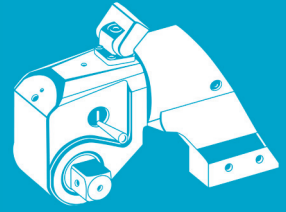


# RT SERIES HYDRAULIC TORQUE WRENCH



Used worldwide due to its powerful torque output and long-lasting tool performance.

*Atlas Copco*



# RT SERIES

## SQUARE DRIVE HYDRAULIC TORQUE WRENCH

Our vision for the RT Series hydraulic torque wrench is a simple one: create a hydraulic torque wrench with legendary durability for the most demanding applications. The RT series is a hydraulic torque wrench that will deliver superior performance and accuracy over a longer tool life.

From design, to manufacturing and calibration, the RT Series is a purpose-built bolting machine. It stands second to none.

### SPRING-LOADED SHROUD

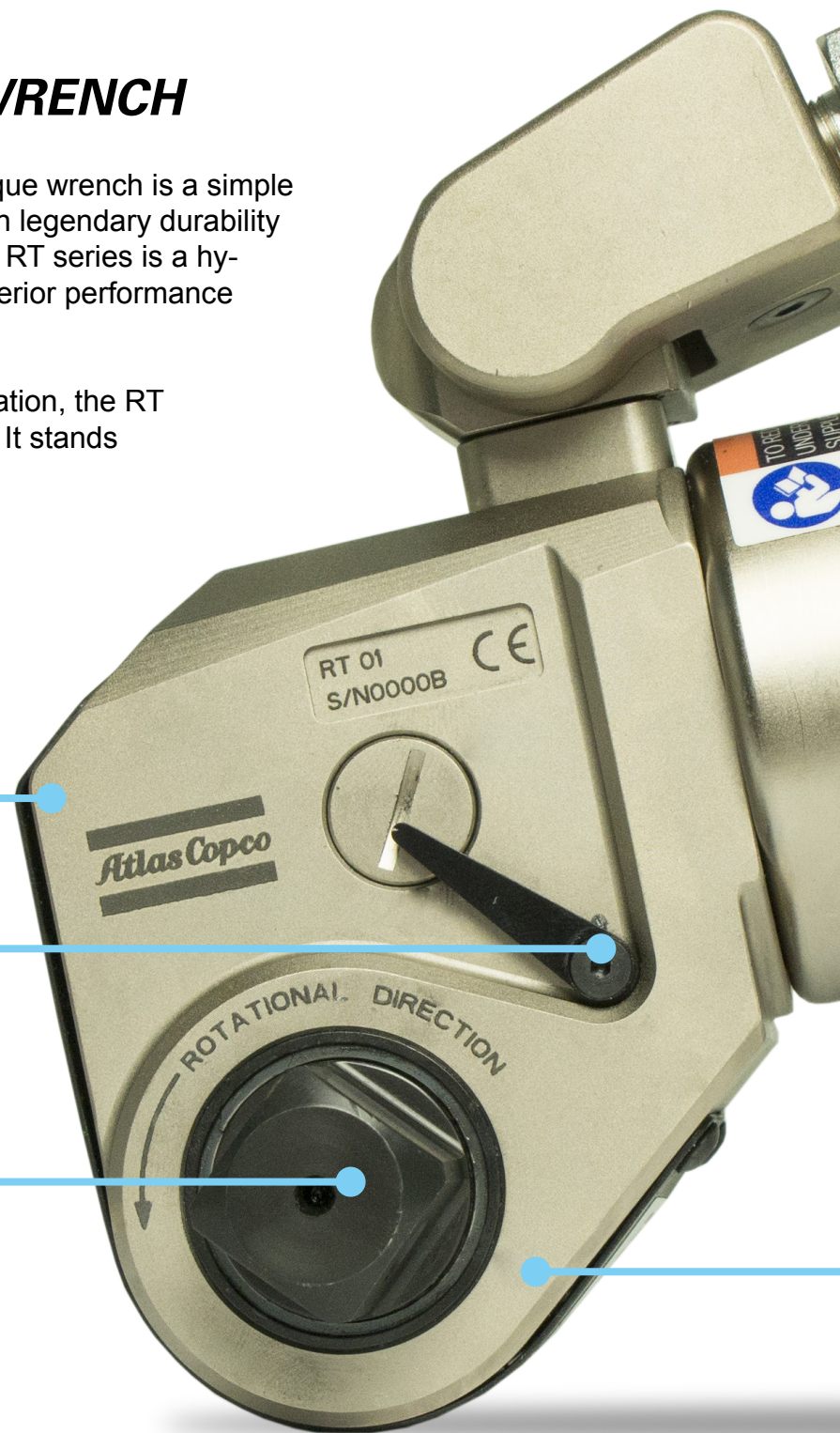
Spring loaded shroud absorbs energy during operation.

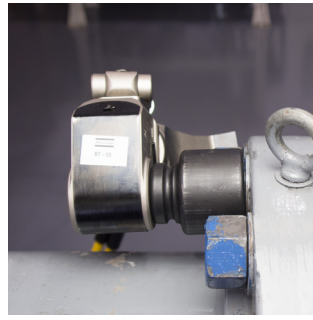
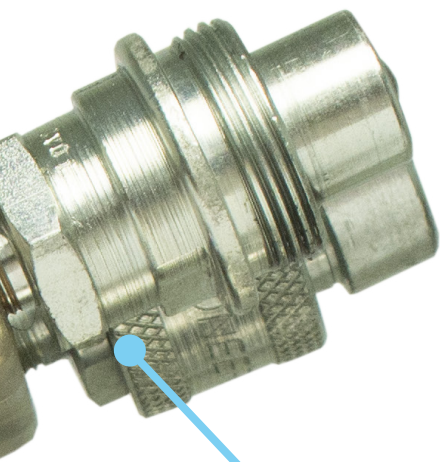
### EXTERNAL DISENGAGEMENT LEVER

These external disengagement levers make it easy to remove the tool from the application.

### SPLINED SQUARE DRIVE

The RT Series splined square drive distributes load evenly through the drive components, providing full heavy-duty transmission of force. Direct Hex Drives and Hex Adapters are available.





#### MULTI-AXIS SWIVEL

Greater range of movement on multiple axis allows the hose to move easier compared to single axis swivels.

#### SPLINED REACTION ARM

Splined reaction arm makes the tool more compact and allows the reaction arm to be adjusted for maximum safety.

#### HIGH STRENGTH STEEL BOOT

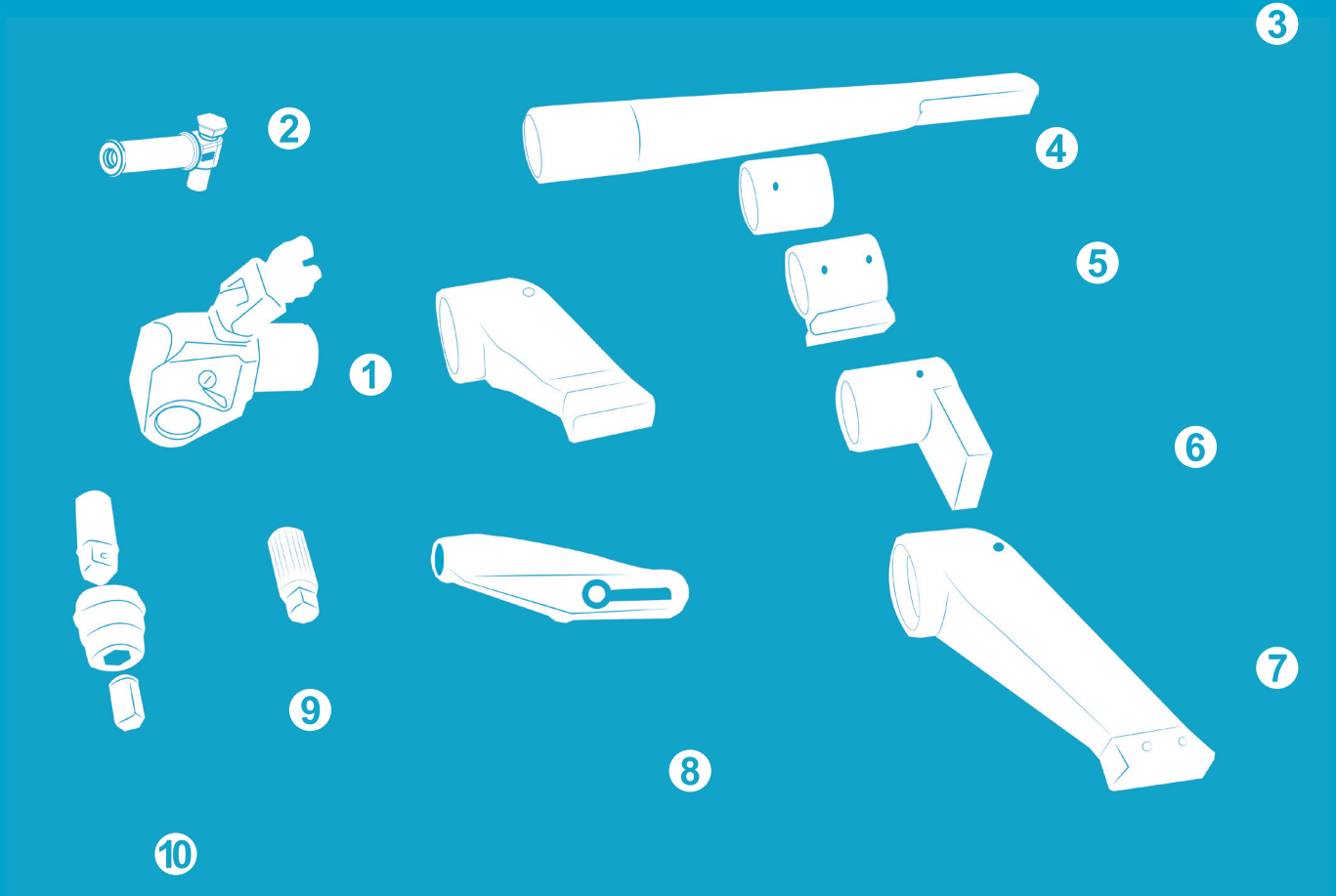
The reaction arm boot comes standard. Copper boot also available.

#### MONOBLOC ALUMINUM HOUSING

A single block of aircraft quality aluminum alloy is used to produce the RT Series housing. This allows the tool to produce massive amounts of torque, while having an amazing power-to-weight ratio.

# RT SERIES

## SQUARE DRIVE HYDRAULIC TORQUE WRENCH



**1** RT with Standard Reaction Arm

**2** RT Safety Handle

**3** Alco Reaction Arm

**4** Steel Reaction Sleeve

**5** Steel Reaction Sleeve with foot

**6** CAM-style Reaction Arm

**7** Extended Reaction Arm

**8** Sliding Reaction Arm

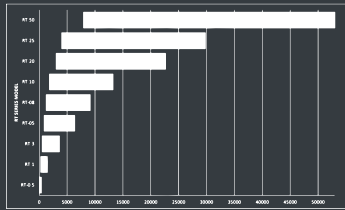
**9** Direct Hex Drive

**10** Insert Bit Adapter

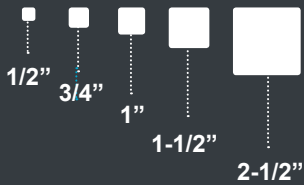
# STANDARD SETUP

## KEY FEATURES

**9 Models**  
torque range  
55 ft.lb. to 52,500 ft.lb.  
(75 Nm to 71,169 Nm)



## Square Drive Sizes



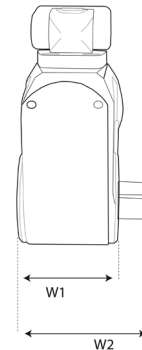
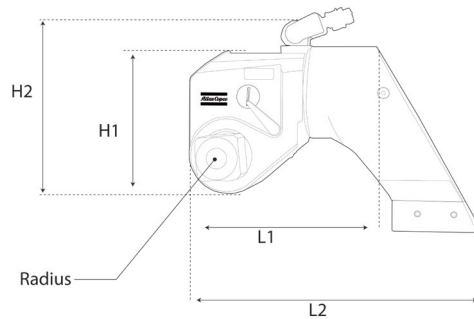
1



The RT comes with the standard reaction arm, great for many common applications.

The RT Series comes standard with a square drive, use with a socket.

| Model  | Square Drive<br>in | Torque<br>ft. lb. |       | Torque<br>Nm |       | Weight |      | Ordering No. |
|--------|--------------------|-------------------|-------|--------------|-------|--------|------|--------------|
|        |                    | min               | max   | min          | max   | lb     | kg   |              |
| RT-0.5 | 1/2                | 55                | 397   | 75           | 538   | 0.8    | 0.4  | 8434 2010 00 |
| RT-01  | 3/4                | 200               | 1340  | 271          | 1817  | 3.8    | 1.9  | 8434 2010 02 |
| RT-03  | 1                  | 480               | 3230  | 651          | 4379  | 7.8    | 3.9  | 8434 2010 05 |
| RT-05  | 1-1/2              | 835               | 5590  | 1132         | 7578  | 15     | 7.5  | 8434 2010 09 |
| RT-08  | 1-1/2              | 1200              | 8000  | 1627         | 10845 | 23     | 11.5 | 8434 2010 13 |
| RT-10  | 1-1/2              | 1755              | 11520 | 2379         | 15617 | 26.8   | 13.4 | 8434 2010 16 |
| RT-20  | 2-1/2              | 2960              | 19760 | 4013         | 26787 | 36     | 18   | 8434 2010 20 |
| RT-25  | 2-1/2              | 3960              | 25890 | 5368         | 35096 | 62     | 31   | 8434 2010 25 |
| RT-50  | 2-1/2              | 7875              | 52500 | 10675        | 71169 | 96     | 48   | 8434 2010 29 |



| Model  | Dimensions |     |       |     |      |       |      |        |        |      |      |      |      |       |
|--------|------------|-----|-------|-----|------|-------|------|--------|--------|------|------|------|------|-------|
|        | L1         |     | L2    |     | H1   |       | H2   |        | Radius |      | W1   |      | W2   |       |
|        | in         | mm  | in    | mm  | in   | mm    | in   | mm     | in     | mm   | in   | mm   | in   | mm    |
| RT-0.5 | 3.15       | 81  | 4.87  | 125 | 2.35 | 60.5  | 3.62 | 93     | 0.52   | 13.5 | 1.3  | 33.5 | 1.97 | 50.5  |
| RT-01  | 4.68       | 120 | 7.13  | 183 | 3.52 | 90.5  | 4.75 | 122    | 0.9    | 23   | 1.95 | 50   | 2.76 | 71    |
| RT-03  | 6.04       | 155 | 9.24  | 237 | 4.68 | 120   | 6.08 | 156    | 1.28   | 33   | 2.59 | 66.5 | 3.72 | 95.5  |
| RT-05  | 7.21       | 185 | 11.23 | 288 | 5.63 | 144.5 | 7.05 | 181    | 1.44   | 37   | 3.12 | 80   | 4.9  | 126   |
| RT-08  | 7.85       | 202 | 12.49 | 321 | 6.42 | 164.6 | 8.4  | 213.36 | 1.62   | 41   | 3.48 | 88   | 4.95 | 126   |
| RT-10  | 9          | 232 | 13.9  | 357 | 7.2  | 186   | 9.3  | 239    | 1.87   | 48   | 3.9  | 100  | 5.5  | 142.5 |
| RT-20  | 10.2       | 259 | 16.55 | 420 | 8.5  | 216   | 9.9  | 251    | 2.17   | 55.1 | 4.7  | 119  | 6.7  | 170   |
| RT-25  | 12         | 310 | 18.4  | 473 | 9.1  | 234   | 11   | 282    | 2.37   | 61   | 5.2  | 134  | 7.4  | 191   |
| RT-50  | 15.2       | 390 | 23.9  | 615 | 11.4 | 294   | 13.4 | 344    | 30.8   | 79   | 6.5  | 167  | 8.9  | 228   |

+/- 3%  
Accuracy

Designs and specifications are subject to change without notice or obligation. Read all safety instructions in the manual before usage.

# ACCESSORIES

## 2 SAFETY HANDLE



| Description           | Ordering No. |
|-----------------------|--------------|
| HANDLE KIT RT0.5, RT1 | 8434 2170 34 |
| HANDLE KIT RT3, RT5   | 8434 2170 33 |
| HANDLE KIT RT8, RT10  | 8434 2170 32 |

## 3 ALCO ARM



| Description | Ordering No. |
|-------------|--------------|
| RT0.5-ALC   | 4222 2126 76 |
| RT01-ALC    | 4222 2102 64 |
| RT03-ALC    | 8434 2057 10 |
| RT05-ALC    | 8434 2139 88 |
| RT08-ALC    | 8434 2140 36 |
| RT10-ALC    | 8434 2140 60 |

## 4 STEEL SLEEVE



| Description | Ordering No. |
|-------------|--------------|
| RT0.5-SSLV  | 4222 2126 88 |
| RT01-SSLV   | 8434 2057 08 |
| RT03-SSLV   | 8434 2057 32 |
| RT05-SSLV   | 8434 2140 30 |
| RT08-SSLV   | 8434 2140 51 |
| RT10-SSLV   | 8434 2140 90 |

## 5 STEEL SLEEVE W/FOOT



| Description | Ordering No. |
|-------------|--------------|
| RT01-SSLVF  | 8434 2057 09 |
| RT03-SLVF   | 4222 2130 21 |

## 6 CAM STYLE ARM



| Description  | Ordering No. |
|--------------|--------------|
| RT03-CAM ARM | 4222 2130 12 |
| RT05-3 CAM   | 4222 2130 57 |
| RT05-03-CAM  | 4222 2130 48 |

## 7 EXT ARM



| Description | Ordering No. |
|-------------|--------------|
| RT0.5-EXT   | 4222 2126 82 |
| RT01-EXT    | 8434 2056 92 |
| RT03-EXT    | 8434 2057 12 |
| RT05-EXT    | 8434 2057 34 |
| RT08-EXT    | 8434 2140 42 |
| RT10-EXT    | 8434 2140 66 |

## 8 SLIDING REACTION ARM



| Description       | Ordering No. |
|-------------------|--------------|
| RT-01 SLIDING EXT | 8434 2057 33 |
| RT-01 SLIDING STD | 8434 2150 95 |
| RT-03 SLIDING EXT | 8434 2150 37 |
| RT-03 SLIDING STD | 8434 2150 30 |
| RT-05 SLIDING EXT | 8434 2150 36 |
| RT-05 SLIDING STD | 8434 2150 35 |
| RT-08 SLIDING EXT | 8434 2150 32 |
| RT-08 SLIDING STD | 8434 2150 31 |

| Description       | Ordering No. |
|-------------------|--------------|
| RT-10 SLIDING EXT | 8434 2150 34 |
| RT-10 SLIDING STD | 8434 2150 33 |
| RT20 SLIDING EXT  | 8434 2150 90 |
| RT20 SLIDING STD  | 8434 2150 89 |
| RT25 SLIDING EXT  | 8434 2150 92 |
| RT25 SLIDING STD  | 8434 2150 91 |
| RT50 SLIDING EXT  | 8434 2150 94 |
| RT50 SLIDING STD  | 8434 2150 93 |

STD= Standard

EXT=Extended

## 9 DIRECT HEX DRIVE



| Description   | Ordering No. |
|---------------|--------------|
| RT0.5-HX-10MM | 8434 2138 44 |
| RT0.5-HX-12MM | 8434 2138 47 |
| RT0.5-HX-14MM | 8434 2138 50 |
| RT0.5-HX-16MM | 8434 2138 53 |
| RT0.5-HX-17MM | 8434 2138 56 |
| RT0.5-HX-19MM | 8434 2138 62 |
| RT0.5-HX-22MM | 8434 2138 68 |
| RT0.5-HX-24MM | 8434 2101 71 |
| RT01-HX-010   | 8434 2138 71 |
| RT01-HX-012   | 8434 2138 74 |
| RT01-HX-014   | 8434 2138 77 |
| RT01-HX-17MM  | 8434 2056 96 |

| Description      | Ordering No. |
|------------------|--------------|
| RT01-HX-19MM     | 8434 2056 98 |
| RT01-HX-22MM     | 8434 2057 02 |
| RT01-HX-24MM     | 8434 2057 04 |
| RT01-HX-27MM     | 8434 2057 06 |
| RT03-HX-010      | 8434 2057 14 |
| RT03-HX-012      | 8434 2057 16 |
| RT03-HX-014      | 8434 2057 18 |
| RT03-HX-19MM     | 8434 2057 22 |
| RT03-HX-19MM-EXT | 8434 2139 40 |
| RT03-HX-22MM     | 8434 2057 24 |
| RT03-HX-22MM-EXT | 8434 2116 22 |
| RT03-HX-24MM     | 8434 2057 26 |
| RT03-HX-24MM-EXT | 8434 2116 25 |

| Description      | Ordering No. |
|------------------|--------------|
| RT03-HX-27MM     | 8434 2057 28 |
| RT03-HX-30MM     | 8434 2139 46 |
| RT03-HX-32MM     | 8434 2057 30 |
| RT03-HX-36MM     | 8434 2139 49 |
| RT03-HX-36MM-EXT | 8434 2139 52 |
| RT03-HX-38MM     | 8434 2139 55 |
| RT05-HX-24MM     | 8434 2140 03 |
| RT05-HX-27MM     | 8434 2057 36 |
| RT05-HX-27MM-EXT | 8434 2140 09 |
| RT05-HX-32MM     | 8434 2140 12 |
| RT05-HX-32MM-EXT | 8434 2140 15 |

## 10 INSERT BIT ADAPTER



| Description                    | Ordering No. |
|--------------------------------|--------------|
| Hex Holder Sq Dr 3/4"-7/8"     | 8434 2129 59 |
| Hex Holder Sq Dr 1/2"-1/2"     | 8434 2056 58 |
| Hex Holder Sq Dr 1/2"-7/8"     | 8434 2056 60 |
| Hex Holder Sq Dr 1 1/2"-1 3/4" | 8434 2129 62 |
| Hex Holder Sq Dr 1 1/2"-1 1/4" | 8434 2129 65 |
| Hex Holder Sq Dr 1"-1 1/4"     | 8434 2129 68 |
| Hex Holder Sq Dr 1"-7/8"       | 8434 2056 62 |
| Hex Size 10MM                  | 8434 2054 24 |
| Hex Size 12MM                  | 8434 2054 26 |
| Hex Size 14MM                  | 8434 2054 30 |
| Hex Size 17MM                  | 8434 2054 32 |
| Hex Size 19MM                  | 8434 2054 34 |
| Hex Size 22MM                  | 8434 2054 36 |
| Hex Size 24MM                  | 8434 2054 38 |
| Hex Size 27MM                  | 8434 2123 32 |

| Description   | Ordering No. |
|---------------|--------------|
| Hex Size 24MM | 8434 2050 18 |
| Hex Size 27MM | 8434 2050 20 |
| Hex Size 28MM | 8434 2050 22 |
| Hex Size 29MM | 8434 2050 24 |
| Hex Size 30MM | 8434 2050 26 |
| Hex Size 32MM | 8434 2050 28 |
| Hex Size 33MM | 8434 2050 30 |
| Hex Size 36MM | 8434 2124 13 |
| Hex Size 36MM | 8434 2050 40 |
| Hex Size 40MM | 8434 2124 16 |
| Hex Size 41MM | 8434 2050 42 |
| Hex Size 46MM | 8434 2050 44 |
| Hex Size 50MM | 8434 2050 46 |
| Hex Size 1"   | 8434 2054 20 |
| Hex Size 1"   | 8434 2050 12 |

| Description      | Ordering No. |
|------------------|--------------|
| Hex Size 1 1/16" | 8434 2124 10 |
| Hex Size 1 1/4"  | 8434 2050 14 |
| Hex Size 1 1/8"  | 8434 2050 16 |
| Hex Size 1 1/2"  | 8434 2050 32 |
| Hex Size 1 3/4"  | 8434 2050 34 |
| Hex Size 1 3/8"  | 8434 2050 36 |
| Hex Size 1 5/8"  | 8434 2050 38 |
| Hex Size 1"-12pt | 8434 2126 86 |
| Hex Size 1/2"    | 8434 2054 22 |
| Hex Size 13/16"  | 8434 2054 28 |
| Hex Size 3/4"    | 8434 2054 40 |
| Hex Size 5/8"    | 8434 2054 42 |
| Hex Size 7/8"    | 8434 2054 44 |
| Hex Size 9/16"   | 8434 2054 46 |



## ***COMMITTED TO SUSTAINABLE PRODUCTIVITY***

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