2.126    | 4.368   | 1.378   | 3.560   | RR10010S    |
| 2-7/16     | Z-1639L | 3.622    | 2.126    | 4.602   | 1.378   | 3.560   | RR10010S    |
| 2-1/2      | Z-1640L | 3.622    | 2.126    | 4.602   | 1.378   | 3.560   | RR10010S    |
| 2-9/16     | Z-1641L | 3.622    | 2.126    | 4.602   | 1.378   | 3.599   | RR10010S    |
| 2-5/8      | Z-1642L | 3.622    | 2.126    | 4.602   | 1.496   | 3.678   | RR10010S    |
| 2-11/16    | Z-1643L | 3.780    | 2.126    | 4.836   | 1.496   | 3.718   | RR10010S    |
| 2-3/4      | Z-1644L | 3.780    | 2.126    | 4.836   | 1.496   | 3.757   | RR10010S    |
| 2-13/16    | Z-1645L | 3.937    | 3.386    | 4.836   | 1.575   | 3.757   | RR10021S    |
| 2-7/8      | Z-1646L | 3.937    | 3.386    | 4.836   | 1.614   | 3.757   | RR10021S    |
| 2-15/16    | Z-1647L | 3.937    | 3.386    | 4.836   | 1.614   | 3.757   | RR10021S    |
| 3          | Z-1648L | 4.134    | 3.386    | 5.07    | 1.732   | 3.796   | RR10021S    |
| 3-1/16     | Z-1649L | 4.134    | 3.386    | 5.07    | 1.732   | 3.796   | RR10021S    |
| 3-1/8      | Z-1650L | 4.134    | 3.386    | 5.148   | 1.732   | 3.796   | RR10021S    |
| 3-3/16     | Z-1651L | 4.291    | 3.386    | 5.148   | 1.850   | 3.954   | RR10021S    |
| 3-1/4      | Z-1652L | 4.291    | 3.386    | 5.148   | 1.850   | 3.954   | RR10021S    |
| 3-5/16     | Z-1653L | 4.291    | 3.386    | 5.148   | 1.850   | 3.954   | RR10021S    |
| 3-3/8      | Z-1654L | 4.291    | 3.386    | 5.460   | 1.929   | 4.072   | RR10021S    |
| 3-7/16     | Z-1655L | 4.764    | 3.386    | 5.460   | 1.929   | 4.072   | RR10021S    |
| 3-1/2      | Z-1656L | 4.764    | 3.386    | 5.460   | 1.929   | 4.072   | RR10021S    |
| 3-9/16     | Z-1657L | 5.000    | 3.386    | 5.460   | 1.890   | 4.072   | RR10021S    |
| 3-5/8      | Z-1658L | 5.118    | 3.386    | 5.460   | 1.929   | 4.072   | RR10021S    |
| 3-11/16    | Z-1659L | 5.118    | 3.386    | 5.460   | 1.929   | 4.072   | RR10021S    |
| 3-3/4      | Z-1660L | 5.315    | 3.386    | 5.460   | 1.929   | 4.387   | RR10021S    |
| 3-13/16    | Z-1661L | 5.315    | 3.386    | 5.577   | 2.125   | 4.387   | RR10021S    |
| 3-7/8      | Z-1662L | 5.315    | 3.386    | 5.577   | 2.125   | 4.387   | RR10021S    |
| 3-15/16    | Z-1663L | 5.315    | 3.386    | 5.577   | 2.125   | 4.387   | RR10021S    |
| 4          | Z-1664L | 5.512    | 5.000    | 5.577   | 2.125   | 4.387   | *           |
| 4-1/16     | Z-1665L | 4.512    | 5.000    | 5.577   | 2.125   | 4.387   | *           |
| 4-1/8      | Z-1666L | 5.709    | 5.000    | 5.577   | 2.125   | 4.387   | *           |
| 4-3/16     | Z-1667L | 5.709    | 5.000    | 5.811   | 2.441   | 4.387   | *           |
| 4-1/4      | Z-1668L | 5.709    | 5.000    | 5.811   | 2.441   | 4.741   | *           |
| 4-5/16     | Z-1669L | 5.906    | 5.000    | 5.811   | 2.441   | 4.741   | *           |
| 4-3/8      | Z-1670L | 5.906    | 5.000    | 5.811   | 2.441   | 4.741   | *           |
| 4-7/16     | Z-1671L | 6.102    | 5.000    | 5.811   | 2.441   | 4.741   | *           |
| 4-1/2      | Z-1672L | 6.102    | 5.000    | 5.811   | 2.441   | 4.741   | *           |

\* Requires retaining pin and ring, Pin = P16127, Ring = R16127

# ATP 1" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



### Deep Fractional Thinwall Sizes

| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 7/8        | Z-1614LT | 1.496    | 2.126    | 3.937   | .500    | 2.812   | RR10010S    |
| 15/16      | Z-1615LT | 1.496    | 2.126    | 3.937   | .500    | 2.812   | RR10010S    |
| 1          | Z-1616LT | 1.614    | 2.126    | 3.937   | .500    | 2.812   | RR10010S    |
| 1-1/16     | Z-1617LT | 1.732    | 2.126    | 3.937   | .500    | 2.812   | RR10010S    |
| 1-1/8      | Z-1618LT | 1.732    | 2.126    | 3.937   | .500    | 2.812   | RR10010S    |
| 1-3/16     | Z-1619LT | 1.929    | 2.126    | 3.937   | 1.299   | 2.812   | RR10010S    |
| 1-1/4      | Z-1620LT | 1.929    | 2.126    | 3.937   | 1.339   | 2.812   | RR10010S    |
| 1-5/16     | Z-1621LT | 2.047    | 2.126    | 3.937   | 1.496   | 2.812   | RR10010S    |
| 1-3/8      | Z-1622LT | 2.047    | 2.126    | 3.937   | 1.496   | 2.812   | RR10010S    |
| 1-7/16     | Z-1623LT | 2.126    | 2.126    | 3.937   | 1.496   | 2.812   | RR10010S    |
| 1-1/2      | Z-1624LT | 2.224    | 2.126    | 3.937   | 1.732   | 2.812   | RR10010S    |
| 1-9/16     | Z-1625LT | 2.244    | 2.126    | 3.937   | 1.732   | 2.812   | RR10010S    |
| 1-5/8      | Z-1626LT | 2.362    | 2.126    | 3.937   | 1.732   | 2.812   | RR10010S    |
| 1-11/16    | Z-1627LT | 2.480    | 2.126    | 3.937   | 1.968   | 2.812   | RR10010S    |
| 1-3/4      | Z-1628LT | 2.638    | 2.126    | 3.937   | 2.008   | 2.812   | RR10010S    |
| 1-13/16    | Z-1629LT | 2.638    | 2.126    | 3.937   | 2.008   | 2.812   | RR10010S    |

### Deep Metric Thinwall Sizes

| SIZE<br>mm | PART#     | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm | RET<br>RING |
|------------|-----------|----------|----------|---------|---------|---------|-------------|
| 22         | Z-16M22LT | 38       | 54       | 100     | 20      | 71      | RR10010S    |
| 23         | Z-16M23LT | 38       | 54       | 100     | 24      | 71      | RR10010S    |
| 24         | Z-16M24LT | 38       | 54       | 100     | 24      | 71      | RR10010S    |
| 25         | Z-16M25LT | 41       | 54       | 100     | 26      | 71      | RR10010S    |
| 26         | Z-16M26LT | 44       | 54       | 100     | 26      | 71      | RR10010S    |
| 27         | Z-16M27LT | 44       | 54       | 100     | 26      | 71      | RR10010S    |
| 28         | Z-16M28LT | 44       | 54       | 100     | 28      | 71      | RR10010S    |
| 29         | Z-16M29LT | 44       | 54       | 100     | 28      | 71      | RR10010S    |
| 30         | Z-16M30LT | 49       | 54       | 100     | 33      | 71      | RR10010S    |
| 31         | Z-16M31LT | 49       | 54       | 100     | 33      | 71      | RR10010S    |
| 32         | Z-16M32LT | 49       | 54       | 100     | 33      | 71      | RR10010S    |
| 33         | Z-16M33LT | 52       | 54       | 100     | 34      | 71      | RR10010S    |
| 34         | Z-16M34LT | 52       | 54       | 100     | 34      | 71      | RR10010S    |
| 35         | Z-16M35LT | 52       | 54       | 100     | 38      | 71      | RR10010S    |
| 36         | Z-16M36LT | 54       | 54       | 100     | 38      | 71      | RR10010S    |
| 37         | Z-16M37LT | 54       | 54       | 100     | 38      | 71      | RR10010S    |
| 38         | Z-16M38LT | 54       | 54       | 100     | 43      | 71      | RR10010S    |
| 39         | Z-16M39LT | 54       | 54       | 100     | 43      | 71      | RR10010S    |
| 40         | Z-16M40LT | 54       | 54       | 100     | 43      | 71      | RR10010S    |
| 41         | Z-16M41LT | 54       | 54       | 100     | 44      | 71      | RR10010S    |
| 42         | Z-16M42LT | 54       | 54       | 100     | 44      | 71      | RR10010S    |
| 43         | Z-16M43LT | 54       | 54       | 100     | 50      | 71      | RR10010S    |
| 44         | Z-16M44LT | 54       | 54       | 100     | 50      | 71      | RR10010S    |
| 45         | Z-16M45LT | 54       | 54       | 100     | 51      | 71      | RR10010S    |
| 46         | Z-16M46LT | 54       | 54       | 100     | 51      | 71      | RR10010S    |

See page 78 for information on "special" sockets. ATP routinely manufactures extra deep, extra heavy, spark resistant, special shape, or special drive type sockets.

# ATP 1" SQUARE DRIVE



## SIX POINT IMPACT SOCKETS

### Standard Metric Sizes



| SIZE<br>mm | PART#    | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 19         | Z-16M19  | 36       | 54       | 55      | 9.5     | 26      | RR10010S    |
| 20         | Z-16M20  | 37       | 54       | 55      | 10      | 26      | RR10010S    |
| 21         | Z-16M21  | 38       | 54       | 55      | 10      | 26      | RR10010S    |
| 22         | Z-16M22  | 40       | 54       | 55      | 10      | 26      | RR10010S    |
| 23         | Z-16M23  | 41       | 54       | 55      | 12      | 26      | RR10010S    |
| 24         | Z-16M24  | 42       | 54       | 55      | 12      | 26      | RR10010S    |
| 25         | Z-16M25  | 43       | 54       | 55      | 13      | 26      | RR10010S    |
| 26         | Z-16M26  | 45       | 54       | 55      | 13      | 26      | RR10010S    |
| 27         | Z-16M27  | 46       | 54       | 55      | 13      | 26      | RR10010S    |
| 28         | Z-16M28  | 47       | 54       | 55      | 14      | 26      | RR10010S    |
| 29         | Z-16M29  | 48       | 54       | 57      | 14      | 28      | RR10010S    |
| 30         | Z-16M30  | 50       | 54       | 57      | 16.5    | 28      | RR10010S    |
| 31         | Z-16M31  | 51       | 54       | 57      | 16.5    | 28      | RR10010S    |
| 32         | Z-16M32  | 51       | 54       | 57      | 16.5    | 28      | RR10010S    |
| 33         | Z-16M33  | 54       | 54       | 57      | 17      | 28      | RR10010S    |
| 34         | Z-16M34  | 54       | 54       | 60      | 19      | 31      | RR10010S    |
| 35         | Z-16M35  | 54       | 54       | 60      | 19      | 31      | RR10010S    |
| 36         | Z-16M36  | 54       | 54       | 60      | 19      | 31      | RR10010S    |
| 37         | Z-16M37  | 57       | 54       | 60      | 19      | 31      | RR10010S    |
| 38         | Z-16M38  | 60       | 54       | 64      | 22      | 35      | RR10010S    |
| 39         | Z-16M39  | 60       | 54       | 64      | 21.5    | 35      | RR10010S    |
| 40         | Z-16M40  | 63       | 54       | 64      | 21.5    | 35      | RR10010S    |
| 41         | Z-16M41  | 63       | 54       | 64      | 22      | 35      | RR10010S    |
| 42         | Z-16M42  | 63       | 54       | 64      | 21.5    | 35      | RR10010S    |
| 43         | Z-16M43  | 67       | 54       | 69      | 25      | 40      | RR10010S    |
| 44         | Z-16M44  | 67       | 54       | 69      | 21.5    | 40      | RR10010S    |
| 45         | Z-16M45  | 70       | 54       | 69      | 21.5    | 40      | RR10010S    |
| 46         | Z-16M46  | 70       | 54       | 69      | 25.5    | 40      | RR10010S    |
| 47         | Z-16M47  | 70       | 54       | 69      | 23.5    | 40      | RR10010S    |
| 48         | Z-16M48  | 73       | 54       | 72      | 23.5    | 43      | RR10010S    |
| 49         | Z-16M49  | 73       | 54       | 72      | 27      | 43      | RR10010S    |
| 50         | Z-16M50  | 73       | 54       | 72      | 23.5    | 43      | RR10010S    |
| 51         | Z-16M51  | 73       | 54       | 72      | 27      | 43      | RR10010S    |
| 52         | Z-16M52  | 78       | 54       | 72      | 27      | 43      | RR10010S    |
| 54         | Z-16M54  | 82       | 54       | 76      | 30      | 47      | RR10010S    |
| 55         | Z-16M55  | 82       | 54       | 76      | 27      | 47      | RR10010S    |
| 56         | Z-16M56  | 82       | 54       | 75      | 28      | 46      | RR10010S    |
| 57         | Z-16M57  | 82       | 54       | 80      | 33      | 51      | RR10010S    |
| 58         | Z-16M58  | 86       | 54       | 75      | 28      | 46      | RR10010S    |
| 59         | Z-16M59  | 86       | 54       | 82      | 33      | 53      | RR10010S    |
| 60         | Z-16M60  | 86       | 54       | 75      | 28      | 46      | RR10010S    |
| 61         | Z-16M61  | 88       | 54       | 85      | 28      | 56      | RR10010S    |
| 62         | Z-16M62  | 92       | 54       | 85      | 35      | 56      | RR10010S    |
| 65         | Z-16M65  | 92       | 54       | 85      | 35      | 56      | RR10010S    |
| 67         | Z-16M67  | 92       | 54       | 88      | 38      | 62      | RR10010S    |
| 70         | Z-16M70  | 96       | 54       | 88      | 38      | 79      | RR10010S    |
| 73         | Z-16M73  | 100      | 86       | 92      | 41      | 83      | RR10021S    |
| 75         | Z-16M75  | 100      | 86       | 92      | 41      | 83      | RR10021S    |
| 76         | Z-16M76  | 105      | 86       | 97      | 44      | 68      | RR10021S    |
| 80         | Z-16M80  | 105      | 86       | 97      | 37      | 59      | RR10021S    |
| 85         | Z-16M85  | 115      | 86       | 100     | 40      | 63      | RR10021S    |
| 86         | Z-16M86  | 115      | 86       | 104     | 49      | 75      | RR10021S    |
| 90         | Z-16M90  | 127      | 86       | 104     | 43      | 68      | RR10021S    |
| 95         | Z-16M95  | 135      | 86       | 106     | 49      | 77      | RR10021S    |
| 100        | Z-16M100 | 135      | 86       | 112     | 54      | 83      | RR10021S    |
| 105        | Z-16M105 | 145      | 127      | 112     | 54      | 83      | *           |
| 110        | Z-16M110 | 150      | 127      | 122     | 62      | 93      | *           |
| 115        | Z-16M115 | 155      | 127      | 122     | 57      | 91      | *           |

\* Requires retaining pin and ring, Pin = P16127, Ring = RR16127

### Deep Metric Sizes

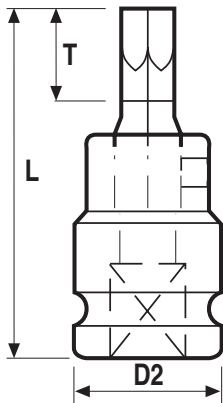


| SIZE<br>mm | PART#     | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm | RET<br>RING |
|------------|-----------|----------|----------|---------|---------|---------|-------------|
| 19         | Z-16M19L  | 36       | 54       | 100     | 9.5     | 71      | RR10010S    |
| 20         | Z-16M20L  | 37       | 54       | 100     | 10      | 71      | RR10010S    |
| 21         | Z-16M21L  | 38       | 54       | 100     | 10      | 71      | RR10010S    |
| 22         | Z-16M22L  | 40       | 54       | 100     | 10      | 71      | RR10010S    |
| 23         | Z-16M23L  | 41       | 54       | 100     | 12      | 71      | RR10010S    |
| 24         | Z-16M24L  | 42       | 54       | 100     | 12      | 71      | RR10010S    |
| 25         | Z-16M25L  | 43       | 54       | 100     | 13      | 71      | RR10010S    |
| 26         | Z-16M26L  | 45       | 54       | 100     | 13      | 71      | RR10010S    |
| 27         | Z-16M27L  | 46       | 54       | 100     | 13      | 71      | RR10010S    |
| 28         | Z-16M28L  | 47       | 54       | 100     | 14      | 71      | RR10010S    |
| 29         | Z-16M29L  | 48       | 54       | 100     | 14      | 71      | RR10010S    |
| 30         | Z-16M30L  | 50       | 54       | 100     | 16.5    | 71      | RR10010S    |
| 31         | Z-16M31L  | 51       | 54       | 100     | 16.5    | 71      | RR10010S    |
| 32         | Z-16M32L  | 51       | 54       | 100     | 16.5    | 71      | RR10010S    |
| 33         | Z-16M33L  | 54       | 54       | 100     | 17      | 71      | RR10010S    |
| 34         | Z-16M34L  | 54       | 54       | 100     | 19      | 71      | RR10010S    |
| 35         | Z-16M35L  | 54       | 54       | 100     | 19      | 71      | RR10010S    |
| 36         | Z-16M36L  | 54       | 54       | 100     | 19      | 71      | RR10010S    |
| 37         | Z-16M37L  | 57       | 54       | 100     | 19      | 71      | RR10010S    |
| 38         | Z-16M38L  | 60       | 54       | 100     | 22      | 71      | RR10010S    |
| 39         | Z-16M39L  | 60       | 54       | 100     | 21.5    | 71      | RR10010S    |
| 40         | Z-16M40L  | 63       | 54       | 100     | 21.5    | 71      | RR10010S    |
| 41         | Z-16M41L  | 63       | 54       | 100     | 22      | 71      | RR10010S    |
| 42         | Z-16M42L  | 63       | 54       | 100     | 21.5    | 71      | RR10010S    |
| 43         | Z-16M43L  | 67       | 54       | 100     | 25      | 71      | RR10010S    |
| 44         | Z-16M44L  | 67       | 54       | 100     | 21.5    | 71      | RR10010S    |
| 45         | Z-16M45L  | 70       | 54       | 100     | 21.5    | 71      | RR10010S    |
| 46         | Z-16M46L  | 70       | 54       | 100     | 25.5    | 71      | RR10010S    |
| 47         | Z-16M47L  | 70       | 54       | 100     | 23.5    | 71      | RR10010S    |
| 48         | Z-16M48L  | 73       | 54       | 100     | 23.5    | 71      | RR10010S    |
| 49         | Z-16M49L  | 73       | 54       | 100     | 27      | 71      | RR10010S    |
| 50         | Z-16M50L  | 73       | 54       | 100     | 23.5    | 71      | RR10010S    |
| 51         | Z-16M51L  | 73       | 54       | 100     | 27      | 71      | RR10010S    |
| 52         | Z-16M52L  | 78       | 54       | 100     | 27      | 71      | RR10010S    |
| 54         | Z-16M54L  | 82       | 54       | 104     | 30      | 75      | RR10010S    |
| 55         | Z-16M55L  | 82       | 54       | 104     | 27      | 75      | RR10010S    |
| 56         | Z-16M56L  | 82       | 54       | 105     | 28      | 76      | RR10010S    |
| 57         | Z-16M57L  | 82       | 54       | 105     | 33      | 76      | RR10010S    |
| 58         | Z-16M58L  | 86       | 54       | 105     | 28      | 76      | RR10010S    |
| 59         | Z-16M59L  | 86       | 54       | 112     | 33      | 83      | RR10010S    |
| 60         | Z-16M60L  | 86       | 54       | 105     | 28      | 83      | RR10010S    |
| 61         | Z-16M61L  | 88       | 54       | 112     | 28      | 83      | RR10010S    |
| 62         | Z-16M62L  | 92       | 54       | 118     | 35      | 89      | RR10010S    |
| 65         | Z-16M65L  | 92       | 54       | 118     | 35      | 89      | RR10010S    |
| 67         | Z-16M67L  | 92       | 54       | 118     | 38      | 89      | RR10010S    |
| 70         | Z-16M70L  | 96       | 54       | 124     | 38      | 95      | RR10010S    |
| 73         | Z-16M73L  | 100      | 86       | 124     | 41      | 95      | RR10021S    |
| 75         | Z-16M75L  | 100      | 86       | 124     | 41      | 95      | RR10021S    |
| 76         | Z-16M76L  | 105      | 86       | 130     | 44      | 101     | RR10021S    |
| 80         | Z-16M80L  | 105      | 86       | 132     | 37      | 103     | RR10021S    |
| 85         | Z-16M85L  | 115      | 86       | 132     | 40      | 103     | RR10021S    |
| 86         | Z-16M86L  | 115      | 86       | 140     | 49      | 111     | RR10021S    |
| 90         | Z-16M90L  | 127      | 86       | 140     | 43      | 111     | RR10021S    |
| 95         | Z-16M95L  | 135      | 86       | 140     | 49      | 111     | RR10021S    |
| 100        | Z-16M100L | 135      | 86       | 143     | 54      | 114     | RR10021S    |
| 105        | Z-16M105L | 145      | 127      | 143     | 54      | 114     | *           |
| 110        | Z-16M110L | 150      | 127      | 149     | 62      | 120     | *           |
| 115        | Z-16M115L | 155      | 127      | 149     | 57      | 120     | *           |

\* Requires retaining pin and ring, Pin = P16127, Ring = RR16127

# ATP 1" SQUARE DRIVE

## HEX DRIVER SOCKETS



### Fractional Sizes

| SIZE<br>in | PART#   | D2<br>in | L<br>in | T<br>in | RET<br>RING |
|------------|---------|----------|---------|---------|-------------|
| 1/2        | Z-1608V | 2.126    | 2.91    | 1.16    | 10010S      |
| 9/16       | Z-1609V | 2.126    | 2.91    | 1.16    | 10010S      |
| 5/8        | Z-1610V | 2.126    | 2.91    | 1.16    | 10010S      |
| 3/4        | Z-1612V | 2.126    | 2.91    | 1.16    | 10010S      |
| 13/16      | Z-1613V | 2.126    | 3.07    | 1.32    | 10010S      |
| 7/8        | Z-1614V | 2.126    | 3.07    | 1.32    | 10010S      |
| 1          | Z-1616V | 2.126    | 3.07    | 1.32    | 10010S      |
| 1-1/16     | Z-1617V | 2.126    | 3.23    | 1.48    | 10010S      |
| 1-1/8      | Z-1618V | 2.126    | 3.23    | 1.48    | 10010S      |
| 1-3/16     | Z-1619V | 2.126    | 3.23    | 1.48    | 10010S      |
| 1-1/4      | Z-1620V | 2.126    | 3.43    | 1.68    | 10010S      |

**Note:** 2-piece construction

### Metric Sizes

| SIZE<br>mm | PART#    | D2<br>mm | L<br>mm | T<br>mm | RET<br>RING |
|------------|----------|----------|---------|---------|-------------|
| 10         | Z-16M10V | 54       | 74      | 16      | 10010S      |
| 12         | Z-16M12V | 54       | 74      | 21      | 10010S      |
| 14         | Z-16M14V | 54       | 74      | 21      | 10010S      |
| 17         | Z-16M17V | 54       | 74      | 26      | 10010S      |
| 19         | Z-16M19V | 54       | 89      | 26      | 10010S      |
| 22         | Z-16M22V | 54       | 89      | 26      | 10010S      |
| 24         | Z-16M24V | 54       | 89      | 26      | 10010S      |
| 27         | Z-16M27V | 54       | 111     | 32      | 10010S      |
| 30         | Z-16M30V | 54       | 117     | 38      | 10010S      |
| 32         | Z-16M32V | 54       | 117     | 38      | 10010S      |

**Note:** 2-piece construction

# ATP 1" SQUARE DRIVE



## 12 POINT IMPACT SOCKETS

### Standard Socket Sizes

| SIZE<br>in | SIZE<br>mm | PART#       | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | Weight<br>gr | RET<br>RING |
|------------|------------|-------------|----------|----------|---------|---------|--------------|-------------|
| 3/4        | 19         | DH-1612DM19 | 36       | 54       | 55      | 9.5     | 600          | RR10010S    |
| 13/16      |            | DH-1613     | 38       | 54       | 55      | 11.0    | 600          | RR10010S    |
| 7/8        |            | DH-1614     | 40       | 54       | 55      | 13.0    | 600          | RR10010S    |
| 15/16      |            | DH-1615     | 41       | 54       | 55      | 13.0    | 600          | RR10010S    |
| 1          |            | DH-1616     | 43       | 54       | 55      | 13.0    | 600          | RR10010S    |
| 1-1/16     | 27         | DH-1617M27  | 46       | 54       | 55      | 13.0    | 600          | RR10010S    |
| 1-1/8      |            | DH-1618     | 48       | 54       | 57      | 16.5    | 630          | RR10010S    |
| 1-3/16     | 30         | DH-1619M30  | 50       | 54       | 57      | 16.5    | 630          | RR10010S    |
| 1-1/4      |            | DH-1620     | 51       | 54       | 57      | 17.0    | 630          | RR10010S    |
| 1-5/16     |            | DH-1621     | 54       | 54       | 60      | 19.0    | 650          | RR10010S    |
| 1-3/8      | 35         | DH-1622M35  | 54       | 54       | 60      | 19.0    | 650          | RR10010S    |
| 1-7/16     |            | DH-1623     | 54       | 54       | 60      | 19.0    | 650          | RR10010S    |
| 1-1/2      | 38         | DH-1624M38  | 60       | 54       | 64      | 22.0    | 760          | RR10010S    |
| 1-9/16     |            | DH-1625     | 60       | 54       | 64      | 22.0    | 760          | RR10010S    |
| 1-5/8      | 41         | DH-1626M41  | 63       | 54       | 64      | 22.0    | 800          | RR10010S    |
| 1-11/16    | 43         | DH-1627M43  | 67       | 54       | 69      | 25.0    | 950          | RR10010S    |
| 1-3/4      |            | DH-1628     | 70       | 54       | 69      | 25.5    | 1000         | RR10010S    |
| 1-13/16    | 46         | DH-1629M46  | 70       | 54       | 69      | 25.5    | 1000         | RR10010S    |
| 1-7/8      |            | DH-1630     | 70       | 54       | 72      | 27.0    | 1000         | RR10010S    |
| 1-15/16    | 49         | DH-1631M49  | 73       | 54       | 72      | 27.0    | 1080         | RR10010S    |
| 2          | 51         | DH-1632M51  | 73       | 54       | 72      | 27.0    | 2080         | RR10010S    |
| 2-1/16     |            | DH-1633     | 78       | 54       | 76      | 30.0    | 1240         | RR10010S    |
| 2-1/8      | 54         | DH-1634M54  | 82       | 54       | 76      | 30.0    | 1400         | RR10010S    |
| 2-3/16     |            | DH-1635     | 82       | 54       | 80      | 32.0    | 1400         | RR10010S    |
| 2-1/4      | 57         | DH-1636M57  | 82       | 54       | 80      | 33.0    | 1400         | RR10010S    |
| 2-5/16     | 59         | DH-1637M59  | 86       | 54       | 82      | 33.0    | 1500         | RR10010S    |
| 2-3/8      |            | DH-1638     | 86       | 54       | 85      | 35.0    | 1500         | RR10010S    |
| 2-7/16     | 62         | DH-1639M62  | 92       | 54       | 85      | 35.0    | 1800         | RR10010S    |
| 2-1/2      |            | DH-1640     | 92       | 54       | 85      | 35.0    | 1800         | RR10010S    |
| 2-9/16     | 65         | DH-1641M65  | 92       | 54       | 85      | 25.0    | 1800         | RR10010S    |
| 2-5/8      | 67         | DH-1642M67  | 92       | 54       | 88      | 38.0    | 1800         | RR10010S    |
| 2-11/16    |            | DH-1643     | 96       | 54       | 88      | 38.0    | 1800         | RR10010S    |
| 2-3/4      | 70         | DH-1644M70  | 96       | 54       | 88      | 38.0    | 1800         | RR10010S    |
| 2-13/16    |            | DH-1645     | 100      | 86       | 92      | 40.0    | 2700         | RR10021S    |
| 2-7/8      | 73         | DH-1646M73  | 100      | 86       | 92      | 41.0    | 2700         | RR10021S    |
| 2-15/16    | 75         | DH-1647M75  | 100      | 86       | 92      | 41.0    | 2700         | RR10021S    |
| 3          | 76         | DH-1648M76  | 105      | 86       | 97      | 44.0    | 3200         | RR10021S    |

### Standard Socket Sizes Cont.

| SIZE<br>in | SIZE<br>mm | PART#       | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | Weight<br>gr | RET<br>RING |
|------------|------------|-------------|----------|----------|---------|---------|--------------|-------------|
| 3-1/16     |            | DH-1649     | 105      | 86       | 97      | 44.0    | 3200         | RR10021S    |
| 3-1/8      |            | DH-1650     | 105      | 86       | 97      | 44.0    | 3200         | RR10021S    |
| 3-3/16     |            | DH-1651     | 109      | 86       | 100     | 47.0    | 3200         | RR10021S    |
| 3-1/4      |            | DH-1652     | 109      | 86       | 100     | 47.0    | 3200         | RR10021S    |
| 3-5/16     |            | DH-1653     | 109      | 86       | 100     | 47.0    | 3200         | RR10021S    |
| 3-3/8      | 86         | DH-1654M86  | 115      | 86       | 104     | 49.0    | 3500         | RR10021S    |
| 3-7/16     |            | DH-1655     | 121      | 86       | 104     | 49.0    | 4120         | RR10021S    |
| 3-1/2      |            | DH-1656     | 121      | 86       | 104     | 49.0    | 4120         | RR10021S    |
| 3-9/16     |            | DH-1657     | 127      | 86       | 104     | 49.5    | 4400         | RR10021S    |
| 3-5/8      |            | DH-1658     | 130      | 86       | 104     | 49.0    | 4700         | RR10021S    |
| 3-11/16    |            | DH-1659     | 130      | 86       | 104     | 49.0    | 4700         | RR10021S    |
| 3-3/4      | 95         | DH-1660M95  | 135      | 86       | 106     | 49.0    | 5200         | RR10021S    |
| 3-13/16    |            | DH-1661     | 135      | 86       | 112     | 54.0    | 5200         | RR10021S    |
| 3-7/8      |            | DH-1662     | 135      | 86       | 112     | 54.0    | 5200         | RR10021S    |
| 3-15/16    | 100        | DH-1663M100 | 135      | 86       | 112     | 54.0    | 5200         | RR10021S    |
| 4          |            | DH-1664     | 140      | 127      | 112     | 54.0    | 5500         | *           |
| 4-1/16     |            | DH-1665     | 140      | 127      | 112     | 54.0    | 5500         | *           |
| 4-1/8      | 105        | DH-1666M105 | 145      | 127      | 112     | 54.0    | 7700         | *           |
| 4-3/16     |            | DH-1667     | 145      | 127      | 122     | 62.0    | 8100         | *           |
| 4-1/4      |            | DH-1668     | 145      | 127      | 122     | 62.0    | 8100         | *           |
| 4-5/16     | 110        | DH-1669M110 | 150      | 127      | 122     | 62.0    | 8200         | *           |
| 4-3/8      |            | DH-1670     | 150      | 127      | 122     | 62.0    | 8200         | *           |
| 4-7/16     |            | DH-1671     | 150      | 127      | 122     | 62.0    | 9060         | *           |
| 4-1/2      |            | DH-1672     | 150      | 127      | 122     | 62.0    | 9060         | *           |

\* Requires retaining pin and ring, Pin = P16127, Ring = R16127

### Deep Fractional Sizes

| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 2          | DH-1632L | 2.874    | 2.126    | 3.900   | 1.062   | 2.812   | RR10010S    |
| 2-3/16     | DH-1635L | 3.228    | 2.126    | 4.095   | 1.259   | 3.088   | RR10010S    |
| 2-3/8      | DH-1638L | 3.386    | 2.126    | 4.368   | 1.378   | 3.560   | RR10010S    |
| 2-9/16     | DH-1641L | 3.622    | 2.126    | 4.602   | 1.378   | 3.599   | RR10010S    |
| 2-3/4      | DH-1644L | 3.780    | 2.126    | 4.836   | 1.496   | 3.757   | RR10010S    |
| 2-15/16    | DH-1647L | 3.937    | 3.386    | 4.836   | 1.614   | 3.757   | RR10021S    |
| 3-1/8      | DH-1650L | 4.291    | 3.386    | 5.460   | 1.929   | 4.072   | RR10021S    |

## DOUBLE SQUARE EIGHT POINT SOCKETS

### Standard Fractional Sizes

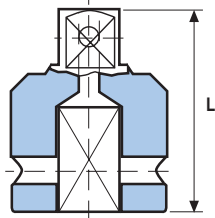
| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|---------|----------|----------|---------|---------|---------|-------------|
| 1-5/16     | DS-1621 | 2.480    | 2.126    | 2.262   | .748    | 1.283   | RR10010S    |
| 1-3/8      | DS-1622 | 2.638    | 2.362    | 2.262   | .748    | 1.283   | RR10015S    |
| 1-7/16     | DS-1623 | 2.638    | 2.362    | 2.262   | .748    | 1.283   | RR10015S    |
| 1-1/2      | DS-1624 | 2.756    | 2.362    | 2.418   | .866    | 1.441   | RR10015S    |
| 1-9/16     | DS-1625 | 3.071    | 2.362    | 2.418   | .866    | 1.441   | RR10015S    |
| 1-5/8      | DS-1626 | 3.071    | 2.362    | 2.418   | .866    | 1.441   | RR10015S    |
| 1-11/16    | DS-1627 | 3.228    | 2.362    | 2.613   | .984    | 1.638   | RR10015S    |
| 1-3/4      | DS-1628 | 3.228    | 2.362    | 2.613   | 1.005   | 1.638   | RR10015S    |
| 1-13/16    | DS-1629 | 3.386    | 2.362    | 2.613   | 1.005   | 1.638   | RR10015S    |
| 1-7/8      | DS-1630 | 3.386    | 2.362    | 2.730   | 1.063   | 1.756   | RR10015S    |
| 2          | DS-1632 | 3.622    | 2.362    | 2.730   | 1.063   | 1.756   | RR10015S    |
| 2-1/8      | DS-1634 | 3.937    | 2.362    | 2.925   | 1.181   | 1.953   | RR10015S    |
| 2-3/16     | DS-1635 | 3.937    | 2.362    | 3.042   | 1.260   | 2.071   | RR10015S    |
| 2-1/4      | DS-1636 | 3.937    | 2.362    | 3.042   | 1.260   | 2.071   | RR10015S    |
| 2-3/8      | DS-1638 | 4.134    | 2.362    | 3.198   | 1.378   | 2.228   | RR10015S    |
| 2-1/2      | DS-1640 | 4.291    | 2.362    | 3.432   | 1.378   | 2.465   | RR10015S    |

### Deep Fractional Sizes

| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 1-5/16     | DS-1621L | 2.480    | 2.126    | 3.159   | .748    | 2.189   | RR10010S    |
| 1-3/8      | DS-1622L | 2.638    | 2.362    | 3.159   | .748    | 2.189   | RR10015S    |
| 1-7/16     | DS-1623L | 2.638    | 2.362    | 3.159   | .748    | 2.189   | RR10015S    |
| 1-1/2      | DS-1624L | 2.756    | 2.362    | 3.393   | .866    | 2.322   | RR10015S    |
| 1-9/16     | DS-1625L | 3.071    | 2.362    | 3.432   | .866    | 2.322   | RR10015S    |
| 1-5/8      | DS-1626L | 3.071    | 2.362    | 3.432   | .866    | 2.322   | RR10015S    |
| 1-11/16    | DS-1627L | 3.228    | 2.362    | 3.432   | .984    | 2.322   | RR10015S    |
| 1-3/4      | DS-1628L | 3.228    | 2.362    | 3.432   | 1.005   | 2.322   | RR10015S    |
| 1-13/16    | DS-1629L | 3.386    | 2.362    | 3.432   | 1.005   | 2.322   | RR10015S    |
| 1-7/8      | DS-1630L | 3.386    | 2.362    | 3.432   | 1.063   | 2.322   | RR10015S    |
| 2          | DS-1632L | 3.622    | 2.362    | 3.432   | 1.063   | 2.322   | RR10015S    |
| 2-1/8      | DS-1634L | 3.937    | 2.362    | 3.783   | 1.181   | 2.819   | RR10015S    |
| 2-3/16     | DS-1635L | 3.937    | 2.362    | 3.783   | 1.260   | 2.819   | RR10015S    |
| 2-1/4      | DS-1636L | 3.937    | 2.362    | 3.900   | 1.260   | 2.937   | RR10015S    |
| 2-3/8      | DS-1638L | 4.134    | 2.362    | 3.900   | 1.378   | 2.937   | RR10015S    |
| 2-1/2      | DS-1640L | 4.291    | 2.362    | 3.900   | 1.378   | 2.937   | RR10015S    |

# ATP 1" SQUARE DRIVE

## ACCESSORIES



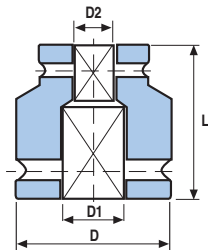
### Universal Joint

| SIZE<br>in | PART# | L (hole to hole)<br>in | RET<br>RING |
|------------|-------|------------------------|-------------|
| 1          | U1616 | 4.25                   | RR10010S    |



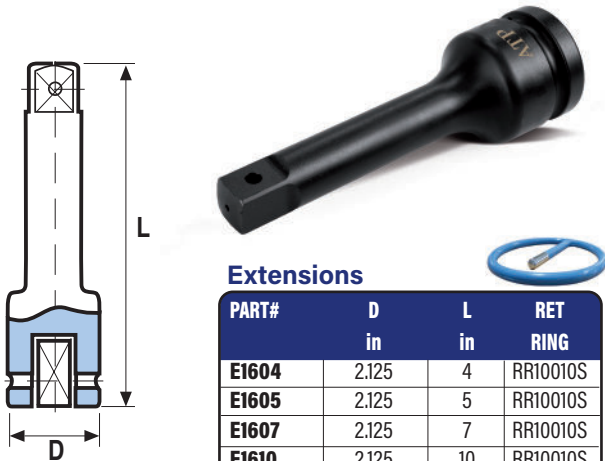
### Adapters

| PART# | FEMALE<br>in | MALE<br>in | L<br>in | RET<br>RING |
|-------|--------------|------------|---------|-------------|
| A1612 | 1            | 3/4        | 2.750   | RR10010S    |
| A1624 | 1            | 1-1/2      | 3.346   | RR10010S    |
| A1695 | 1            | #5 Spline  | 4.330   | RR10010S    |



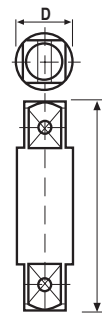
### Double Ended Female Adapters

| PART#  | D1<br>in | D2<br>in | L<br>in | D<br>in | RET RINGS<br>(D1) (D2) |          |
|--------|----------|----------|---------|---------|------------------------|----------|
| AN1612 | 1        | 3/4      | 2.48    | 2.13    | 10010S                 | RR10006S |
| AN1616 | 1        | 1        | 2.32    | 2.13    | 10010S                 | RR10010S |
| AN2416 | 1-1/2    | 1        | 3.27    | 3.39    | 10020S                 | RR10010S |



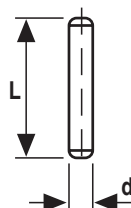
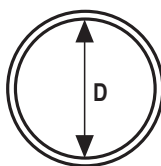
### Extensions

| PART# | D<br>in | L<br>in | RET<br>RING |
|-------|---------|---------|-------------|
| E1604 | 2.125   | 4       | RR10010S    |
| E1605 | 2.125   | 5       | RR10010S    |
| E1607 | 2.125   | 7       | RR10010S    |
| E1610 | 2.125   | 10      | RR10010S    |
| E1613 | 2.125   | 13      | RR10010S    |



### Double Ended Male Extensions

| PART# | D<br>in | L<br>in |
|-------|---------|---------|
| Z1603 | 1.3     | 3       |
| Z1604 | 1.3     | 4       |
| Z1605 | 1.3     | 5       |
| Z1606 | 1.3     | 6       |
| Z1607 | 1.3     | 7       |
| Z1610 | 1.3     | 10      |
| Z1613 | 1.3     | 13      |
| Z1615 | 1.3     | 15      |
| Z1616 | 1.3     | 16      |
| Z1617 | 1.3     | 17      |



### Retaining Pins and Rings

| SQUARE<br>DRIVE | SOCKET<br>SIZES                 | PIN#   | RING#  | d<br>in | L<br>in | D<br>in |
|-----------------|---------------------------------|--------|--------|---------|---------|---------|
| 1               | Up To 2-3/4" (70mm)             | P1654  | R1654  | .195    | 1.750   | 1.750   |
| 1               | From 2-3/4" To 3-15/16" (100mm) | P1686  | R1686  | .195    | 3.000   | 3.000   |
| 1               | Above 3-15/16" (100mm)          | P16127 | R16127 | .195    | 4.600   | 4.600   |

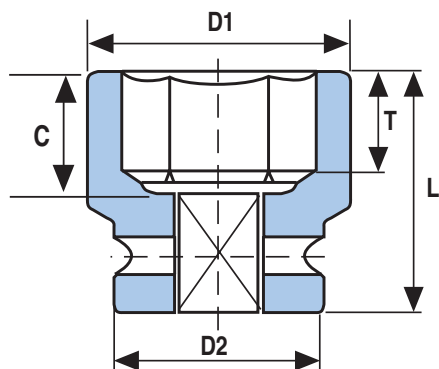
# ATP 1-1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



The exceptional strength of the ATP 1-1/2" drive sockets often makes them the preferred choice of hydraulic bolting specialists.

Specialty sockets for the precision bolting market are available from ATP



### Standard Fractional Sizes

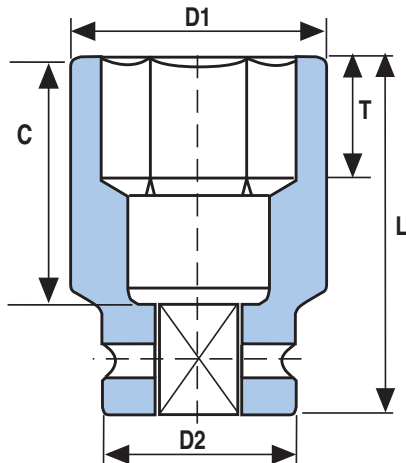


| SIZE<br>in | PART#  | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|--------|----------|----------|---------|---------|---------|-------------|
| 1-5/16     | Z-2421 | 2.402    | 3.386    | 2.925   | .748    | 1.328   | RR10021S    |
| 1-3/8      | Z-2422 | 2.480    | 3.386    | 2.925   | .748    | 1.328   | RR10021S    |
| 1-7/16     | Z-2423 | 2.520    | 3.386    | 3.120   | .748    | 1.525   | RR10021S    |
| 1-1/2      | Z-2424 | 2.520    | 3.386    | 3.120   | .866    | 1.525   | RR10021S    |
| 1-9/16     | Z-2425 | 2.677    | 3.386    | 3.120   | .866    | 1.525   | RR10021S    |
| 1-5/8      | Z-2426 | 2.795    | 3.386    | 3.120   | .866    | 1.525   | RR10021S    |
| 1-11/16    | Z-2427 | 2.874    | 3.386    | 3.120   | .984    | 1.525   | RR10021S    |
| 1-3/4      | Z-2428 | 2.953    | 3.386    | 3.120   | 1.004   | 1.525   | RR10021S    |
| 1-13/16    | Z-2429 | 2.953    | 3.386    | 3.120   | 1.004   | 1.525   | RR10021S    |
| 1-7/8      | Z-2430 | 3.150    | 3.386    | 3.198   | 1.036   | 1.603   | RR10021S    |
| 1-15/16    | Z-2431 | 3.150    | 3.386    | 3.198   | 1.063   | 1.603   | RR10021S    |
| 2          | Z-2432 | 3.150    | 3.386    | 3.198   | 1.063   | 1.603   | RR10021S    |
| 2-1/16     | Z-2433 | 3.386    | 3.386    | 3.471   | 1.181   | 1.840   | RR10021S    |
| 2-1/8      | Z-2434 | 3.386    | 3.386    | 3.471   | 1.181   | 1.840   | RR10021S    |
| 2-3/16     | Z-2435 | 3.386    | 3.386    | 3.588   | 1.260   | 1.958   | RR10021S    |
| 2-1/4      | Z-2436 | 3.386    | 3.386    | 3.588   | 1.280   | 1.958   | RR10021S    |
| 2-5/16     | Z-2437 | 3.622    | 3.386    | 3.588   | 1.300   | 1.958   | RR10021S    |
| 2-3/8      | Z-2438 | 3.622    | 3.386    | 3.744   | 1.378   | 2.115   | RR10021S    |
| 2-7/16     | Z-2439 | 3.780    | 3.386    | 3.744   | 1.378   | 2.115   | RR10021S    |
| 2-1/2      | Z-2440 | 3.937    | 3.386    | 3.744   | 1.378   | 2.115   | RR10021S    |
| 2-9/16     | Z-2441 | 3.937    | 3.386    | 3.744   | 1.378   | 2.115   | RR10021S    |
| 2-5/8      | Z-2442 | 3.937    | 3.386    | 3.939   | 1.496   | 2.312   | RR10021S    |
| 2-11/16    | Z-2443 | 4.134    | 3.386    | 3.939   | 1.496   | 2.312   | RR10021S    |
| 2-3/4      | Z-2444 | 4.134    | 3.386    | 3.939   | 1.496   | 2.312   | RR10021S    |
| 2-13/16    | Z-2445 | 4.291    | 3.386    | 4.095   | 1.575   | 2.509   | RR10021S    |
| 2-7/8      | Z-2446 | 4.291    | 3.386    | 4.095   | 1.614   | 2.509   | RR10021S    |
| 2-15/16    | Z-2447 | 4.291    | 3.386    | 4.095   | 1.614   | 2.509   | RR10021S    |
| 3          | Z-2448 | 4.528    | 3.386    | 4.290   | 1.732   | 2.706   | RR10021S    |
| 3-1/16     | Z-2449 | 4.528    | 3.386    | 4.290   | 1.732   | 2.706   | RR10021S    |
| 3-1/8      | Z-2450 | 4.528    | 3.386    | 4.290   | 1.770   | 2.706   | RR10021S    |
| 3-3/16     | Z-2451 | 4.764    | 3.386    | 4.524   | 1.850   | 3.099   | RR10021S    |
| 3-1/4      | Z-2452 | 4.764    | 3.386    | 4.524   | 1.850   | 3.099   | RR10021S    |
| 3-5/16     | Z-2453 | 4.764    | 3.386    | 4.524   | 1.850   | 3.099   | RR10021S    |
| 3-3/8      | Z-2454 | 5.000    | 3.386    | 4.524   | 1.930   | 3.099   | RR10021S    |
| 3-7/16     | Z-2455 | 5.000    | 3.386    | 4.602   | 1.930   | 3.099   | RR10021S    |
| 3-1/2      | Z-2456 | 5.118    | 3.386    | 4.602   | 1.930   | 3.099   | RR10021S    |
| 3-9/16     | Z-2457 | 5.118    | 3.386    | 4.602   | 1.930   | 3.099   | RR10021S    |
| 3-5/8      | Z-2458 | 5.315    | 5.000    | 4.602   | 1.930   | 3.099   | *           |
| 3-11/16    | Z-2459 | 5.315    | 5.000    | 4.602   | 1.930   | 3.099   | *           |
| 3-3/4      | Z-2460 | 5.315    | 5.000    | 4.602   | 1.930   | 3.296   | *           |
| 3-13/16    | Z-2461 | 5.512    | 5.000    | 4.875   | 2.125   | 3.296   | *           |
| 3-7/8      | Z-2462 | 5.512    | 5.000    | 4.875   | 2.125   | 3.296   | *           |
| 3-15/16    | Z-2463 | 5.512    | 5.000    | 4.875   | 2.125   | 3.296   | *           |
| 4          | Z-2464 | 5.709    | 5.000    | 4.875   | 2.125   | 3.296   | *           |
| 4-1/16     | Z-2465 | 5.709    | 5.000    | 4.875   | 2.125   | 3.296   | *           |
| 4-1/8      | Z-2466 | 5.906    | 5.000    | 4.875   | 2.126   | 3.296   | *           |
| 4-3/16     | Z-2467 | 5.906    | 5.000    | 5.343   | 2.440   | 3.296   | *           |
| 4-1/4      | Z-2468 | 5.906    | 5.000    | 5.343   | 2.440   | 3.690   | *           |
| 4-5/16     | Z-2469 | 6.102    | 5.000    | 5.343   | 2.440   | 3.690   | *           |
| 4-3/8      | Z-2470 | 6.102    | 5.000    | 5.343   | 2.440   | 3.690   | *           |
| 4-7/16     | Z-2471 | 6.102    | 5.000    | 5.343   | 2.440   | 3.690   | *           |
| 4-1/2      | Z-2472 | 6.299    | 5.000    | 5.343   | 2.440   | 3.690   | *           |
| 4-5/8      | Z-2474 | 6.496    | 5.000    | 5.577   | 2.640   | 4.084   | *           |
| 4-3/4      | Z-2476 | 6.693    | 5.000    | 5.655   | 2.640   | 4.084   | *           |
| 4-7/8      | Z-2478 | 6.693    | 5.000    | 5.655   | 2.640   | 4.084   | *           |
| 5          | Z-2480 | 7.087    | 5.000    | 5.850   | 2.830   | 4.281   | *           |
| 5-1/8      | Z-2482 | 7.087    | 5.000    | 6.162   | 2.990   | 4.674   | *           |
| 5-3/16     | Z-2483 | 7.087    | 5.000    | 6.162   | 2.990   | 4.674   | *           |
| 5-1/4      | Z-2484 | 7.480    | 5.000    | 6.162   | 2.980   | 4.574   | *           |
| 5-3/8      | Z-2486 | 7.480    | 5.000    | 6.162   | 2.990   | 4.674   | *           |

\* Requires retaining pin and ring, Pin = P24127, Ring = RR24127

# ATP 1-1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



### Deep Fractional Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in | RET<br>RING |
|------------|---------|----------|----------|---------|---------|---------|-------------|
| 1-5/16     | Z-2421L | 2.402    | 3.386    | 5.460   | .748    | 3.887   | RR10021S    |
| 1-3/8      | Z-2422L | 2.480    | 3.386    | 5.460   | .748    | 3.887   | RR10021S    |
| 1-7/16     | Z-2423L | 2.520    | 3.386    | 5.460   | .748    | 3.887   | RR10021S    |
| 1-1/2      | Z-2424L | 2.520    | 3.386    | 5.460   | .866    | 3.887   | RR10021S    |
| 1-9/16     | Z-2425L | 2.677    | 3.386    | 5.460   | .866    | 3.887   | RR10021S    |
| 1-5/8      | Z-2426L | 2.795    | 3.386    | 5.460   | .866    | 3.887   | RR10021S    |
| 1-11/16    | Z-2427L | 2.874    | 3.386    | 5.460   | .984    | 3.887   | RR10021S    |
| 1-3/4      | Z-2428L | 2.953    | 3.386    | 5.460   | 1.004   | 3.887   | RR10021S    |
| 1-13/16    | Z-2429L | 2.953    | 3.386    | 5.460   | 1.004   | 3.887   | RR10021S    |
| 1-7/8      | Z-2430L | 3.150    | 3.386    | 5.460   | 1.036   | 3.887   | RR10021S    |
| 1-15/16    | Z-2431L | 3.150    | 3.386    | 5.460   | 1.063   | 3.887   | RR10021S    |
| 2          | Z-2432L | 3.150    | 3.386    | 5.460   | 1.063   | 3.887   | RR10021S    |
| 2-1/16     | Z-2433L | 3.386    | 3.386    | 5.460   | 1.181   | 3.887   | RR10021S    |
| 2-1/8      | Z-2434L | 3.386    | 3.386    | 5.460   | 1.181   | 3.887   | RR10021S    |
| 2-3/16     | Z-2435L | 3.386    | 3.386    | 5.460   | 1.260   | 3.887   | RR10021S    |
| 2-1/4      | Z-2436L | 3.386    | 3.386    | 5.460   | 1.280   | 3.887   | RR10021S    |
| 2-5/16     | Z-2437L | 3.622    | 3.386    | 5.460   | 1.300   | 3.887   | RR10021S    |
| 2-3/8      | Z-2438L | 3.622    | 3.386    | 5.460   | 1.378   | 3.887   | RR10021S    |
| 2-7/16     | Z-2439L | 3.780    | 3.386    | 5.460   | 1.378   | 3.887   | RR10021S    |
| 2-1/2      | Z-2440L | 3.937    | 3.386    | 5.460   | 1.378   | 3.887   | RR10021S    |
| 2-9/16     | Z-2441L | 3.937    | 3.386    | 5.460   | 1.378   | 3.887   | RR10021S    |
| 2-5/8      | Z-2442L | 3.937    | 3.386    | 5.460   | 1.496   | 3.887   | RR10021S    |
| 2-11/16    | Z-2443L | 4.134    | 3.386    | 5.460   | 1.496   | 3.887   | RR10021S    |
| 2-3/4      | Z-2444L | 4.134    | 3.386    | 5.460   | 1.496   | 3.887   | RR10021S    |
| 2-13/16    | Z-2445L | 4.291    | 3.386    | 5.460   | 1.575   | 3.887   | RR10021S    |
| 2-7/8      | Z-2446L | 4.291    | 3.386    | 5.460   | 1.614   | 3.887   | RR10021S    |
| 2-15/16    | Z-2447L | 4.291    | 3.386    | 5.460   | 1.614   | 3.887   | RR10021S    |
| 3          | Z-2448L | 4.528    | 3.386    | 5.460   | 1.732   | 3.887   | RR10021S    |
| 3-1/16     | Z-2449L | 4.528    | 3.386    | 5.460   | 1.732   | 3.887   | RR10021S    |
| 3-1/8      | Z-2450L | 4.528    | 3.386    | 5.460   | 1.770   | 3.887   | RR10021S    |
| 3-3/16     | Z-2451L | 4.764    | 3.386    | 5.460   | 1.850   | 3.887   | RR10021S    |
| 3-1/4      | Z-2452L | 4.764    | 3.386    | 5.460   | 1.850   | 3.887   | RR10021S    |
| 3-5/16     | Z-2453L | 4.764    | 3.386    | 5.460   | 1.850   | 3.887   | RR10021S    |
| 3-3/8      | Z-2454L | 5.000    | 3.386    | 5.460   | 1.930   | 3.887   | RR10021S    |
| 3-7/16     | Z-2455L | 5.000    | 3.386    | 5.460   | 1.930   | 3.887   | RR10021S    |
| 3-1/2      | Z-2456L | 5.118    | 3.386    | 5.460   | 1.930   | 3.887   | RR10021S    |
| 3-9/16     | Z-2457L | 5.118    | 3.386    | 5.460   | 1.930   | 3.887   | RR10021S    |
| 3-5/8      | Z-2458L | 5.315    | 5.000    | 5.460   | 1.930   | 3.887   | *           |
| 3-11/16    | Z-2459L | 5.315    | 5.000    | 5.460   | 1.930   | 4.281   | *           |
| 3-3/4      | Z-2460L | 5.315    | 5.000    | 5.850   | 1.930   | 4.281   | *           |
| 3-13/16    | Z-2461L | 5.512    | 5.000    | 5.850   | 2.125   | 4.281   | *           |
| 3-7/8      | Z-2462L | 5.512    | 5.000    | 5.850   | 2.125   | 4.281   | *           |
| 3-15/16    | Z-2463L | 5.512    | 5.000    | 5.850   | 2.125   | 4.281   | *           |
| 4          | Z-2464L | 5.709    | 5.000    | 5.850   | 2.125   | 4.281   | *           |
| 4-1/16     | Z-2465L | 5.709    | 5.000    | 5.850   | 2.125   | 4.281   | *           |
| 4-1/8      | Z-2466L | 5.906    | 5.000    | 5.850   | 2.126   | 4.281   | *           |
| 4-3/16     | Z-2467L | 5.906    | 5.000    | 5.850   | 2.440   | 4.281   | *           |
| 4-1/4      | Z-2468L | 5.906    | 5.000    | 6.240   | 2.440   | 4.674   | *           |
| 4-5/16     | Z-2469L | 6.102    | 5.000    | 6.240   | 2.440   | 4.674   | *           |
| 4-3/8      | Z-2470L | 6.102    | 5.000    | 6.240   | 2.440   | 4.674   | *           |
| 4-7/16     | Z-2471L | 6.102    | 5.000    | 6.240   | 2.440   | 4.674   | *           |
| 4-1/2      | Z-2472L | 6.299    | 5.000    | 6.240   | 2.440   | 4.674   | *           |
| 4-5/8      | Z-2474L | 6.496    | 5.000    | 6.630   | 2.640   | 5.068   | *           |
| 4-3/4      | Z-2476L | 6.693    | 5.000    | 6.630   | 2.640   | 5.068   | *           |
| 4-7/8      | Z-2478L | 6.693    | 5.000    | 6.630   | 2.640   | 5.068   | *           |
| 5          | Z-2480L | 7.087    | 5.000    | 7.020   | 2.830   | 5.462   | *           |
| 5-1/8      | Z-2482L | 7.087    | 5.000    | 7.215   | 2.990   | 5.658   | *           |
| 5-3/16     | Z-2483L | 7.087    | 5.000    | 7.215   | 2.990   | 5.658   | *           |
| 5-3/8      | Z-2486L | 7.480    | 5.000    | 7.215   | 2.990   | 5.658   | *           |

\* Requires retaining pin and ring, Pin = P24127, Ring = RR24127

# ATP 1-1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



### Standard Metric Sizes



| SIZE<br>mm | PART#    | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm | RET<br>RING |
|------------|----------|----------|----------|---------|---------|---------|-------------|
| 32         | Z-24M32  | 60       | 86       | 75      | 16.5    | 34      | RR10021S    |
| 33         | Z-24M33  | 60       | 86       | 75      | 17      | 34      | RR10021S    |
| 34         | Z-24M34  | 60       | 86       | 75      | 17      | 34      | RR10021S    |
| 35         | Z-24M35  | 60       | 86       | 75      | 19      | 34      | RR10021S    |
| 36         | Z-24M36  | 64       | 86       | 80      | 19      | 39      | RR10021S    |
| 37         | Z-24M37  | 64       | 86       | 80      | 19      | 39      | RR10021S    |
| 38         | Z-24M38  | 64       | 86       | 80      | 22      | 39      | RR10021S    |
| 39         | Z-24M39  | 70       | 86       | 80      | 21.5    | 39      | RR10021S    |
| 40         | Z-24M40  | 70       | 86       | 80      | 21.5    | 39      | RR10021S    |
| 41         | Z-24M41  | 70       | 86       | 80      | 22      | 39      | RR10021S    |
| 42         | Z-24M42  | 70       | 86       | 80      | 21.5    | 39      | RR10021S    |
| 43         | Z-24M43  | 75       | 86       | 80      | 25      | 39      | RR10021S    |
| 44         | Z-24M44  | 75       | 86       | 80      | 21.5    | 39      | RR10021S    |
| 45         | Z-24M45  | 75       | 86       | 80      | 21.5    | 39      | RR10021S    |
| 46         | Z-24M46  | 75       | 86       | 80      | 25.5    | 39      | RR10021S    |
| 47         | Z-24M47  | 75       | 86       | 80      | 23.5    | 39      | RR10021S    |
| 48         | Z-24M48  | 80       | 86       | 82      | 23.5    | 41      | RR10021S    |
| 49         | Z-24M49  | 80       | 86       | 82      | 27      | 41      | RR10021S    |
| 50         | Z-24M50  | 80       | 86       | 82      | 23.5    | 41      | RR10021S    |
| 51         | Z-24M51  | 80       | 86       | 82      | 27      | 41      | RR10021S    |
| 52         | Z-24M52  | 80       | 86       | 82      | 27      | 41      | RR10021S    |
| 54         | Z-24M54  | 86       | 86       | 89      | 30      | 47      | RR10021S    |
| 55         | Z-24M55  | 86       | 86       | 89      | 27      | 47      | RR10021S    |
| 56         | Z-24M56  | 86       | 86       | 92      | 28      | 50      | RR10021S    |
| 57         | Z-24M57  | 86       | 86       | 92      | 32.5    | 50      | RR10021S    |
| 58         | Z-24M58  | 92       | 86       | 92      | 28      | 50      | RR10021S    |
| 59         | Z-24M59  | 92       | 86       | 92      | 33      | 50      | RR10021S    |
| 60         | Z-24M60  | 92       | 86       | 92      | 28      | 50      | RR10021S    |
| 61         | Z-24M61  | 96       | 86       | 96      | 28      | 54      | RR10021S    |
| 62         | Z-24M62  | 96       | 86       | 96      | 35      | 54      | RR10021S    |
| 65         | Z-24M65  | 100      | 86       | 96      | 35      | 54      | RR10021S    |
| 67         | Z-24M67  | 100      | 86       | 101     | 38      | 59      | RR10021S    |
| 70         | Z-24M70  | 105      | 86       | 101     | 38      | 59      | RR10021S    |
| 73         | Z-24M73  | 109      | 86       | 105     | 41      | 64      | RR10021S    |
| 75         | Z-24M75  | 109      | 86       | 105     | 41      | 64      | RR10021S    |
| 76         | Z-24M76  | 115      | 86       | 110     | 44      | 69      | RR10021S    |
| 80         | Z-24M80  | 115      | 86       | 110     | 37      | 69      | RR10021S    |
| 85         | Z-24M85  | 121      | 86       | 116     | 40      | 79      | RR10021S    |
| 86         | Z-24M86  | 127      | 86       | 116     | 49      | 79      | RR10021S    |
| 90         | Z-24M90  | 130      | 86       | 118     | 43      | 79      | RR10021S    |
| 95         | Z-24M95  | 135      | 127      | 118     | 49      | 84      | *           |
| 100        | Z-24M100 | 140      | 127      | 125     | 54      | 84      | *           |
| 105        | Z-24M105 | 150      | 127      | 125     | 54      | 84      | *           |
| 110        | Z-24M110 | 155      | 127      | 137     | 62      | 94      | *           |
| 115        | Z-24M115 | 160      | 127      | 137     | 57      | 94      | *           |
| 120        | Z-24M120 | 165      | 127      | 145     | 67      | 104     | *           |
| 125        | Z-24M125 | 170      | 127      | 145     | 67      | 104     | *           |
| 130        | Z-24M130 | 180      | 127      | 158     | 76      | 119     | *           |

\* Requires retaining pin and ring, Pin = P24127, Ring = RR24127

### Deep Metric Sizes



| SIZE<br>mm | PART#     | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm | RET<br>RING |
|------------|-----------|----------|----------|---------|---------|---------|-------------|
| 32         | Z-24M32L  | 60       | 86       | 140     | 16.5    | 99      | RR10021S    |
| 33         | Z-24M33L  | 60       | 86       | 140     | 17      | 99      | RR10021S    |
| 34         | Z-24M34L  | 60       | 86       | 140     | 17      | 99      | RR10021S    |
| 35         | Z-24M35L  | 60       | 86       | 140     | 19      | 99      | RR10021S    |
| 36         | Z-24M36L  | 64       | 86       | 140     | 19      | 99      | RR10021S    |
| 37         | Z-24M37L  | 64       | 86       | 140     | 19      | 99      | RR10021S    |
| 38         | Z-24M38L  | 64       | 86       | 140     | 22      | 99      | RR10021S    |
| 39         | Z-24M39L  | 70       | 86       | 140     | 21.5    | 99      | RR10021S    |
| 40         | Z-24M40L  | 70       | 86       | 140     | 21.5    | 99      | RR10021S    |
| 41         | Z-24M41L  | 70       | 86       | 140     | 22      | 99      | RR10021S    |
| 42         | Z-24M42L  | 70       | 86       | 140     | 21.5    | 99      | RR10021S    |
| 43         | Z-24M43L  | 75       | 86       | 140     | 25      | 99      | RR10021S    |
| 44         | Z-24M44L  | 75       | 86       | 140     | 21.5    | 99      | RR10021S    |
| 45         | Z-24M45L  | 75       | 86       | 140     | 21.5    | 99      | RR10021S    |
| 46         | Z-24M46L  | 75       | 86       | 140     | 25.5    | 99      | RR10021S    |
| 47         | Z-24M47L  | 75       | 86       | 140     | 23.5    | 99      | RR10021S    |
| 48         | Z-24M48L  | 80       | 86       | 140     | 23.5    | 99      | RR10021S    |
| 49         | Z-24M49L  | 80       | 86       | 140     | 27      | 99      | RR10021S    |
| 50         | Z-24M50L  | 80       | 86       | 140     | 23.5    | 99      | RR10021S    |
| 51         | Z-24M51L  | 80       | 86       | 140     | 27      | 99      | RR10021S    |
| 52         | Z-24M52L  | 80       | 86       | 140     | 27      | 99      | RR10021S    |
| 54         | Z-24M54L  | 86       | 86       | 140     | 30      | 99      | RR10021S    |
| 55         | Z-24M55L  | 86       | 86       | 140     | 27      | 99      | RR10021S    |
| 56         | Z-24M56L  | 86       | 86       | 140     | 28      | 99      | RR10021S    |
| 57         | Z-24M57L  | 86       | 86       | 140     | 32.5    | 99      | RR10021S    |
| 58         | Z-24M58L  | 92       | 86       | 140     | 28      | 99      | RR10021S    |
| 59         | Z-24M59L  | 92       | 86       | 140     | 33      | 99      | RR10021S    |
| 60         | Z-24M60L  | 92       | 86       | 140     | 28      | 99      | RR10021S    |
| 61         | Z-24M61L  | 96       | 86       | 140     | 28      | 99      | RR10021S    |
| 62         | Z-24M62L  | 96       | 86       | 140     | 35      | 99      | RR10021S    |
| 65         | Z-24M65L  | 100      | 86       | 140     | 35      | 99      | RR10021S    |
| 67         | Z-24M67L  | 100      | 86       | 140     | 38      | 99      | RR10021S    |
| 70         | Z-24M70L  | 105      | 86       | 140     | 38      | 99      | RR10021S    |
| 73         | Z-24M73L  | 109      | 86       | 140     | 41      | 99      | RR10021S    |
| 75         | Z-24M75L  | 109      | 86       | 140     | 41      | 99      | RR10021S    |
| 76         | Z-24M76L  | 115      | 86       | 140     | 44      | 99      | RR10021S    |
| 80         | Z-24M80L  | 115      | 86       | 140     | 37      | 99      | RR10021S    |
| 85         | Z-24M85L  | 121      | 86       | 140     | 40      | 99      | RR10021S    |
| 86         | Z-24M86L  | 127      | 86       | 140     | 49      | 99      | RR10021S    |
| 90         | Z-24M90L  | 130      | 86       | 140     | 43      | 99      | RR10021S    |
| 95         | Z-24M95L  | 135      | 127      | 150     | 49      | 109     | *           |
| 100        | Z-24M100L | 140      | 127      | 150     | 54      | 109     | *           |
| 105        | Z-24M105L | 150      | 127      | 150     | 54      | 109     | *           |
| 110        | Z-24M110L | 155      | 127      | 160     | 62      | 119     | *           |
| 115        | Z-24M115L | 160      | 127      | 160     | 57      | 119     | *           |
| 120        | Z-24M120L | 165      | 127      | 170     | 67      | 129     | *           |
| 125        | Z-24M125L | 170      | 127      | 170     | 67      | 129     | *           |
| 130        | Z-24M130L | 180      | 127      | 185     | 76      | 144     | *           |

\* Requires retaining pin and ring, Pin = P24127, Ring = RR24127

# ATP 1-1/2" SQUARE DRIVE

## 12 POINT IMPACT SOCKETS



### Standard Socket Sizes

| SIZE<br>in | SIZE<br>mm | PART#      | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | Weight<br>gr | RET<br>RING |
|------------|------------|------------|----------|----------|---------|---------|--------------|-------------|
| 1-5/16     |            | DH-2421    | 60       | 86       | 75      | 19      | 1800         | RR10021S    |
| 1-3/8      | 35         | DH-2422M35 | 60       | 86       | 75      | 19      | 1800         | RR10021S    |
| 1-7/16     |            | DH-2423    | 64       | 86       | 80      | 19      | 2200         | RR10021S    |
| 1-1/2      | 38         | DH-2424M38 | 64       | 86       | 80      | 22      | 2200         | RR10021S    |
| 1-9/16     |            | DH-2425    | 70       | 86       | 80      | 22      | 2200         | RR10021S    |
| 1-5/8      | 41         | DH-2426M41 | 70       | 86       | 80      | 22      | 2200         | RR10021S    |
| 1-11/16    | 43         | DH-2427M43 | 75       | 86       | 80      | 25      | 2200         | RR10021S    |
| 1-3/4      |            | DH-2428    | 75       | 86       | 80      | 25.5    | 2200         | RR10021S    |
| 1-13/16    | 46         | DH-2429M46 | 75       | 86       | 80      | 25.5    | 2200         | RR10021S    |
| 1-7/8      |            | DH-2430    | 80       | 86       | 82      | 27      | 2300         | RR10021S    |
| 1-15/16    | 49         | DH-2431M49 | 80       | 86       | 82      | 27      | 2300         | RR10021S    |
| 2          | 51         | DH-2432M51 | 80       | 86       | 82      | 27      | 2300         | RR10021S    |
| 2-1/16     |            | DH-2433    | 86       | 86       | 89      | 30      | 2500         | RR10021S    |
| 2-1/8      | 54         | DH-2434M54 | 86       | 86       | 89      | 30      | 2500         | RR10021S    |
|            | 55         | DH-24M55   | 86       | 86       | 89      | 30      | 2500         | RR10021S    |
| 2-3/16     |            | DH-2435    | 86       | 86       | 92      | 32      | 2500         | RR10021S    |
| 2-1/4      | 57         | DH-2436M57 | 86       | 86       | 92      | 32.5    | 2500         | RR10021S    |
| 2-5/16     | 59         | DH-2437M59 | 92       | 86       | 92      | 33      | 2800         | RR10021S    |
| 2-3/8      |            | DH-2438    | 92       | 86       | 96      | 35      | 2800         | RR10021S    |
| 2-7/16     | 62         | DH-2439M62 | 96       | 86       | 96      | 35      | 3200         | RR10021S    |
| 2-1/2      |            | DH-2440    | 100      | 86       | 96      | 35      | 3350         | RR10021S    |
| 2-9/16     | 65         | DH-2441M65 | 100      | 86       | 96      | 35      | 3350         | RR10021S    |
| 2-5/8      | 67         | DH-2442M67 | 100      | 86       | 101     | 38      | 3350         | RR10021S    |
| 2-3/4      | 70         | DH-2444M70 | 105      | 86       | 101     | 38      | 3600         | RR10021S    |
| 2-7/8      | 73         | DH-2446M73 | 105      | 86       | 101     | 44      | 3900         | RR10021S    |
| 2-15/16    | 75         | DH-2447M75 | 105      | 86       | 101     | 44      | 3900         | RR10021S    |
| 2-13/16    |            | DH-2445    | 105      | 86       | 105     | 44      | 3900         | RR10021S    |
| 3          | 76         | DH-2448M76 | 115      | 86       | 110     | 44      | 4500         | RR10021S    |
| 3-1/8      |            | DH-2450    | 115      | 86       | 110     | 44      | 4500         | RR10021S    |
| 3-3/16     |            | DH-2451    | 121      | 86       | 116     | 47      | 5100         | RR10021S    |

### Standard Socket Sizes Cont.

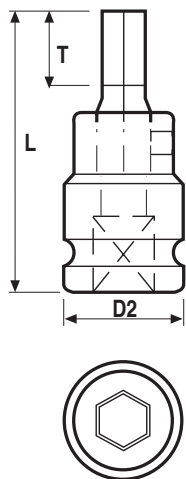
| SIZE<br>in | SIZE<br>mm | PART#       | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | Weight<br>gr | RET<br>RING |
|------------|------------|-------------|----------|----------|---------|---------|--------------|-------------|
| 3-1/4      |            | DH-2452     | 121      | 86       | 116     | 47      | 5100         | RR10021S    |
| 3-5/16     |            | DH-2453     | 121      | 86       | 116     | 47      | 5100         | RR10021S    |
| 3-3/8      | 86         | DH-2454M86  | 127      | 86       | 116     | 49      | 5500         | RR10021S    |
| 3-7/16     |            | DH-2455     | 127      | 86       | 118     | 49      | 5500         | RR10021S    |
| 3-1/2      |            | DH-2456     | 130      | 86       | 118     | 49      | 5600         | RR10021S    |
| 3-9/16     |            | DH-2457     | 130      | 86       | 118     | 49      | 5600         | RR10021S    |
| 3-5/8      |            | DH-2458     | 135      | 127      | 118     | 49      | 7900         | *           |
| 3-11/16    |            | DH-2459     | 135      | 127      | 118     | 49      | 7900         | *           |
| 3-3/4      | 95         | DH-2460M95  | 135      | 127      | 118     | 49      | 7900         | *           |
| 3-13/16    |            | DH-2461     | 140      | 127      | 125     | 54      | 8500         | *           |
| 3-7/8      |            | DH-2462     | 140      | 127      | 125     | 54      | 8500         | *           |
| 3-15/16    | 100        | DH-2463M100 | 140      | 127      | 125     | 54      | 8500         | *           |
| 4          |            | DH-2464     | 145      | 127      | 125     | 54      | 9000         | *           |
| 4-1/16     |            | DH-2465     | 145      | 127      | 125     | 54      | 9000         | *           |
| 4-1/8      | 105        | DH-2466M105 | 150      | 127      | 125     | 54      | 9500         | *           |
| 4-3/16     |            | DH-2467     | 150      | 127      | 137     | 54      | 10200        | *           |
| 4-1/4      |            | DH-2468     | 150      | 127      | 137     | 62      | 10200        | *           |
| 4-5/16     | 110        | DH-2469M110 | 155      | 127      | 137     | 62      | 10400        | *           |
| 4-3/8      |            | DH-2470     | 155      | 127      | 137     | 62      | 10400        | *           |
| 4-7/16     |            | DH-2471     | 155      | 127      | 137     | 62      | 10400        | *           |
| 4-1/2      |            | DH-2472     | 160      | 127      | 137     | 62      | 11500        | *           |
| 4-5/8      |            | DH-2474     | 165      | 127      | 143     | 67      | 12000        | *           |
| 4-3/4      |            | DH-2476     | 165      | 127      | 145     | 67      | 12000        | *           |
| 4-7/8      |            | DH-2478     | 170      | 127      | 145     | 67      | 12200        | *           |
| 5          |            | DH-2480     | 180      | 127      | 150     | 72      | 14800        | *           |
| 5-1/8      | 130        | DH-2482M130 | 180      | 127      | 158     | 76      | 14800        | *           |
| 5-3/16     |            | DH-2483     | 180      | 127      | 158     | 76      | 14800        | *           |
| 5-3/8      |            | DH-2486     | 190      | 127      | 158     | 76      | 16700        | *           |

\* Requires retaining pin and ring, Pin = P24127, Ring = RR24127

### 2-Part In-Hex Sizes



| HEX<br>in | HEX<br>mm | PART#    | D2<br>mm | L<br>mm | T<br>mm | Weight<br>gr | RET<br>RING | REPLACEMENT<br>HEX BIT |
|-----------|-----------|----------|----------|---------|---------|--------------|-------------|------------------------|
| 1         |           | Z-2416V  | 86       | 116     | 25      | 2600         | RR10021S    | H16                    |
| 1-1/8     |           | Z-2418V  | 86       | 119     | 28      | 2600         | RR10021S    | H18                    |
| 1-1/4     |           | Z-2420V  | 86       | 123     | 32      | 2800         | RR10021S    | H20                    |
| 1-3/8     |           | Z-2422V  | 86       | 126     | 35      | 3400         | RR10021S    | H22                    |
| 1-1/2     |           | Z-2424V  | 86       | 129     | 38      | 3400         | RR10021S    | H24                    |
| 1-5/8     |           | Z-2426V  | 86       | 132     | 41      | 3520         | RR10021S    | H26                    |
| 1-3/4     |           | Z-2428V  | 86       | 135     | 44      | 3520         | RR10021S    | H28                    |
| 1-13/16   |           | Z-2429V  | 86       | 137     | 46      | 4700         | RR10021S    | H29                    |
| 1-7/8     |           | Z-2430V  | 86       | 139     | 48      | 4900         | RR10021S    | H30                    |
| 2         |           | Z-2432V  | 86       | 142     | 51      | 4900         | RR10021S    | H32                    |
| 2-1/8     |           | Z-2434V  | 86       | 145     | 54      | 5100         | RR10021S    | H34                    |
|           | 22        | Z-24M22V | 86       | 113     | 22      | 2600         | RR10021S    | HM22                   |
|           | 24        | Z-24M24V | 86       | 115     | 24      | 2600         | RR10021S    | HM24                   |
|           | 27        | Z-24M27V | 86       | 118     | 27      | 2600         | RR10021S    | HM27                   |
|           | 30        | Z-24M30V | 86       | 121     | 30      | 2800         | RR10021S    | HM30                   |
|           | 32        | Z-24M32V | 86       | 123     | 32      | 2800         | RR10021S    | HM32                   |
|           | 36        | Z-24M36V | 86       | 127     | 36      | 3400         | RR10021S    | HM36                   |
|           | 38        | Z-24M38V | 86       | 129     | 38      | 3400         | RR10021S    | HM38                   |
|           | 41        | Z-24M41V | 86       | 132     | 41      | 3520         | RR10021S    | HM41                   |
|           | 46        | Z-24M46V | 86       | 137     | 46      | 4700         | RR10021S    | HM46                   |
|           | 50        | Z-24M50V | 86       | 141     | 50      | 4900         | RR10021S    | HM50                   |
|           | 55        | Z-24M55V | 86       | 146     | 55      | 5100         | RR10021S    | HM55                   |



Note: 2 piece construction

# ATP 1-1/2" SQUARE DRIVE

## ACCESSORIES



### Universal Joint



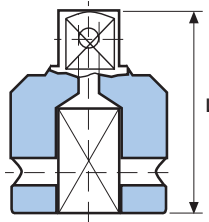
| SIZE<br>in | PART# | RET<br>RING |
|------------|-------|-------------|
| 1-1/2      | U2424 | RR10020S    |



### Adapters



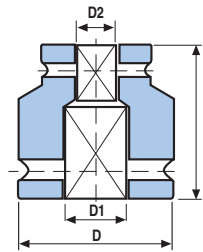
| PART# | FEMALE<br>in | MALE<br>in | L<br>in | RET<br>RING |
|-------|--------------|------------|---------|-------------|
| A2416 | 1-1/2        | 1          | 3.75    | RR10020S    |
| A2440 | 1-1/2        | 2-1/2      | 3.50    | RR10020S    |
| A2495 | 1-1/2        | #5 Spline  | 4.33    | RR10020S    |



### Double Ended Female Adapters

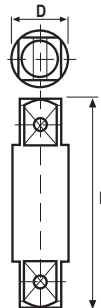


| PART#  | D1<br>in | D2<br>in | L<br>in | D<br>in | RET RINGS |          |
|--------|----------|----------|---------|---------|-----------|----------|
|        |          |          |         |         | (D1)      | (D2)     |
| AN2416 | 1-1/2    | 1        | 3.27    | 3.39    | RR10020S  | RR10008S |
| AN2424 | 1-1/2    | 1-1/2    | 3.35    | 3.39    | RR10020S  | RR10020S |
| AN4024 | 2-1/2    | 1-1/2    | 4.53    | 5.00    | RR10035S  | RR10020S |



### Double Ended Male Extensions

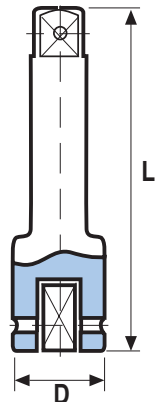
| PART# | D<br>in | L<br>in |
|-------|---------|---------|
| Z2404 | 1.93    | 4       |
| Z2405 | 1.93    | 5       |
| Z2410 | 1.93    | 10      |
| Z2420 | 1.93    | 20      |



### Extensions

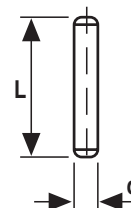
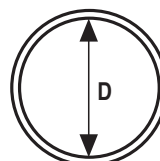


| PART# | D<br>in | L<br>in | RET<br>RING |
|-------|---------|---------|-------------|
| E2406 | 3.385   | 6       | RR10020S    |
| E2412 | 3.385   | 12      | RR10020S    |



### Retaining Pins and Rings

| SQUARE<br>DRIVE | SOCKET<br>SIZES      | PIN#   | RING#  | d<br>in | L<br>in | D<br>in |
|-----------------|----------------------|--------|--------|---------|---------|---------|
| 1-1/2           | Up To 3-9/16" (90mm) | P2486  | R2486  | .234    | 2.925   | 2.925   |
| 1-1/2           | Above 3-9/16" (90mm) | P24127 | R24127 | .234    | 4.525   | 4.525   |



# ATP 2-1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS

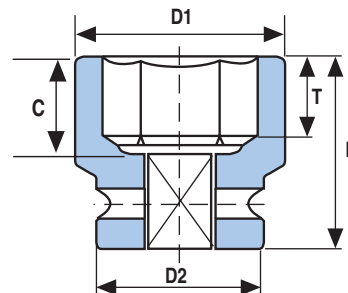


Standard Fractional Sizes

| SIZE<br>in | PART#  | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|--------|----------|----------|---------|---------|---------|
| 1-5/8      | Z-4026 | 4.094    | 5.000    | 4.485   | 0.846   | 2.349   |
| 1-11/16    | Z-4027 | 4.094    | 5.000    | 4.485   | 0.984   | 2.349   |
| 1-3/4      | Z-4028 | 4.094    | 5.000    | 4.485   | 1.000   | 2.349   |
| 1-13/16    | Z-4029 | 4.094    | 5.000    | 4.485   | 1.000   | 2.349   |
| 1-7/8      | Z-4030 | 4.094    | 5.000    | 4.485   | 1.062   | 2.349   |
| 1-15/16    | Z-4031 | 4.094    | 5.000    | 4.485   | 1.062   | 2.349   |
| 2          | Z-4032 | 4.094    | 5.000    | 4.485   | 1.062   | 2.349   |
| 2-1/16     | Z-4033 | 4.094    | 5.000    | 4.485   | 1.181   | 2.349   |
| 2-1/8      | Z-4034 | 4.094    | 5.000    | 4.485   | 1.181   | 2.349   |
| 2-3/16     | Z-4035 | 4.094    | 5.000    | 4.485   | 1.260   | 2.349   |
| 2-1/4      | Z-4036 | 4.094    | 5.000    | 4.485   | 1.280   | 2.349   |
| 2-5/16     | Z-4037 | 4.094    | 5.000    | 4.485   | 1.299   | 2.349   |
| 2-3/8      | Z-4038 | 4.094    | 5.000    | 4.485   | 1.378   | 2.349   |
| 2-7/16     | Z-4039 | 4.094    | 5.000    | 4.485   | 1.378   | 2.349   |
| 2-1/2      | Z-4040 | 4.094    | 5.000    | 4.485   | 1.378   | 2.349   |
| 2-9/16     | Z-4041 | 4.094    | 5.000    | 4.485   | 1.378   | 2.349   |
| 2-5/8      | Z-4042 | 4.094    | 5.000    | 4.485   | 1.496   | 2.349   |
| 2-11/16    | Z-4043 | 4.094    | 5.000    | 4.485   | 1.496   | 2.349   |
| 2-3/4      | Z-4044 | 4.094    | 5.000    | 4.485   | 1.496   | 2.349   |
| 2-13/16    | Z-4045 | 4.094    | 5.000    | 4.870   | 1.575   | 2.349   |
| 2-7/8      | Z-4046 | 4.094    | 5.000    | 4.870   | 1.614   | 2.349   |
| 2-15/16    | Z-4047 | 4.094    | 5.000    | 4.870   | 1.614   | 2.349   |
| 3          | Z-4048 | 4.094    | 5.000    | 4.870   | 1.732   | 2.349   |
| 3-1/16     | Z-4049 | 4.094    | 5.000    | 4.870   | 1.732   | 2.349   |
| 3-1/8      | Z-4050 | 4.094    | 5.000    | 4.870   | 1.732   | 2.349   |
| 3-3/16     | Z-4051 | 5.000    | 5.000    | 5.070   | 1.850   | 2.743   |
| 3-1/4      | Z-4052 | 5.000    | 5.000    | 5.070   | 1.850   | 2.743   |
| 3-5/16     | Z-4053 | 5.000    | 5.000    | 5.070   | 1.850   | 2.743   |
| 3-3/8      | Z-4054 | 5.000    | 5.000    | 5.070   | 1.930   | 2.743   |
| 3-7/16     | Z-4055 | 5.315    | 5.000    | 5.140   | 1.930   | 2.822   |
| 3-1/2      | Z-4056 | 5.315    | 5.000    | 5.140   | 1.930   | 2.822   |
| 3-9/16     | Z-4057 | 5.315    | 5.000    | 5.140   | 1.930   | 2.822   |
| 3-5/8      | Z-4058 | 5.315    | 5.000    | 5.140   | 1.930   | 2.822   |
| 3-11/16    | Z-4059 | 5.315    | 5.000    | 5.140   | 1.930   | 2.822   |
| 3-3/4      | Z-4060 | 5.512    | 5.000    | 5.140   | 1.930   | 2.822   |
| 3-13/16    | Z-4061 | 5.709    | 5.000    | 5.500   | 2.125   | 3.137   |
| 3-7/8      | Z-4062 | 5.709    | 5.000    | 5.500   | 2.125   | 3.137   |
| 3-15/16    | Z-4063 | 5.709    | 5.000    | 5.500   | 2.125   | 3.137   |
| 4          | Z-4064 | 5.906    | 5.000    | 5.500   | 2.125   | 3.137   |
| 4-1/16     | Z-4065 | 5.906    | 5.000    | 5.500   | 2.125   | 3.137   |
| 4-1/8      | Z-4066 | 6.102    | 5.000    | 5.500   | 2.125   | 3.137   |
| 4-3/16     | Z-4067 | 6.102    | 5.000    | 5.850   | 2.440   | 3.491   |
| 4-1/4      | Z-4068 | 6.102    | 5.000    | 5.850   | 2.440   | 3.491   |

Standard Fractional Sizes Cont.

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|---------|----------|----------|---------|---------|---------|
| 4-5/16     | Z-4069  | 6.299    | 5.000    | 5.850   | 2.440   | 3.491   |
| 4-3/8      | Z-4070  | 6.299    | 5.000    | 5.850   | 2.440   | 3.491   |
| 4-7/16     | Z-4071  | 6.496    | 5.000    | 5.850   | 2.440   | 3.491   |
| 4-1/2      | Z-4072  | 6.496    | 5.000    | 5.850   | 2.440   | 3.491   |
| 4-5/8      | Z-4074  | 6.693    | 5.000    | 6.160   | 2.640   | 3.806   |
| 4-3/4      | Z-4076  | 6.693    | 5.000    | 6.160   | 2.640   | 3.806   |
| 4-7/8      | Z-4078  | 6.693    | 5.000    | 6.160   | 2.640   | 3.806   |
| 5          | Z-4080  | 7.087    | 5.000    | 6.435   | 2.830   | 4.121   |
| 5-1/8      | Z-4082  | 7.087    | 5.000    | 6.430   | 2.990   | 4.436   |
| 5-3/16     | Z-4083  | 7.087    | 5.000    | 6.780   | 2.909   | 4.436   |
| 5-1/4      | Z-4084  | 7.480    | 5.000    | 6.780   | 2.99    | 4.436   |
| 5-3/8      | Z-4086  | 7.480    | 5.000    | 6.780   | 2.99    | 4.436   |
| 5-1/2      | Z-4088  | 7.480    | 5.000    | 6.860   | 3.11    | 4.790   |
| 5-5/8      | Z-4090  | 7.874    | 5.906    | 7.090   | 3.27    | 4.790   |
| 5-3/4      | Z-4092  | 7.874    | 5.906    | 7.090   | 3.27    | 4.790   |
| 5-7/8      | Z-4094  | 8.268    | 5.906    | 7.410   | 3.46    | 5.105   |
| 6          | Z-4096  | 8.268    | 5.906    | 7.410   | 3.46    | 5.105   |
| 6-1/8      | Z-4098  | 8.268    | 5.906    | 7.410   | 3.46    | 5.105   |
| 6-1/4      | Z-40100 | 8.661    | 5.906    | 7.560   | 3.58    | 5.263   |
| 6-3/8      | Z-40102 | 8.661    | 5.906    | 7.560   | 3.58    | 5.263   |
| 6-1/2      | Z-40104 | 9.055    | 6.890    | 7.830   | 3.70    | 5.735   |
| 6-5/8      | Z-40106 | 9.055    | 6.890    | 7.830   | 3.70    | 5.735   |
| 6-3/4      | Z-40108 | 9.055    | 6.890    | 8.110   | 3.90    | 5.735   |
| 6-7/8      | Z-40110 | 9.449    | 6.890    | 8.110   | 3.90    | 5.735   |
| 7          | Z-40112 | 9.449    | 6.890    | 8.340   | 4.09    | 6.050   |
| 7-1/8      | Z-40114 | 9.843    | 6.890    | 8.340   | 4.09    | 6.050   |
| 7-1/4      | Z-40116 | 9.843    | 6.890    | 8.340   | 4.09    | 6.050   |
| 7-3/8      | Z-40118 | 9.843    | 6.890    | 8.500   | 4.21    | 6.208   |
| 7-1/2      | Z-40120 | 10.236   | 6.890    | 8.500   | 4.21    | 6.208   |
| 7-5/8      | Z-40122 | 10.236   | 6.890    | 8.650   | 4.29    | 6.365   |
| 7-3/4      | Z-40124 | 10.630   | 6.890    | 8.810   | 4.41    | 6.523   |
| 7-13/16    | Z-40125 | 10.630   | 6.890    | 8.810   | 4.41    | 6.523   |
| 7-7/8      | Z-40126 | 10.630   | 6.890    | 8.810   | 4.41    | 6.523   |
| 8          | Z-40128 | 10.630   | 6.890    | 9.040   | 4.53    | 7.034   |
| 8-1/8      | Z-40130 | 11.024   | 6.890    | 9.040   | 4.53    | 7.034   |
| 8-1/4      | Z-40132 | 11.024   | 6.890    | 9.040   | 4.53    | 7.034   |
| 8-3/8      | Z-40134 | 11.417   | 6.890    | 9.320   | 4.72    | 7.034   |
| 8-1/2      | Z-40136 | 11.417   | 6.890    | 9.750   | 4.80    | 7.782   |
| 8-3/4      | Z-40140 | 11.811   | 6.890    | 9.870   | 4.88    | 7.782   |
| 8-7/8      | Z-40142 | 11.811   | 6.890    | 10.062  | 4.96    | 7.782   |
| 9          | Z-40144 | 12.205   | 6.890    | 10.062  | 5.04    | 7.782   |
| 9-1/8      | Z-40146 | 12.205   | 6.890    | 10.062  | 5.16    | 7.782   |
| 9-1/4      | Z-40148 | 12.205   | 6.890    | 10.725  | 5.24    | 9.515   |



# ATP 2-1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS

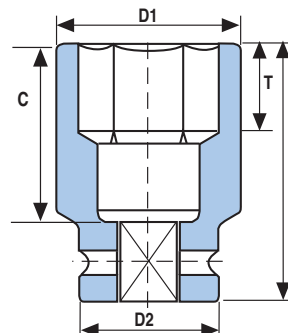


### Deep Fractional Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|---------|----------|----------|---------|---------|---------|
| 1-5/8      | Z-4026L | 4.094    | 5.000    | 7.480   | 0.846   | 5.184   |
| 1-11/16    | Z-4027L | 4.094    | 5.000    | 7.480   | 0.984   | 5.184   |
| 1-3/4      | Z-4028L | 4.094    | 5.000    | 7.480   | 1.000   | 5.184   |
| 1-13/16    | Z-4029L | 4.094    | 5.000    | 7.480   | 1.000   | 5.184   |
| 1-7/8      | Z-4030L | 4.094    | 5.000    | 7.480   | 1.062   | 5.184   |
| 1-15/16    | Z-4031L | 4.094    | 5.000    | 7.480   | 1.062   | 5.184   |
| 2          | Z-4032L | 4.094    | 5.000    | 7.480   | 1.062   | 5.184   |
| 2-1/16     | Z-4033L | 4.094    | 5.000    | 7.480   | 1.181   | 5.184   |
| 2-1/8      | Z-4034L | 4.094    | 5.000    | 7.480   | 1.181   | 5.184   |
| 2-3/16     | Z-4035L | 4.094    | 5.000    | 7.480   | 1.260   | 5.184   |
| 2-1/4      | Z-4036L | 4.094    | 5.000    | 7.480   | 1.280   | 5.184   |
| 2-5/16     | Z-4037L | 4.094    | 5.000    | 7.480   | 1.299   | 5.184   |
| 2-3/8      | Z-4038L | 4.094    | 5.000    | 7.480   | 1.378   | 5.184   |
| 2-7/16     | Z-4039L | 4.094    | 5.000    | 7.480   | 1.378   | 5.184   |
| 2-1/2      | Z-4040L | 4.094    | 5.000    | 7.480   | 1.378   | 5.184   |
| 2-9/16     | Z-4041L | 4.094    | 5.000    | 7.480   | 1.378   | 5.184   |
| 2-5/8      | Z-4042L | 4.094    | 5.000    | 7.480   | 1.496   | 5.184   |
| 2-11/16    | Z-4043L | 4.094    | 5.000    | 7.480   | 1.496   | 5.184   |
| 2-3/4      | Z-4044L | 4.094    | 5.000    | 7.480   | 1.496   | 5.184   |
| 2-13/16    | Z-4045L | 4.094    | 5.000    | 7.480   | 1.575   | 5.184   |
| 2-7/8      | Z-4046L | 4.094    | 5.000    | 7.480   | 1.614   | 5.184   |
| 2-15/16    | Z-4047L | 4.094    | 5.000    | 7.480   | 1.614   | 5.184   |
| 3          | Z-4048L | 4.094    | 5.000    | 7.480   | 1.732   | 5.184   |
| 3-1/16     | Z-4049L | 4.094    | 5.000    | 7.480   | 1.732   | 5.184   |
| 3-1/8      | Z-4050L | 4.094    | 5.000    | 7.480   | 1.732   | 5.184   |
| 3-3/16     | Z-4051L | 5.000    | 5.000    | 7.480   | 1.850   | 5.184   |
| 3-1/4      | Z-4052L | 5.000    | 5.000    | 7.480   | 1.850   | 5.184   |
| 3-5/16     | Z-4053L | 5.000    | 5.000    | 7.480   | 1.850   | 5.184   |
| 3-3/8      | Z-4054L | 5.000    | 5.000    | 7.480   | 1.930   | 5.184   |
| 3-7/16     | Z-4055L | 5.315    | 5.000    | 7.480   | 1.930   | 5.184   |
| 3-1/2      | Z-4056L | 5.315    | 5.000    | 7.480   | 1.930   | 5.184   |
| 3-9/16     | Z-4057L | 5.315    | 5.000    | 7.480   | 1.930   | 5.184   |
| 3-5/8      | Z-4058L | 5.315    | 5.000    | 7.480   | 1.930   | 5.184   |
| 3-11/16    | Z-4059L | 5.315    | 5.000    | 7.480   | 1.930   | 5.184   |
| 3-3/4      | Z-4060L | 5.512    | 5.000    | 7.480   | 1.930   | 5.184   |
| 3-13/16    | Z-4061L | 5.709    | 5.000    | 7.720   | 2.125   | 5.420   |
| 3-7/8      | Z-4062L | 5.709    | 5.000    | 7.720   | 2.125   | 5.420   |
| 3-15/16    | Z-4063L | 5.709    | 5.000    | 7.720   | 2.125   | 5.420   |
| 4          | Z-4064L | 5.906    | 5.000    | 7.720   | 2.125   | 5.420   |
| 4-1/16     | Z-4065L | 5.906    | 5.000    | 7.720   | 2.125   | 5.420   |
| 4-1/8      | Z-4066L | 6.102    | 5.000    | 7.720   | 2.125   | 5.420   |
| 4-3/16     | Z-4067L | 6.102    | 5.000    | 8.070   | 2.440   | 5.775   |
| 4-1/4      | Z-4068L | 6.102    | 5.000    | 8.070   | 2.440   | 5.775   |

### Deep Fractional Sizes Cont.

| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|----------|----------|----------|---------|---------|---------|
| 4-5/16     | Z-4069L  | 6.299    | 5.000    | 8.070   | 2.44    | 5.775   |
| 4-3/8      | Z-4070L  | 6.299    | 5.000    | 8.070   | 2.44    | 5.775   |
| 4-7/16     | Z-4071L  | 6.496    | 5.000    | 8.070   | 2.44    | 5.775   |
| 4-1/2      | Z-4072L  | 6.496    | 5.000    | 8.070   | 2.44    | 5.775   |
| 4-5/8      | Z-4074L  | 6.693    | 5.000    | 8.380   | 2.64    | 6.090   |
| 4-3/4      | Z-4076L  | 6.693    | 5.000    | 8.380   | 2.64    | 6.090   |
| 4-7/8      | Z-4078L  | 6.693    | 5.000    | 8.380   | 2.64    | 6.090   |
| 5          | Z-4080L  | 7.087    | 5.000    | 8.700   | 2.83    | 6.405   |
| 5-1/8      | Z-4082L  | 7.087    | 5.000    | 9.000   | 2.99    | 6.719   |
| 5-3/16     | Z-4083L  | 7.087    | 5.000    | 9.000   | 2.99    | 6.719   |
| 5-1/4      | Z-4084L  | 7.480    | 5.000    | 9.000   | 2.99    | 6.719   |
| 5-3/8      | Z-4086L  | 7.480    | 5.000    | 9.000   | 2.99    | 6.719   |
| 5-1/2      | Z-4088L  | 7.480    | 5.000    | 9.120   | 3.110   | 7.074   |
| 5-5/8      | Z-4090L  | 7.874    | 5.906    | 9.360   | 3.270   | 7.074   |
| 5-3/4      | Z-4092L  | 7.874    | 5.906    | 9.360   | 3.270   | 7.074   |
| 5-7/8      | Z-4094L  | 8.268    | 5.906    | 9.670   | 3.460   | 7.389   |
| 6          | Z-4096L  | 8.268    | 5.906    | 9.670   | 3.460   | 7.389   |
| 6-1/8      | Z-4098L  | 8.268    | 5.906    | 9.670   | 3.460   | 7.389   |
| 6-1/4      | Z-40100L | 8.661    | 5.906    | 9.820   | 3.580   | 7.546   |
| 6-3/8      | Z-40102L | 8.661    | 5.906    | 9.820   | 3.580   | 7.546   |
| 6-1/2      | Z-40104L | 9.055    | 6.890    | 10.140  | 3.700   | 8.019   |
| 6-5/8      | Z-40106L | 9.055    | 6.890    | 10.140  | 3.700   | 8.019   |
| 6-3/4      | Z-40108L | 9.055    | 6.890    | 10.300  | 3.900   | 8.019   |
| 6-7/8      | Z-40110L | 9.449    | 6.890    | 10.300  | 3.900   | 8.019   |
| 7          | Z-40112L | 9.449    | 6.890    | 10.600  | 4.090   | 8.334   |
| 7-1/8      | Z-40114L | 9.843    | 6.890    | 10.600  | 4.090   | 8.334   |
| 7-1/4      | Z-40116L | 9.843    | 6.890    | 10.600  | 4.090   | 8.334   |
| 7-3/8      | Z-40118L | 9.843    | 6.890    | 10.760  | 4.210   | 8.491   |
| 7-1/2      | Z-40120L | 10.236   | 6.890    | 10.760  | 4.210   | 8.491   |
| 7-5/8      | Z-40122L | 10.236   | 6.890    | 10.920  | 4.290   | 8.649   |
| 7-3/4      | Z-40124L | 10.630   | 6.890    | 10.070  | 4.410   | 8.806   |
| 7-13/16    | Z-40125L | 10.630   | 6.890    | 10.070  | 4.410   | 8.806   |
| 7-7/8      | Z-40126L | 10.630   | 6.890    | 10.070  | 4.410   | 8.806   |
| 8          | Z-40128L | 10.630   | 6.890    | 11.310  | 4.530   | 9.318   |
| 8-1/8      | Z-40130L | 11.024   | 6.890    | 11.310  | 4.530   | 9.318   |
| 8-1/4      | Z-40132L | 11.024   | 6.890    | 11.310  | 4.530   | 9.318   |
| 8-3/8      | Z-40134L | 11.417   | 6.890    | 11.580  | 4.720   | 9.318   |
| 8-1/2      | Z-40136L | 11.417   | 6.890    | 12.320  | 4.800   | 10.066  |
| 8-3/4      | Z-40140L | 11.811   | 6.890    | 12.320  | 4.880   | 10.066  |
| 8-7/8      | Z-40142L | 11.811   | 6.890    | 12.320  | 4.960   | 10.066  |
| 9          | Z-40144L | 12.205   | 6.890    | 12.320  | 5.040   | 10.066  |
| 9-1/8      | Z-40146L | 12.205   | 6.890    | 12.320  | 5.160   | 10.066  |
| 9-1/4      | Z-40148L | 12.205   | 6.890    | 12.980  | 5.240   | 11.798  |



# ATP 2-1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



### Standard Metric Sizes

| SIZE<br>mm | PART#    | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|----------|----------|----------|---------|---------|---------|
| 41         | Z-40M41  | 104      | 127      | 115     | 21.5    | 60      |
| 42         | Z-40M42  | 104      | 127      | 115     | 21.5    | 60      |
| 43         | Z-40M43  | 104      | 127      | 115     | 25      | 60      |
| 44         | Z-40M44  | 104      | 127      | 115     | 21.5    | 60      |
| 45         | Z-40M45  | 104      | 127      | 115     | 21.5    | 60      |
| 46         | Z-40M46  | 104      | 127      | 115     | 25.5    | 60      |
| 47         | Z-40M47  | 104      | 127      | 115     | 23.5    | 60      |
| 48         | Z-40M48  | 104      | 127      | 115     | 23.5    | 60      |
| 49         | Z-40M49  | 104      | 127      | 115     | 27      | 60      |
| 50         | Z-40M50  | 104      | 127      | 115     | 23.5    | 60      |
| 51         | Z-40M51  | 104      | 127      | 115     | 27      | 60      |
| 52         | Z-40M52  | 104      | 127      | 115     | 27      | 60      |
| 54         | Z-40M54  | 104      | 127      | 115     | 30      | 60      |
| 55         | Z-40M55  | 104      | 127      | 115     | 27      | 60      |
| 56         | Z-40M56  | 104      | 127      | 115     | 28      | 60      |
| 57         | Z-40M57  | 104      | 127      | 115     | 32.5    | 60      |
| 58         | Z-40M58  | 104      | 127      | 115     | 28      | 60      |
| 59         | Z-40M59  | 104      | 127      | 115     | 33      | 60      |
| 60         | Z-40M60  | 104      | 127      | 115     | 28      | 60      |
| 61         | Z-40M61  | 104      | 127      | 115     | 28      | 60      |
| 62         | Z-40M62  | 104      | 127      | 115     | 35      | 60      |
| 65         | Z-40M65  | 104      | 127      | 115     | 35      | 60      |
| 67         | Z-40M67  | 104      | 127      | 115     | 38      | 60      |
| 70         | Z-40M70  | 104      | 127      | 115     | 38      | 60      |
| 73         | Z-40M73  | 115      | 127      | 125     | 41      | 70      |
| 75         | Z-40M75  | 115      | 127      | 125     | 41      | 70      |
| 76         | Z-40M76  | 115      | 127      | 125     | 44      | 70      |
| 80         | Z-40M80  | 115      | 127      | 125     | 37      | 70      |
| 85         | Z-40M85  | 127      | 127      | 130     | 40      | 75      |
| 86         | Z-40M86  | 127      | 127      | 130     | 49      | 75      |
| 90         | Z-40M90  | 135      | 127      | 132     | 43      | 77      |
| 95         | Z-40M95  | 140      | 127      | 132     | 49      | 77      |
| 100        | Z-40M100 | 145      | 127      | 141     | 54      | 86      |
| 105        | Z-40M105 | 150      | 127      | 141     | 54      | 86      |
| 110        | Z-40M110 | 160      | 127      | 150     | 62      | 95      |
| 115        | Z-40M115 | 165      | 127      | 158     | 57      | 103     |
| 120        | Z-40M120 | 170      | 127      | 158     | 67      | 103     |
| 125        | Z-40M125 | 170      | 127      | 158     | 67      | 103     |
| 130        | Z-40M130 | 180      | 127      | 174     | 76      | 119     |
| 135        | Z-40M135 | 190      | 127      | 174     | 76      | 119     |
| 140        | Z-40M140 | 190      | 127      | 176     | 79      | 121     |
| 145        | Z-40M145 | 200      | 150      | 182     | 83      | 127     |
| 150        | Z-40M150 | 210      | 150      | 190     | 88      | 135     |
| 155        | Z-40M155 | 210      | 150      | 190     | 88      | 135     |
| 160        | Z-40M160 | 220      | 150      | 194     | 91      | 139     |
| 165        | Z-40M165 | 230      | 175      | 201     | 94      | 146     |
| 170        | Z-40M170 | 230      | 175      | 201     | 94      | 146     |
| 175        | Z-40M175 | 240      | 175      | 208     | 99      | 153     |
| 180        | Z-40M180 | 240      | 175      | 214     | 104     | 159     |
| 185        | Z-40M185 | 250      | 175      | 214     | 104     | 159     |
| 190        | Z-40M190 | 260      | 175      | 218     | 107     | 163     |
| 195        | Z-40M195 | 260      | 175      | 222     | 109     | 167     |
| 200        | Z-40M200 | 270      | 175      | 226     | 112     | 171     |
| 210        | Z-40M210 | 280      | 175      | 232     | 115     | 177     |
| 215        | Z-40M215 | 290      | 175      | 239     | 120     | 184     |
| 225        | Z-40M225 | 300      | 175      | 258     | 126     | 203     |
| 235        | Z-40M235 | 310      | 175      | 275     | 131     | 220     |

### Deep Metric Sizes

| SIZE<br>mm | PART#     | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|-----------|----------|----------|---------|---------|---------|
| 41         | Z-40M41L  | 104      | 127      | 192     | 21.5    | 132     |
| 42         | Z-40M42L  | 104      | 127      | 192     | 21.5    | 132     |
| 43         | Z-40M43L  | 104      | 127      | 192     | 25      | 132     |
| 44         | Z-40M44L  | 104      | 127      | 192     | 21.5    | 132     |
| 45         | Z-40M45L  | 104      | 127      | 192     | 21.5    | 132     |
| 46         | Z-40M46L  | 104      | 127      | 192     | 25.5    | 132     |
| 47         | Z-40M47L  | 104      | 127      | 192     | 23.5    | 132     |
| 48         | Z-40M48L  | 104      | 127      | 192     | 23.5    | 132     |
| 49         | Z-40M49L  | 104      | 127      | 192     | 27      | 132     |
| 50         | Z-40M50L  | 104      | 127      | 192     | 23.5    | 132     |
| 51         | Z-40M51L  | 104      | 127      | 192     | 27      | 132     |
| 52         | Z-40M52L  | 104      | 127      | 192     | 27      | 132     |
| 54         | Z-40M54L  | 104      | 127      | 192     | 30      | 132     |
| 55         | Z-40M55L  | 104      | 127      | 192     | 27      | 132     |
| 56         | Z-40M56L  | 104      | 127      | 192     | 28      | 132     |
| 57         | Z-40M57L  | 104      | 127      | 192     | 32.5    | 132     |
| 58         | Z-40M58L  | 104      | 127      | 192     | 28      | 132     |
| 59         | Z-40M59L  | 104      | 127      | 192     | 33      | 132     |
| 60         | Z-40M60L  | 104      | 127      | 192     | 28      | 132     |
| 61         | Z-40M61L  | 104      | 127      | 192     | 28      | 132     |
| 62         | Z-40M62L  | 104      | 127      | 192     | 35      | 132     |
| 65         | Z-40M65L  | 104      | 127      | 192     | 35      | 132     |
| 67         | Z-40M67L  | 104      | 127      | 192     | 38      | 132     |
| 70         | Z-40M70L  | 104      | 127      | 192     | 38      | 132     |
| 73         | Z-40M73L  | 115      | 127      | 192     | 41      | 132     |
| 75         | Z-40M75L  | 115      | 127      | 192     | 41      | 132     |
| 76         | Z-40M76L  | 115      | 127      | 192     | 44      | 132     |
| 80         | Z-40M80L  | 115      | 127      | 192     | 37      | 132     |
| 85         | Z-40M85L  | 127      | 127      | 192     | 40      | 132     |
| 86         | Z-40M86L  | 127      | 127      | 192     | 49      | 132     |
| 90         | Z-40M90L  | 135      | 127      | 192     | 43      | 132     |
| 95         | Z-40M95L  | 140      | 127      | 192     | 49      | 132     |
| 100        | Z-40M100L | 145      | 127      | 198     | 54      | 138     |
| 105        | Z-40M105L | 150      | 127      | 198     | 54      | 138     |
| 110        | Z-40M110L | 160      | 127      | 207     | 62      | 147     |
| 115        | Z-40M115L | 165      | 127      | 207     | 57      | 147     |
| 120        | Z-40M120L | 170      | 127      | 215     | 67      | 155     |
| 125        | Z-40M125L | 170      | 127      | 215     | 67      | 155     |
| 130        | Z-40M130L | 180      | 127      | 223     | 76      | 163     |
| 135        | Z-40M135L | 190      | 127      | 231     | 76      | 151     |
| 140        | Z-40M140L | 190      | 127      | 234     | 79      | 174     |
| 145        | Z-40M145L | 200      | 150      | 240     | 83      | 180     |
| 150        | Z-40M150L | 210      | 150      | 248     | 88      | 188     |
| 155        | Z-40M155L | 210      | 150      | 248     | 88      | 188     |
| 160        | Z-40M160L | 220      | 150      | 252     | 91      | 192     |
| 165        | Z-40M165L | 230      | 175      | 260     | 94      | 200     |
| 170        | Z-40M170L | 230      | 175      | 260     | 94      | 200     |
| 175        | Z-40M175L | 240      | 175      | 264     | 99      | 204     |
| 180        | Z-40M180L | 240      | 175      | 272     | 104     | 212     |
| 185        | Z-40M185L | 250      | 175      | 272     | 104     | 212     |
| 190        | Z-40M190L | 260      | 175      | 276     | 107     | 216     |
| 195        | Z-40M195L | 260      | 175      | 280     | 109     | 220     |
| 200        | Z-40M200L | 270      | 175      | 284     | 112     | 224     |
| 210        | Z-40M210L | 280      | 175      | 290     | 115     | 230     |
| 215        | Z-40M215L | 290      | 175      | 316     | 120     | 256     |
| 225        | Z-40M225L | 300      | 175      | 316     | 126     | 256     |
| 235        | Z-40M235L | 310      | 175      | 333     | 131     | 273     |

# ATP ATP 2-1/2" SQUARE DRIVE

## ACCESSORIES

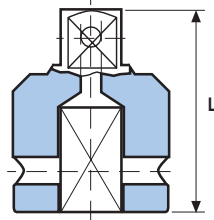


No one offers a broader line of 2-1/2" drive sockets than ATP for the heaviest bolting applications in construction, plant maintenance, power generation, shipbuilding and refining.

ATP sockets prove their value, they are used extensively in hydraulic bolting applications, and with large impact tools. ATP has a socket to exactly match your application. If not available from our standard product range, we'll custom design one for you (see page 78).

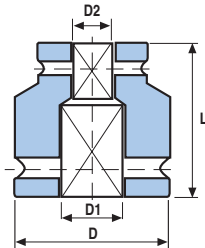
### Adapters

| PART# | FEMALE<br>in | MALE<br>in | L<br>in |
|-------|--------------|------------|---------|
| A4024 | 2-1/2        | 1-1/2      | 5.380   |
| A4056 | 2-1/2        | 3-1/2      | 5.538   |



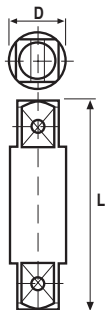
### Double Ended Female Adapters

| PART#  | D1<br>in | D2<br>in | L<br>in | D<br>in |
|--------|----------|----------|---------|---------|
| AN4024 | 2-1/2    | 1-1/2    | 4.53    | 5.00    |
| AN4040 | 2-1/2    | 2-1/2    | 4.61    | 5.00    |
| AN5640 | 3-1/2    | 2-1/2    | 6.34    | 6.89    |



### Double Ended Male Extensions

| PART# | D<br>in | L<br>in |
|-------|---------|---------|
| Z4005 | 3.31    | 5       |
| Z4006 | 3.31    | 6       |
| Z4008 | 3.31    | 8       |
| Z4010 | 3.31    | 10      |
| Z4015 | 3.31    | 15      |
| Z4020 | 3.31    | 20      |
| Z4026 | 3.31    | 26      |



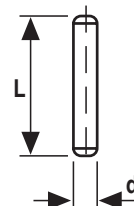
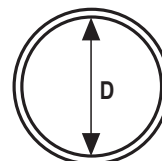
### Universal Joint

| SIZE<br>in | PART# |
|------------|-------|
| 2-1/2      | U4040 |



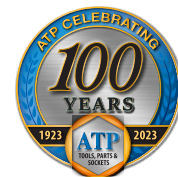
### Retaining Pins and Rings

| SQUARE<br>DRIVE | SOCKET<br>SIZES                       | PIN#   | RING#  | d<br>in | L<br>in | D<br>in |
|-----------------|---------------------------------------|--------|--------|---------|---------|---------|
| 2-1/2           | Up To 5-1/2" (140mm)                  | P40127 | R40127 | .312    | 4.290   | 4.446   |
| 2-1/2           | From 5-1/2" (140mm) To 6-3/8" (160mm) | P40150 | R40150 | .312    | 5.187   | 5.309   |
| 2-1/2           | Above 6-3/8" (160mm)                  | P40175 | R40175 | .312    | 6.162   | 6.318   |



# ATP 3-1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS

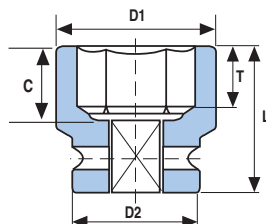


### Standard Fractional Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|---------|----------|----------|---------|---------|---------|
| 3-7/8      | Z-5662  | 6.890    | 6.890    | 6.435   | 2.125   | 3.371   |
| 3-15/16    | Z-5663  | 6.890    | 6.890    | 6.435   | 2.125   | 3.725   |
| 4          | Z-5664  | 6.890    | 6.890    | 6.435   | 2.125   | 3.725   |
| 4-1/16     | Z-5665  | 6.890    | 6.890    | 6.435   | 2.125   | 3.725   |
| 4-1/8      | Z-5666  | 6.890    | 6.890    | 6.435   | 2.125   | 3.725   |
| 4-3/16     | Z-5667  | 6.890    | 6.890    | 6.786   | 2.440   | 3.725   |
| 4-1/4      | Z-5668  | 6.890    | 6.890    | 6.786   | 2.440   | 3.725   |
| 4-5/16     | Z-5669  | 6.890    | 6.890    | 6.786   | 2.440   | 4.040   |
| 4-3/8      | Z-5670  | 6.890    | 6.890    | 6.786   | 2.440   | 4.040   |
| 4-7/16     | Z-5671  | 6.890    | 6.890    | 6.786   | 2.440   | 4.040   |
| 4-1/2      | Z-5672  | 6.890    | 6.890    | 6.786   | 2.440   | 4.040   |
| 4-5/8      | Z-5674  | 6.890    | 6.890    | 7.100   | 2.640   | 4.040   |
| 4-3/4      | Z-5676  | 6.890    | 6.890    | 7.100   | 2.640   | 4.355   |
| 4-7/8      | Z-5678  | 6.890    | 6.890    | 7.100   | 2.640   | 4.355   |
| 5          | Z-5680  | 7.480    | 6.890    | 7.722   | 2.830   | 4.355   |
| 5-1/8      | Z-5682  | 7.480    | 6.890    | 7.722   | 3.000   | 4.355   |
| 5-3/16     | Z-5683  | 7.480    | 6.890    | 7.722   | 3.000   | 4.670   |
| 5-1/4      | Z-5684  | 7.480    | 6.890    | 7.722   | 3.000   | 4.670   |
| 5-3/8      | Z-5686  | 7.874    | 6.890    | 7.722   | 3.000   | 4.670   |
| 5-1/2      | Z-5688  | 7.874    | 6.890    | 8.000   | 3.110   | 5.300   |
| 5-5/8      | Z-5690  | 8.268    | 6.890    | 8.270   | 3.270   | 5.300   |
| 5-3/4      | Z-5692  | 8.268    | 6.890    | 8.270   | 3.270   | 5.300   |
| 5-7/8      | Z-5694  | 8.268    | 6.890    | 8.270   | 3.460   | 5.300   |
| 6          | Z-5696  | 8.661    | 6.890    | 8.350   | 3.460   | 5.300   |
| 6-1/8      | Z-5698  | 8.661    | 6.890    | 8.350   | 3.460   | 5.300   |
| 6-1/4      | Z-56100 | 9.055    | 6.890    | 8.500   | 3.580   | 5.458   |
| 6-3/8      | Z-56102 | 9.055    | 6.890    | 8.500   | 3.580   | 5.458   |
| 6-1/2      | Z-56104 | 9.055    | 6.890    | 8.970   | 3.700   | 5.930   |
| 6-5/8      | Z-56106 | 9.449    | 6.890    | 8.970   | 3.700   | 5.930   |
| 6-3/4      | Z-56108 | 9.449    | 6.890    | 8.970   | 3.900   | 5.930   |
| 6-7/8      | Z-56110 | 9.843    | 6.890    | 8.970   | 3.900   | 5.930   |
| 7          | Z-56112 | 9.843    | 6.890    | 9.250   | 4.090   | 6.206   |
| 7-1/8      | Z-56114 | 9.843    | 6.890    | 9.250   | 4.090   | 6.206   |
| 7-1/4      | Z-56116 | 10.236   | 6.890    | 9.250   | 4.090   | 6.206   |
| 7-3/8      | Z-56118 | 10.236   | 6.890    | 9.438   | 4.210   | 6.363   |
| 7-1/2      | Z-56120 | 10.630   | 6.890    | 9.438   | 4.210   | 6.363   |
| 7-5/8      | Z-56122 | 10.630   | 6.890    | 9.600   | 4.290   | 6.521   |
| 7-3/4      | Z-56124 | 10.630   | 6.890    | 9.710   | 4.410   | 6.678   |
| 7-13/16    | Z-56125 | 11.024   | 6.890    | 9.710   | 4.410   | 6.678   |
| 7-7/8      | Z-56126 | 11.024   | 6.890    | 9.710   | 4.410   | 6.678   |
| 8          | Z-56128 | 11.024   | 6.890    | 10.000  | 4.530   | 7.229   |
| 8-1/8      | Z-56130 | 11.417   | 6.890    | 10.000  | 4.530   | 7.229   |
| 8-1/4      | Z-56132 | 11.417   | 6.890    | 10.000  | 4.530   | 7.229   |
| 8-3/8      | Z-56134 | 11.417   | 6.890    | 10.250  | 4.720   | 7.229   |
| 8-1/2      | Z-56136 | 11.811   | 6.890    | 10.410  | 4.800   | 7.859   |
| 8-3/4      | Z-56140 | 12.205   | 6.890    | 10.530  | 4.880   | 7.859   |
| 8-7/8      | Z-56142 | 12.205   | 6.890    | 10.640  | 4.960   | 7.859   |
| 9          | Z-56144 | 12.205   | 6.890    | 10.760  | 5.040   | 7.859   |
| 9-1/8      | Z-56146 | 12.598   | 6.890    | 10.880  | 5.160   | 7.859   |
| 9-1/4      | Z-56148 | 12.598   | 6.890    | 11.110  | 5.240   | 9.198   |

### Deep Fractional Sizes

| SIZE<br>in | PART#    | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|----------|----------|----------|---------|---------|---------|
| 3-7/8      | Z-5662L  | 6.890    | 6.890    | 10.800  | 2.125   | 7.781   |
| 3-15/16    | Z-5663L  | 6.890    | 6.890    | 10.800  | 2.125   | 7.781   |
| 4          | Z-5664L  | 6.890    | 6.890    | 10.800  | 2.125   | 7.781   |
| 4-1/16     | Z-5665L  | 6.890    | 6.890    | 10.800  | 2.125   | 7.781   |
| 4-1/8      | Z-5666L  | 6.890    | 6.890    | 10.800  | 2.125   | 7.781   |
| 4-3/16     | Z-5667L  | 6.890    | 6.890    | 10.800  | 2.440   | 7.781   |
| 4-1/4      | Z-5668L  | 6.890    | 6.890    | 10.800  | 2.440   | 7.781   |
| 4-5/16     | Z-5669L  | 6.890    | 6.890    | 10.800  | 2.440   | 7.781   |
| 4-3/8      | Z-5670L  | 6.890    | 6.890    | 10.800  | 2.440   | 7.781   |
| 4-7/16     | Z-5671L  | 6.890    | 6.890    | 10.800  | 2.440   | 7.781   |
| 4-1/2      | Z-5672L  | 6.890    | 6.890    | 10.800  | 2.440   | 7.781   |
| 4-5/8      | Z-5674L  | 6.890    | 6.890    | 10.800  | 2.640   | 7.781   |
| 4-3/4      | Z-5676L  | 6.890    | 6.890    | 10.800  | 2.640   | 7.781   |
| 4-7/8      | Z-5678L  | 6.890    | 6.890    | 10.800  | 2.640   | 7.781   |
| 5          | Z-5680L  | 7.480    | 6.890    | 10.800  | 2.830   | 7.781   |
| 5-1/8      | Z-5682L  | 7.480    | 6.890    | 10.920  | 3.000   | 7.781   |
| 5-3/16     | Z-5683L  | 7.480    | 6.890    | 10.920  | 3.000   | 7.899   |
| 5-1/4      | Z-5684L  | 7.480    | 6.890    | 10.920  | 3.000   | 7.899   |
| 5-3/8      | Z-5686L  | 7.874    | 6.890    | 10.920  | 3.000   | 7.899   |
| 5-1/2      | Z-5688L  | 7.874    | 6.890    | 11.230  | 3.110   | 8.568   |
| 5-5/8      | Z-5690L  | 8.268    | 6.890    | 11.500  | 3.270   | 8.568   |
| 5-3/4      | Z-5692L  | 8.268    | 6.890    | 11.500  | 3.270   | 8.568   |
| 5-7/8      | Z-5694L  | 8.268    | 6.890    | 11.500  | 3.460   | 8.568   |
| 6          | Z-5696L  | 8.661    | 6.890    | 11.580  | 3.460   | 8.568   |
| 6-1/8      | Z-5698L  | 8.661    | 6.890    | 11.580  | 3.460   | 8.568   |
| 6-1/4      | Z-56100L | 9.055    | 6.890    | 11.740  | 3.580   | 8.725   |
| 6-3/8      | Z-56102L | 9.055    | 6.890    | 11.740  | 3.580   | 8.725   |
| 6-1/2      | Z-56104L | 9.055    | 6.890    | 12.220  | 3.700   | 9.198   |
| 6-5/8      | Z-56106L | 9.449    | 6.890    | 12.220  | 3.700   | 9.198   |
| 6-3/4      | Z-56108L | 9.449    | 6.890    | 12.220  | 3.900   | 9.198   |
| 6-7/8      | Z-56110L | 9.843    | 6.890    | 12.220  | 3.900   | 9.198   |
| 7          | Z-56112L | 9.843    | 6.890    | 12.480  | 4.090   | 9.473   |
| 7-1/8      | Z-56114L | 9.843    | 6.890    | 12.480  | 4.090   | 9.473   |
| 7-1/4      | Z-56116L | 10.236   | 6.890    | 12.480  | 4.090   | 9.473   |
| 7-3/8      | Z-56118L | 10.236   | 6.890    | 12.630  | 4.210   | 9.631   |
| 7-1/2      | Z-56120L | 10.630   | 6.890    | 12.630  | 4.210   | 9.631   |
| 7-5/8      | Z-56122L | 10.630   | 6.890    | 12.800  | 4.290   | 9.788   |
| 7-3/4      | Z-56124L | 10.630   | 6.890    | 12.950  | 4.410   | 9.946   |
| 7-13/16    | Z-56125L | 11.024   | 6.890    | 12.950  | 4.410   | 9.946   |
| 7-7/8      | Z-56126L | 11.024   | 6.890    | 12.950  | 4.410   | 9.946   |
| 8          | Z-56128L | 11.024   | 6.890    | 13.220  | 4.530   | 10.497  |
| 8-1/8      | Z-56130L | 11.417   | 6.890    | 13.220  | 4.530   | 10.497  |
| 8-1/4      | Z-56132L | 11.417   | 6.890    | 13.220  | 4.530   | 10.497  |
| 8-3/8      | Z-56134L | 11.417   | 6.890    | 13.500  | 4.720   | 10.497  |
| 8-1/2      | Z-56136L | 11.811   | 6.890    | 13.650  | 4.800   | 11.127  |
| 8-3/4      | Z-56140L | 12.205   | 6.890    | 13.800  | 4.880   | 11.127  |
| 8-7/8      | Z-56142L | 12.205   | 6.890    | 13.920  | 4.960   | 11.127  |
| 9          | Z-56144L | 12.205   | 6.890    | 14.000  | 5.040   | 11.127  |
| 9-1/8      | Z-56146L | 12.598   | 6.890    | 14.110  | 5.160   | 11.127  |
| 9-1/4      | Z-56148L | 12.598   | 6.890    | 14.430  | 5.240   | 12.426  |



# ATP 3-1/2" SQUARE DRIVE

## SIX POINT IMPACT SOCKETS



### Standard Metric Sizes

| SIZE<br>mm | PART#    | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|----------|----------|----------|---------|---------|---------|
| 100        | Z-56M100 | 175      | 175      | 165     | 54      | 95      |
| 105        | Z-56M105 | 175      | 175      | 165     | 54      | 94      |
| 110        | Z-56M110 | 175      | 175      | 174     | 62      | 103     |
| 115        | Z-56M115 | 175      | 175      | 174     | 57      | 103     |
| 120        | Z-56M120 | 175      | 175      | 182     | 67      | 111     |
| 125        | Z-56M125 | 175      | 175      | 182     | 67      | 111     |
| 130        | Z-56M130 | 190      | 175      | 198     | 76      | 111     |
| 135        | Z-56M135 | 190      | 175      | 198     | 76      | 119     |
| 140        | Z-56M140 | 200      | 175      | 205     | 79      | 135     |
| 145        | Z-56M145 | 210      | 175      | 212     | 83      | 135     |
| 150        | Z-56M150 | 210      | 175      | 212     | 88      | 135     |
| 155        | Z-56M155 | 220      | 175      | 214     | 88      | 135     |
| 160        | Z-56M160 | 220      | 175      | 218     | 91      | 139     |
| 165        | Z-56M165 | 230      | 175      | 230     | 94      | 151     |
| 170        | Z-56M170 | 240      | 175      | 230     | 94      | 151     |
| 175        | Z-56M175 | 250      | 175      | 230     | 99      | 151     |
| 180        | Z-56M180 | 250      | 175      | 237     | 104     | 158     |
| 185        | Z-56M185 | 260      | 175      | 237     | 104     | 158     |
| 190        | Z-56M190 | 260      | 175      | 242     | 107     | 162     |
| 195        | Z-56M195 | 270      | 175      | 246     | 109     | 166     |
| 200        | Z-56M200 | 280      | 175      | 249     | 112     | 170     |
| 210        | Z-56M210 | 290      | 175      | 256     | 115     | 184     |
| 215        | Z-56M215 | 300      | 175      | 263     | 120     | 220     |
| 225        | Z-56M225 | 310      | 175      | 273     | 126     | 200     |
| 230        | Z-56M230 | 310      | 175      | 276     | 128     | 200     |
| 235        | Z-56M235 | 320      | 175      | 279     | 131     | 200     |

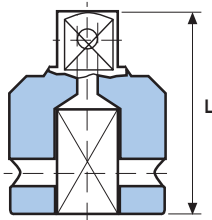
### Deep Metric Sizes

| SIZE<br>mm | PART#     | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|-----------|----------|----------|---------|---------|---------|
| 100        | Z-56M100L | 175      | 175      | 277     | 54      | 198     |
| 105        | Z-56M105L | 175      | 175      | 277     | 54      | 198     |
| 110        | Z-56M110L | 175      | 175      | 277     | 62      | 198     |
| 115        | Z-56M115L | 175      | 175      | 277     | 57      | 198     |
| 120        | Z-56M120L | 175      | 175      | 277     | 67      | 198     |
| 125        | Z-56M125L | 175      | 175      | 277     | 67      | 198     |
| 130        | Z-56M130L | 190      | 175      | 280     | 76      | 198     |
| 135        | Z-56M135L | 190      | 175      | 280     | 76      | 201     |
| 140        | Z-56M140L | 200      | 175      | 288     | 79      | 218     |
| 145        | Z-56M145L | 210      | 175      | 295     | 83      | 218     |
| 150        | Z-56M150L | 210      | 175      | 295     | 88      | 218     |
| 155        | Z-56M155L | 220      | 175      | 297     | 88      | 218     |
| 160        | Z-56M160L | 220      | 175      | 301     | 91      | 222     |
| 165        | Z-56M165L | 230      | 175      | 313     | 94      | 234     |
| 170        | Z-56M170L | 240      | 175      | 313     | 94      | 234     |
| 175        | Z-56M175L | 250      | 175      | 313     | 99      | 234     |
| 180        | Z-56M180L | 250      | 175      | 320     | 104     | 241     |
| 185        | Z-56M185L | 260      | 175      | 320     | 104     | 241     |
| 190        | Z-56M190L | 260      | 175      | 324     | 107     | 245     |
| 195        | Z-56M195L | 270      | 175      | 328     | 109     | 249     |
| 200        | Z-56M200L | 280      | 175      | 332     | 112     | 253     |
| 210        | Z-56M210L | 290      | 175      | 339     | 115     | 267     |
| 215        | Z-56M215L | 300      | 175      | 346     | 120     | 283     |
| 225        | Z-56M225L | 310      | 175      | 357     | 126     | 283     |
| 230        | Z-56M230L | 310      | 175      | 359     | 128     | 283     |
| 235        | Z-56M235L | 320      | 175      | 362     | 131     | 283     |

## ACCESSORIES

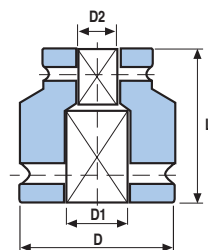
### Adapters

| PART# | FEMALE<br>in | MALE<br>in | L<br>in |
|-------|--------------|------------|---------|
| A5640 | 3-1/2        | 2-1/2      | 7.137   |



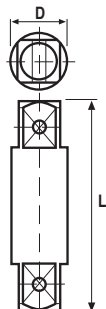
### Double Ended Female Adapters

| PART#  | D1<br>in | D2<br>in | L<br>in | D<br>in |
|--------|----------|----------|---------|---------|
| AN5640 | 3-1/2    | 2-1/2    | 6.34    | 6.89    |
| AN5656 | 3-1/2    | 3-1/2    | 6.57    | 6.89    |



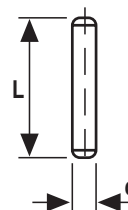
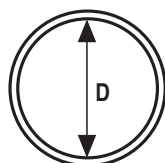
### Double Ended Male Extensions

| PART# | D<br>in | L<br>in |
|-------|---------|---------|
| Z5610 | 4.685   | 10      |
| Z5620 | 4.685   | 20      |
| Z5640 | 4.685   | 40      |



### Retaining Pins and Rings

| SQUARE<br>DRIVE | SOCKET<br>SIZES | PIN#   | RING#  | d<br>in | L<br>in | D<br>in |
|-----------------|-----------------|--------|--------|---------|---------|---------|
| 3-1/2           | All Sizes       | P56175 | R56175 | 0.39    | 6.24    | 6.24    |



# ATP #5 SPLINE DRIVE

## SIX POINT IMPACT SOCKETS

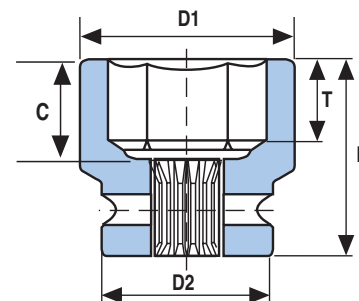


### Standard Fractional Sizes

| SIZE<br>in | PART#  | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|--------|----------|----------|---------|---------|---------|
| 3/4        | Z-9512 | 1.890    | 2.362    | 2.730   | .374    | 1.006   |
| 13/16      | Z-9513 | 1.890    | 2.362    | 2.730   | .435    | 1.006   |
| 7/8        | Z-9514 | 1.890    | 2.362    | 2.730   | .512    | 1.006   |
| 15/16      | Z-9515 | 1.890    | 2.362    | 2.730   | .512    | 1.006   |
| 1          | Z-9516 | 1.929    | 2.362    | 2.730   | .512    | 1.006   |
| 1-1/16     | Z-9517 | 2.008    | 2.362    | 2.730   | .512    | 1.006   |
| 1-1/8      | Z-9518 | 2.008    | 2.362    | 2.730   | .650    | 1.006   |
| 1-3/16     | Z-9519 | 2.126    | 2.362    | 2.730   | .650    | 1.006   |
| 1-1/4      | Z-9520 | 2.362    | 2.362    | 2.925   | .669    | 1.203   |
| 1-5/16     | Z-9521 | 2.362    | 2.362    | 3.000   | .748    | 1.281   |
| 1-3/8      | Z-9522 | 2.362    | 2.362    | 3.000   | .748    | 1.281   |
| 1-7/16     | Z-9523 | 2.480    | 2.362    | 3.000   | .748    | 1.281   |
| 1-1/2      | Z-9524 | 2.480    | 2.362    | 3.125   | .866    | 1.400   |
| 1-9/16     | Z-9525 | 2.638    | 2.362    | 3.125   | .866    | 1.400   |
| 1-5/8      | Z-9526 | 2.638    | 2.362    | 3.125   | .866    | 1.400   |
| 1-11/16    | Z-9527 | 2.638    | 2.362    | 3.275   | .984    | 1.557   |
| 1-3/4      | Z-9528 | 2.874    | 2.362    | 3.275   | 1.000   | 1.557   |
| 1-13/16    | Z-9529 | 2.874    | 2.362    | 3.275   | 1.000   | 1.577   |
| 1-7/8      | Z-9530 | 2.874    | 2.362    | 3.432   | 1.063   | 1.715   |
| 1-15/16    | Z-9531 | 2.874    | 2.362    | 3.432   | 1.063   | 1.715   |
| 2          | Z-9532 | 3.228    | 2.362    | 3.432   | 1.063   | 1.715   |
| 2-1/16     | Z-9533 | 3.228    | 3.386    | 3.625   | 1.181   | 1.911   |
| 2-1/8      | Z-9534 | 3.228    | 3.386    | 3.625   | 1.181   | 1.911   |
| 2-3/16     | Z-9535 | 3.228    | 3.386    | 3.740   | 1.260   | 2.030   |
| 2-1/4      | Z-9536 | 3.465    | 3.386    | 3.740   | 1.299   | 2.030   |
| 2-5/16     | Z-9537 | 3.465    | 3.386    | 3.740   | 1.299   | 2.030   |
| 2-3/8      | Z-9538 | 3.465    | 3.386    | 3.822   | 1.378   | 2.108   |
| 2-7/16     | Z-9539 | 3.465    | 3.386    | 3.900   | 1.378   | 2.108   |
| 2-1/2      | Z-9540 | 3.937    | 3.386    | 3.900   | 1.378   | 2.108   |
| 2-9/16     | Z-9541 | 3.937    | 3.386    | 3.900   | 1.378   | 2.108   |
| 2-5/8      | Z-9542 | 3.937    | 3.386    | 3.978   | 1.496   | 2.266   |
| 2-11/16    | Z-9543 | 3.937    | 3.386    | 3.978   | 1.496   | 2.266   |
| 2-3/4      | Z-9544 | 3.937    | 3.386    | 3.978   | 1.496   | 2.266   |
| 2-13/16    | Z-9545 | 4.134    | 3.386    | 4.210   | 1.575   | 2.502   |
| 2-7/8      | Z-9546 | 4.134    | 3.386    | 4.210   | 1.614   | 2.502   |
| 2-15/16    | Z-9547 | 4.134    | 3.386    | 4.210   | 1.614   | 2.502   |
| 3          | Z-9548 | 4.291    | 3.386    | 4.446   | 1.732   | 2.738   |
| 3-1/16     | Z-9549 | 4.291    | 3.386    | 4.446   | 1.732   | 2.738   |
| 3-1/8      | Z-9550 | 4.291    | 3.386    | 4.446   | 1.732   | 2.738   |
| 3-1/4      | Z-9552 | 5.062    | 3.386    | 4.909   | 2.106   | 2.781   |
| 3-5/16     | Z-9553 | 5.062    | 3.386    | 4.909   | 2.106   | 2.781   |
| 3-3/8      | Z-9554 | 5.062    | 3.386    | 4.909   | 2.106   | 2.781   |
| 3-1/2      | Z-9556 | 5.129    | 3.386    | 4.909   | 2.106   | 2.781   |
| 3-5/8      | Z-9558 | 5.256    | 3.386    | 4.909   | 2.106   | 2.781   |
| 3-3/4      | Z-9560 | 5.309    | 3.386    | 4.909   | 2.106   | 2.781   |
| 3-7/8      | Z-9562 | 5.442    | 3.386    | 4.909   | 2.106   | 2.781   |
| 4          | Z-9564 | 5.511    | 3.386    | 4.909   | 2.106   | 2.781   |

### Deep Fractional Sizes

| SIZE<br>in | PART#   | D1<br>in | D2<br>in | L<br>in | T<br>in | C<br>in |
|------------|---------|----------|----------|---------|---------|---------|
| 3/4        | Z-9512L | 1.890    | 2.362    | 6.240   | .374    | 4.549   |
| 13/16      | Z-9513L | 1.890    | 2.362    | 6.240   | .435    | 4.549   |
| 7/8        | Z-9514L | 1.890    | 2.362    | 6.240   | .512    | 4.549   |
| 15/16      | Z-9515L | 1.890    | 2.362    | 6.240   | .512    | 4.549   |
| 1          | Z-9516L | 1.929    | 2.362    | 6.240   | .512    | 4.549   |
| 1-1/16     | Z-9517L | 2.008    | 2.362    | 6.240   | .512    | 4.549   |
| 1-1/8      | Z-9518L | 2.008    | 2.362    | 6.240   | .650    | 4.549   |
| 1-3/16     | Z-9519L | 2.126    | 2.362    | 6.240   | .650    | 4.549   |
| 1-1/4      | Z-9520L | 2.362    | 2.362    | 6.240   | .669    | 4.549   |
| 1-5/16     | Z-9521L | 2.362    | 2.362    | 6.240   | .748    | 4.549   |
| 1-3/8      | Z-9522L | 2.362    | 2.362    | 6.240   | .748    | 4.549   |
| 1-7/16     | Z-9523L | 2.480    | 2.362    | 6.240   | .748    | 4.549   |
| 1-1/2      | Z-9524L | 2.480    | 2.362    | 6.240   | .866    | 4.549   |
| 1-9/16     | Z-9525L | 2.638    | 2.362    | 6.240   | .866    | 4.549   |
| 1-5/8      | Z-9526L | 2.638    | 2.362    | 6.240   | .866    | 4.549   |
| 1-11/16    | Z-9527L | 2.638    | 2.362    | 6.240   | .984    | 4.549   |
| 1-3/4      | Z-9528L | 2.874    | 2.362    | 6.240   | 1.000   | 4.549   |
| 1-13/16    | Z-9529L | 2.874    | 2.362    | 6.240   | 1.000   | 4.549   |
| 1-7/8      | Z-9530L | 2.874    | 2.362    | 6.240   | 1.063   | 4.549   |
| 1-15/16    | Z-9531L | 2.874    | 2.362    | 6.240   | 1.063   | 4.549   |
| 2          | Z-9532L | 3.228    | 2.362    | 6.240   | 1.063   | 4.549   |
| 2-1/16     | Z-9533L | 3.228    | 3.386    | 6.240   | 1.181   | 4.549   |
| 2-1/8      | Z-9534L | 3.228    | 3.386    | 6.240   | 1.181   | 4.549   |
| 2-3/16     | Z-9535L | 3.228    | 3.386    | 6.240   | 1.260   | 4.549   |
| 2-1/4      | Z-9536L | 3.465    | 3.386    | 6.240   | 1.299   | 4.549   |
| 2-5/16     | Z-9537L | 3.465    | 3.386    | 6.240   | 1.299   | 4.549   |
| 2-3/8      | Z-9538L | 3.465    | 3.386    | 6.240   | 1.373   | 4.549   |
| 2-7/16     | Z-9539L | 3.465    | 3.386    | 6.240   | 1.378   | 4.549   |
| 2-1/2      | Z-9540L | 3.937    | 3.386    | 6.240   | 1.378   | 4.549   |
| 2-9/16     | Z-9541L | 3.937    | 3.386    | 6.240   | 1.378   | 4.549   |
| 2-5/8      | Z-9542L | 3.937    | 3.386    | 6.240   | 1.496   | 4.549   |
| 2-11/16    | Z-9543L | 3.937    | 3.386    | 6.240   | 1.496   | 4.549   |
| 2-3/4      | Z-9544L | 3.937    | 3.386    | 6.240   | 1.496   | 4.549   |
| 2-13/16    | Z-9545L | 4.134    | 3.386    | 6.240   | 1.575   | 4.549   |
| 2-7/8      | Z-9546L | 4.134    | 3.386    | 6.240   | 1.614   | 4.549   |
| 2-15/16    | Z-9547L | 4.134    | 3.386    | 6.240   | 1.614   | 4.549   |
| 3          | Z-9548L | 4.291    | 3.386    | 6.240   | 1.732   | 4.628   |
| 3-1/16     | Z-9549L | 4.291    | 3.386    | 6.310   | 1.732   | 4.628   |
| 3-1/8      | Z-9550L | 4.291    | 3.386    | 6.310   | 1.732   | 4.628   |



### Standard Metric Sizes

| SIZE<br>mm | PART#   | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|---------|----------|----------|---------|---------|---------|
| 19         | Z-95M19 | 48       | 60       | 70      | .374    | 26      |
| 20         | Z-95M20 | 48       | 60       | 70      | .394    | 26      |
| 21         | Z-95M21 | 48       | 60       | 70      | .394    | 26      |
| 22         | Z-95M22 | 48       | 60       | 70      | .394    | 26      |
| 23         | Z-95M23 | 48       | 60       | 70      | .472    | 26      |
| 24         | Z-95M24 | 49       | 60       | 70      | .472    | 26      |
| 25         | Z-95M25 | 49       | 60       | 70      | .512    | 26      |
| 26         | Z-95M26 | 51       | 60       | 70      | .512    | 26      |
| 27         | Z-95M27 | 51       | 60       | 70      | .512    | 26      |
| 28         | Z-95M28 | 51       | 60       | 70      | .551    | 26      |
| 29         | Z-95M29 | 54       | 60       | 70      | .551    | 26      |
| 30         | Z-95M30 | 54       | 60       | 70      | .650    | 26      |
| 31         | Z-95M31 | 60       | 60       | 75      | .650    | 31      |
| 32         | Z-95M32 | 60       | 60       | 75      | .650    | 31      |
| 33         | Z-95M33 | 60       | 60       | 75      | .669    | 31      |
| 34         | Z-95M34 | 60       | 60       | 77      | .669    | 33      |
| 35         | Z-95M35 | 60       | 60       | 77      | .748    | 33      |
| 36         | Z-95M36 | 63       | 60       | 77      | .748    | 33      |
| 37         | Z-95M37 | 63       | 60       | 77      | .748    | 33      |
| 38         | Z-95M38 | 63       | 60       | 80      | .866    | 36      |
| 39         | Z-95M39 | 67       | 60       | 80      | .866    | 36      |
| 40         | Z-95M40 | 67       | 60       | 80      | .866    | 36      |
| 41         | Z-95M41 | 67       | 60       | 80      | .866    | 36      |
| 42         | Z-95M42 | 67       | 60       | 80      | .846    | 36      |
| 43         | Z-95M43 | 67       | 60       | 84      | .984    | 40      |
| 44         | Z-95M44 | 73       | 60       | 84      | .846    | 40      |
| 45         | Z-95M45 | 73       | 60       | 84      | .846    | 40      |
| 46         | Z-95M46 | 73       | 60       | 84      | 1.004   | 40      |
| 47         | Z-95M47 | 73       | 60       | 84      | .925    | 40      |
| 48         | Z-95M48 | 73       | 60       | 88      | .925    | 44      |
| 49         | Z-95M49 | 73       | 60       | 88      | 1.063   | 44      |
| 50         | Z-95M50 | 82       | 60       | 88      | .925    | 44      |
| 51         | Z-95M51 | 82       | 60       | 88      | 1.063   | 44      |
| 52         | Z-95M52 | 82       | 60       | 88      | 1.063   | 44      |
| 54         | Z-95M54 | 82       | 60       | 93      | 1.181   | 49      |
| 55         | Z-95M55 | 82       | 60       | 93      | 1.063   | 49      |
| 56         | Z-95M56 | 88       | 86       | 96      | 1.102   | 52      |
| 57         | Z-95M57 | 88       | 76       | 96      | 1.299   | 52      |
| 58         | Z-95M58 | 88       | 86       | 96      | 1.102   | 52      |
| 59         | Z-95M59 | 88       | 86       | 96      | 1.299   | 52      |
| 60         | Z-95M60 | 88       | 86       | 96      | 1.102   | 52      |
| 61         | Z-95M61 | 88       | 86       | 98      | 1.102   | 54      |
| 62         | Z-95M62 | 88       | 86       | 100     | 1.378   | 56      |
| 65         | Z-95M65 | 100      | 86       | 100     | 1.378   | 56      |
| 67         | Z-95M67 | 100      | 86       | 102     | 1.496   | 58      |
| 70         | Z-95M70 | 100      | 86       | 102     | 1.496   | 58      |
| 73         | Z-95M73 | 105      | 86       | 108     | 1.614   | 64      |
| 75         | Z-95M75 | 105      | 86       | 108     | 1.614   | 64      |
| 76         | Z-95M76 | 109      | 86       | 114     | 1.732   | 70      |
| 80         | Z-95M80 | 115      | 86       | 114     | 1.457   | 70      |

### Deep Metric Sizes

| SIZE<br>mm | PART#    | D1<br>mm | D2<br>mm | L<br>mm | T<br>mm | C<br>mm |
|------------|----------|----------|----------|---------|---------|---------|
| 19         | Z-95M19L | 48       | 60       | 160     | .374    | 116     |
| 20         | Z-95M20L | 48       | 60       | 160     | .394    | 116     |
| 21         | Z-95M21L | 48       | 60       | 160     | .394    | 116     |
| 22         | Z-95M22L | 48       | 60       | 160     | .394    | 116     |
| 23         | Z-95M23L | 48       | 60       | 160     | .472    | 116     |
| 24         | Z-95M24L | 49       | 60       | 160     | .472    | 116     |
| 25         | Z-95M25L | 49       | 60       | 160     | .512    | 116     |
| 26         | Z-95M26L | 51       | 60       | 160     | .512    | 116     |
| 27         | Z-95M27L | 51       | 60       | 160     | .512    | 116     |
| 28         | Z-95M28L | 51       | 60       | 160     | .551    | 116     |
| 29         | Z-95M29L | 54       | 60       | 160     | .551    | 116     |
| 30         | Z-95M30L | 54       | 60       | 160     | .650    | 116     |
| 31         | Z-95M31L | 60       | 60       | 160     | .650    | 116     |
| 32         | Z-95M32L | 60       | 60       | 160     | .650    | 116     |
| 33         | Z-95M33L | 60       | 60       | 160     | .669    | 116     |
| 34         | Z-95M34L | 60       | 60       | 160     | .669    | 116     |
| 35         | Z-95M35L | 60       | 60       | 160     | .748    | 116     |
| 36         | Z-95M36L | 63       | 60       | 160     | .748    | 116     |
| 37         | Z-95M37L | 63       | 60       | 160     | .748    | 116     |
| 38         | Z-95M38L | 63       | 60       | 160     | .866    | 116     |
| 39         | Z-95M39L | 67       | 60       | 160     | .866    | 116     |
| 40         | Z-95M40L | 67       | 60       | 160     | .866    | 116     |
| 41         | Z-95M41L | 67       | 60       | 160     | .866    | 116     |
| 42         | Z-95M42L | 67       | 60       | 160     | .846    | 116     |
| 43         | Z-95M43L | 67       | 60       | 160     | .984    | 116     |
| 44         | Z-95M44L | 73       | 60       | 160     | .846    | 116     |
| 45         | Z-95M45L | 73       | 60       | 160     | .846    | 116     |
| 46         | Z-95M46L | 73       | 60       | 160     | 1.004   | 116     |
| 47         | Z-95M47L | 73       | 60       | 160     | .925    | 116     |
| 48         | Z-95M48L | 73       | 60       | 160     | .925    | 116     |
| 49         | Z-95M49L | 73       | 60       | 160     | 1.063   | 116     |
| 50         | Z-95M50L | 82       | 60       | 160     | .925    | 116     |
| 51         | Z-95M51L | 82       | 60       | 160     | 1.063   | 116     |
| 52         | Z-95M52L | 82       | 60       | 160     | 1.063   | 116     |
| 54         | Z-95M54L | 82       | 60       | 160     | 1.181   | 116     |
| 55         | Z-95M55L | 82       | 60       | 160     | 1.063   | 116     |
| 56         | Z-95M56L | 88       | 86       | 160     | 1.102   | 116     |
| 57         | Z-95M57L | 88       | 76       | 160     | 1.299   | 116     |
| 58         | Z-95M58L | 88       | 86       | 160     | 1.102   | 116     |
| 59         | Z-95M59L | 88       | 86       | 160     | 1.299   | 116     |
| 60         | Z-95M60L | 88       | 86       | 160     | 1.102   | 116     |
| 61         | Z-95M61L | 88       | 86       | 160     | 1.102   | 116     |
| 62         | Z-95M62L | 88       | 86       | 160     | 1.378   | 116     |
| 65         | Z-95M65L | 100      | 86       | 160     | 1.378   | 116     |
| 67         | Z-95M67L | 100      | 86       | 160     | 1.496   | 116     |
| 70         | Z-95M70L | 100      | 86       | 160     | 1.496   | 116     |
| 73         | Z-95M73L | 105      | 86       | 160     | 1.614   | 116     |
| 75         | Z-95M75L | 105      | 86       | 162     | 1.614   | 116     |
| 76         | Z-95M76L | 109      | 86       | 162     | 1.732   | 118     |
| 80         | Z-95M80L | 115      | 86       | 162     | 1.457   | 118     |

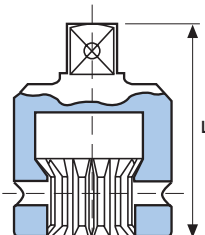
# ATP ACCESSORIES FOR #5 SPLINE DRIVE

## SIX POINT IMPACT SOCKETS



### Adapters

| PART# | FEMALE<br>in | MALE<br>in | L<br>in |
|-------|--------------|------------|---------|
| A9516 | #5           | 1"         | 3.54    |
| A9524 | #5           | 1-1/2"     | 3.94    |
| A2495 | 1-1/2"       | #5         | 5.43    |



### Extensions

| PART# | L<br>in |
|-------|---------|
| E9508 | 8       |
| E9515 | 15      |

### Universal Joint

| SIZE            | PART# |
|-----------------|-------|
| #5 Spline Drive | U9595 |

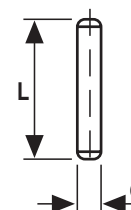
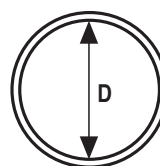


### Universal Joint Repair Kits

| PART# | DESCRIPTION                                                            |
|-------|------------------------------------------------------------------------|
| 95UK1 | Retainer Kit Contents: Hex Plunger, Lock Button, Inner & Outer Springs |
| 95UK2 | Pin Kit Contents: Drive Pin, Trunnions, Spiral Pins                    |
| 95UK3 | Retrofit Kit Contents: All Parts From the Above 2 Kits                 |

### Retaining Pins and Rings

| SPLINE<br>DRIVE | SOCKET<br>SIZES      | PIN#  | RING# | d<br>in | L<br>in | D<br>in |
|-----------------|----------------------|-------|-------|---------|---------|---------|
| #5              | Up To 2-3/16" (55mm) | P9560 | R9560 | .950    | 1.950   | 1.950   |
| #5              | Above 2-3/16" (55mm) | P9586 | R9586 | .950    | 2.964   | 2.964   |



# ATP 12 POINT OPENING

## FLAT STRIKING WRENCHES

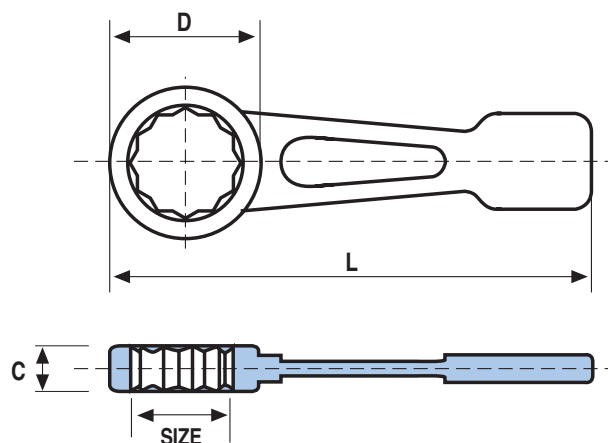


### Fractional Sizes

| PART# | SIZE<br>in | D<br>in | C<br>in | L<br>in  |
|-------|------------|---------|---------|----------|
| FSW14 | 7/8        | 1-13/16 | 9/16    | 6-1/2    |
| FSW15 | 15/16      | 1-13/16 | 9/16    | 6-1/2    |
| FSW16 | 1          | 1-13/16 | 9/16    | 6-1/2    |
| FSW17 | 1-1/16     | 1-13/16 | 5/8     | 7-1/16   |
| FSW18 | 1-1/8      | 1-13/16 | 5/8     | 7-1/16   |
| FSW19 | 1-3/16     | 2-1/16  | 11/16   | 7-1/2    |
| FSW20 | 1-1/4      | 2-1/16  | 11/16   | 7-1/2    |
| FSW21 | 1-5/16     | 2-1/16  | 11/16   | 7-1/2    |
| FSW22 | 1-3/8      | 2-1/16  | 11/16   | 7-1/2    |
| FSW23 | 1-7/16     | 2-15/16 | 11/16   | 8-1/16   |
| FSW24 | 1-1/2      | 2-15/16 | 11/16   | 8-1/16   |
| FSW25 | 1-9/16     | 2-15/16 | 11/16   | 8-1/16   |
| FSW26 | 1-5/8      | 2-15/16 | 13/16   | 9-1/16   |
| FSW27 | 1-11/16    | 2-15/16 | 13/16   | 9-1/16   |
| FSW28 | 1-3/4      | 2-15/16 | 13/16   | 9-1/16   |
| FSW29 | 1-13/16    | 2-15/16 | 7/8     | 9-7/16   |
| FSW30 | 1-7/8      | 2-15/16 | 7/8     | 9-7/16   |
| FSW31 | 1-15/16    | 2-15/16 | 7/8     | 9-7/16   |
| FSW32 | 2          | 3-1/8   | 15/16   | 10-1/16  |
| FSW33 | 2-1/16     | 3-1/8   | 15/16   | 10-1/16  |
| FSW34 | 2-1/8      | 3-1/8   | 15/16   | 10-1/16  |
| FSW35 | 2-3/16     | 3-3/8   | 1       | 10-5/8   |
| FSW36 | 2-1/4      | 3-3/8   | 1       | 10-5/8   |
| FSW37 | 2-5/16     | 3-3/8   | 1       | 10-5/8   |
| FSW38 | 2-3/8      | 3-11/16 | 1       | 11       |
| FSW39 | 2-7/16     | 3-11/16 | 1       | 11       |
| FSW40 | 2-1/2      | 3-11/16 | 1       | 11       |
| FSW41 | 2-9/16     | 4       | 1-3/16  | 11-13/16 |
| FSW42 | 2-5/8      | 4       | 1-3/16  | 11-13/16 |
| FSW43 | 2-11/16    | 4       | 1-3/16  | 11-13/16 |
| FSW44 | 2-3/4      | 4-5/16  | 1-5/16  | 13       |
| FSW45 | 2-13/16    | 4-5/16  | 1-5/16  | 13       |
| FSW46 | 2-7/8      | 4-5/16  | 1-5/16  | 13       |
| FSW47 | 2-15/16    | 4-5/16  | 1-5/16  | 13       |
| FSW48 | 3          | 4-5/16  | 1-5/16  | 13       |
| FSW49 | 3-1/16     | 4-5/16  | 1-5/16  | 13       |
| FSW50 | 3-1/8      | 4-15/16 | 1-7/16  | 14-3/16  |
| FSW51 | 3-3/16     | 4-15/16 | 1-7/16  | 14-3/16  |
| FSW52 | 3-1/4      | 4-15/16 | 1-7/16  | 14-3/16  |
| FSW53 | 3-5/16     | 4-15/16 | 1-7/16  | 14-3/16  |
| FSW54 | 3-3/8      | 4-15/16 | 1-7/16  | 14-3/16  |
| FSW55 | 3-7/16     | 4-15/16 | 1-7/16  | 14-3/16  |
| FSW56 | 3-1/2      | 4-15/16 | 1-7/16  | 14-3/16  |
| FSW57 | 3-9/16     | 5-9/16  | 1-9/16  | 15-3/8   |
| FSW58 | 3-5/8      | 5-9/16  | 1-9/16  | 15-3/8   |
| FSW59 | 3-11/16    | 5-9/16  | 1-9/16  | 15-3/8   |
| FSW60 | 3-3/4      | 5-9/16  | 1-9/16  | 15-3/8   |
| FSW61 | 3-13/16    | 5-9/16  | 1-9/16  | 15-3/8   |
| FSW62 | 3-7/8      | 5-9/16  | 1-9/16  | 15-3/8   |
| FSW63 | 3-15/16    | 6-1/8   | 1-3/4   | 16-9/16  |
| FSW64 | 4          | 6-1/8   | 1-3/4   | 16-9/16  |
| FSW65 | 4-1/16     | 6-1/8   | 1-3/4   | 16-9/16  |
| FSW66 | 4-1/8      | 6-1/8   | 1-3/4   | 16-9/16  |
| FSW67 | 4-3/16     | 6-1/8   | 1-3/4   | 16-9/16  |
| FSW68 | 4-1/4      | 6-1/8   | 1-3/4   | 16-9/16  |

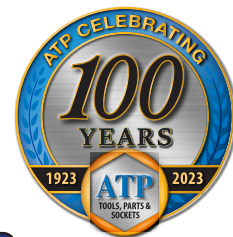
### Fractional Sizes Cont.

| PART#  | SIZE<br>in | D<br>in | C<br>in | L<br>in  |
|--------|------------|---------|---------|----------|
| FSW69  | 4-5/16     | 6-11/16 | 1-7/8   | 17-11/16 |
| FSW70  | 4-3/8      | 6-11/16 | 1-7/8   | 17-11/16 |
| FSW71  | 4-7/16     | 6-11/16 | 1-7/8   | 17-11/16 |
| FSW72  | 4-1/2      | 6-11/16 | 1-7/8   | 17-11/16 |
| FSW74  | 4-5/8      | 6-11/16 | 1-7/8   | 17-11/16 |
| FSW76  | 4-3/4      | 7-3/16  | 2-1/8   | 18-7/8   |
| FSW78  | 4-7/8      | 7-3/16  | 2-1/8   | 18-7/8   |
| FSW80  | 5          | 7-3/16  | 2-1/8   | 18-7/8   |
| FSW82  | 5-1/8      | 7-15/16 | 2-5/16  | 20-1/2   |
| FSW83  | 5-3/16     | 7-15/16 | 2-5/16  | 20-1/2   |
| FSW84  | 5-1/4      | 7-15/16 | 2-5/16  | 20-1/2   |
| FSW86  | 5-3/8      | 7-15/16 | 2-5/16  | 20-1/2   |
| FSW88  | 5-1/2      | 8-1/4   | 2-5/16  | 20-1/2   |
| FSW90  | 5-5/8      | 8-1/4   | 2-5/16  | 20-1/2   |
| FSW92  | 5-3/4      | 9       | 2-1/2   | 22-13/16 |
| FSW94  | 5-7/8      | 9       | 2-1/2   | 22-13/16 |
| FSW96  | 6          | 9       | 2-1/2   | 22-13/16 |
| FSW98  | 6-1/8      | 9       | 2-1/2   | 22-13/16 |
| FSW100 | 6-1/4      | 9       | 2-1/2   | 22-13/16 |
| FSW102 | 6-3/8      | 9-7/16  | 2-1/2   | 22-13/16 |
| FSW104 | 6-1/2      | 10-7/16 | 2-3/4   | 25-9/16  |
| FSW106 | 6-5/8      | 10-7/16 | 2-3/4   | 25-9/16  |
| FSW108 | 6-3/4      | 10-7/16 | 2-3/4   | 25-9/16  |
| FSW110 | 6-7/8      | 10-7/16 | 2-3/4   | 25-9/16  |
| FSW112 | 7          | 10-7/16 | 2-3/4   | 25-9/16  |
| FSW114 | 7-1/8      | 10-7/16 | 2-3/4   | 25-9/16  |
| FSW116 | 7-1/4      | 11-7/16 | 2-15/16 | 27-9/16  |
| FSW118 | 7-3/8      | 11-7/16 | 2-15/16 | 27-9/16  |
| FSW120 | 7-1/2      | 11-7/16 | 2-15/16 | 27-9/16  |
| FSW122 | 7-5/8      | 11-7/16 | 2-15/16 | 27-9/16  |
| FSW124 | 7-3/4      | 11-7/16 | 2-15/16 | 27-9/16  |
| FSW125 | 7-13/16    | 11-7/16 | 2-15/16 | 27-9/16  |
| FSW126 | 7-7/8      | 11-7/16 | 2-15/16 | 27-9/16  |
| FSW128 | 8          | 11-7/16 | 2-15/16 | 27-9/16  |
| FSW130 | 8-1/8      | 11-7/16 | 2-15/16 | 27-9/16  |
| FSW132 | 8-1/4      | 12-5/8  | 3-1/8   | 29-1/2   |
| FSW134 | 8-3/8      | 12-5/8  | 3-1/8   | 29-1/2   |
| FSW136 | 8-1/2      | 12-5/8  | 3-1/8   | 29-1/2   |
| FSW140 | 8-5/8      | 12-5/8  | 3-1/8   | 29-1/2   |
| FSW142 | 8-7/8      | 12-5/8  | 3-1/8   | 29-1/2   |
| FSW144 | 9          | 12-5/8  | 3-1/8   | 29-1/2   |



# ATP 12 POINT OPENING

## FLAT STRIKING WRENCHES



### Metric Sizes

| PART#  | SIZE<br>mm | D<br>mm | C<br>mm | L<br>mm |
|--------|------------|---------|---------|---------|
| FSWM22 | 22         | 43      | 15      | 165     |
| FSWM23 | 23         | 43      | 15      | 165     |
| FSWM24 | 24         | 43      | 15      | 165     |
| FSWM25 | 25         | 43      | 15      | 165     |
| FSWM26 | 26         | 43      | 15      | 165     |
| FSWM27 | 27         | 46      | 16      | 180     |
| FSWM28 | 28         | 46      | 16      | 180     |
| FSWM29 | 29         | 46      | 16      | 180     |
| FSWM30 | 30         | 52      | 17      | 190     |
| FSWM31 | 31         | 52      | 17      | 190     |
| FSWM32 | 32         | 52      | 17      | 190     |
| FSWM33 | 33         | 52      | 17      | 190     |
| FSWM34 | 34         | 52      | 17      | 190     |
| FSWM35 | 35         | 52      | 17      | 190     |
| FSWM36 | 36         | 58      | 18      | 205     |
| FSWM37 | 37         | 58      | 18      | 205     |
| FSWM38 | 38         | 58      | 18      | 205     |
| FSWM39 | 39         | 58      | 18      | 205     |
| FSWM40 | 40         | 58      | 18      | 205     |
| FSWM41 | 41         | 66      | 20      | 230     |
| FSWM42 | 42         | 66      | 20      | 230     |
| FSWM43 | 43         | 66      | 20      | 230     |
| FSWM44 | 44         | 66      | 20      | 230     |
| FSWM45 | 45         | 66      | 20      | 230     |
| FSWM46 | 46         | 74      | 22      | 240     |
| FSWM47 | 47         | 74      | 22      | 240     |
| FSWM48 | 48         | 74      | 22      | 240     |
| FSWM49 | 49         | 74      | 22      | 240     |
| FSWM50 | 50         | 80      | 24      | 255     |
| FSWM51 | 51         | 80      | 24      | 255     |
| FSWM52 | 52         | 80      | 24      | 255     |
| FSWM54 | 54         | 80      | 24      | 255     |
| FSWM55 | 55         | 86      | 25      | 270     |
| FSWM56 | 56         | 86      | 25      | 270     |
| FSWM57 | 57         | 86      | 25      | 270     |
| FSWM58 | 58         | 86      | 25      | 270     |
| FSWM59 | 59         | 86      | 25      | 270     |
| FSWM60 | 60         | 93      | 26      | 280     |

### Metric Sizes Cont.

| PART#   | SIZE<br>mm | D<br>mm | C<br>mm | L<br>mm |
|---------|------------|---------|---------|---------|
| FSWM61  | 61         | 93      | 26      | 280     |
| FSWM62  | 62         | 93      | 26      | 280     |
| FSWM65  | 65         | 102     | 30      | 300     |
| FSWM67  | 67         | 102     | 30      | 300     |
| FSWM70  | 70         | 110     | 33      | 330     |
| FSWM73  | 73         | 110     | 33      | 330     |
| FSWM75  | 75         | 110     | 33      | 330     |
| FSWM76  | 76         | 110     | 33      | 330     |
| FSWM80  | 80         | 125     | 36      | 360     |
| FSWM85  | 85         | 125     | 36      | 360     |
| FSWM86  | 86         | 125     | 36      | 360     |
| FSWM90  | 90         | 142     | 40      | 390     |
| FSWM95  | 95         | 142     | 40      | 390     |
| FSWM100 | 100        | 115     | 45      | 420     |
| FSWM105 | 105        | 155     | 45      | 420     |
| FSWM110 | 110        | 170     | 48      | 450     |
| FSWM115 | 115        | 170     | 48      | 450     |
| FSWM120 | 120        | 182     | 54      | 480     |
| FSWM125 | 125        | 182     | 54      | 480     |
| FSWM130 | 130        | 202     | 58      | 520     |
| FSWM135 | 135        | 202     | 58      | 520     |
| FSWM140 | 140        | 210     | 58      | 520     |
| FSWM145 | 145        | 228     | 64      | 580     |
| FSWM150 | 150        | 228     | 64      | 580     |
| FSWM155 | 155        | 228     | 64      | 580     |
| FSWM160 | 160        | 240     | 64      | 580     |
| FSWM165 | 165        | 265     | 70      | 650     |
| FSWM170 | 170        | 265     | 70      | 650     |
| FSWM175 | 175        | 265     | 70      | 650     |
| FSWM180 | 180        | 265     | 70      | 650     |
| FSWM185 | 185        | 290     | 75      | 700     |
| FSWM190 | 190        | 290     | 75      | 700     |
| FSWM195 | 195        | 290     | 75      | 700     |
| FSWM200 | 200        | 290     | 75      | 700     |
| FSWM210 | 210        | 320     | 80      | 750     |
| FSWM215 | 215        | 320     | 80      | 750     |
| FSWM225 | 225        | 320     | 80      | 750     |
| FSWM230 | 230        | 320     | 80      | 750     |

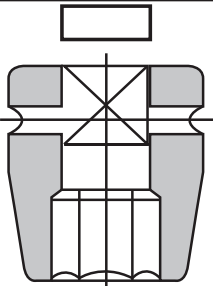
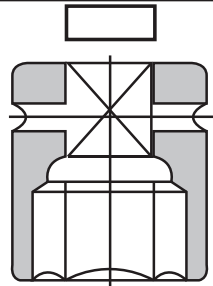
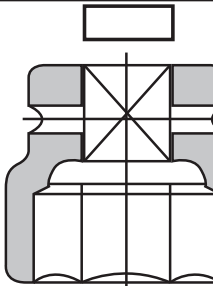
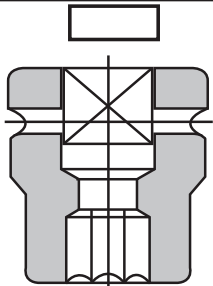


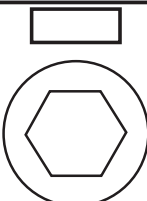
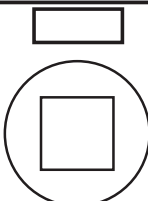
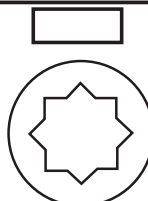
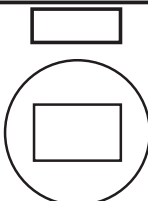
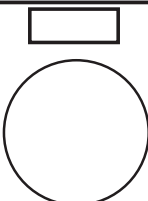
## ATP NON-STANDARD SOCKET DESCRIPTION FOR QUOTATION

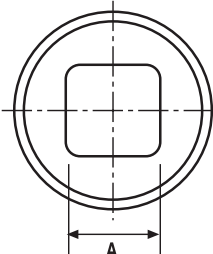
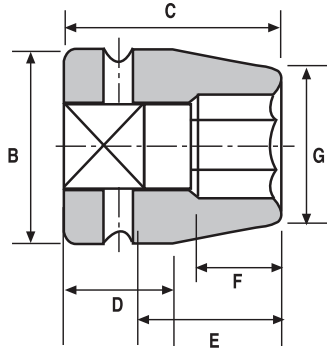
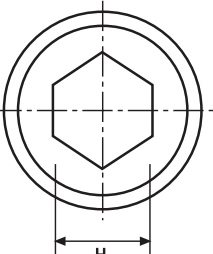
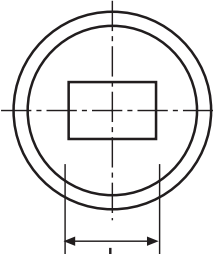
COMPANY: \_\_\_\_\_ CONTACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE : \_\_\_\_\_ FAX: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

| SOCKET TYPE                                                                       |                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TYPE A                                                                            | TYPE B                                                                            | TYPE C                                                                            | TYPE D                                                                              |
|  |  |  |  |

| OPENING TYPE                                                                       |                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| SINGLE HEX                                                                         | DOUBLE HEX                                                                         | SINGLE SQUARE                                                                      | DOUBLE SQUARE                                                                      | RECTANGULAR                                                                         | OTHER                                                                                |
|  |  |  |  |  |  |

| DIMENSION                                                                           |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |
| A SQUARE DRIVE _____                                                                | B DRIVE END DIA. _____                                                              | C OVERALL LGTH. _____                                                                |                                                                                       |
| D SHOULDER LENGTH _____                                                             | E BOLT CLEAR. DEPTH _____                                                           | F OPENING DEPTH _____                                                                |                                                                                       |
| G NUT SIDE DIA. _____                                                               | H ACROSS FLATS _____                                                                | J/K REC. SIZE _____                                                                  |                                                                                       |

APPLICATION/COMMENTS: \_\_\_\_\_ QUANTITY(S) \_\_\_\_\_

\_\_\_\_\_

Send ATP socket specials request for quotation to FAX (724)-776-0227 or email to info@hy-techinc.com

HY-TECH ENGINEERED SOLUTIONS 25 Leonberg Road, Cranberry Township, PA 16066

**ATP**