



# C50L<sup>®</sup>

Huck-Engineered Lockbolts  
for the Most Challenging  
Applications



# Huck® C50L®

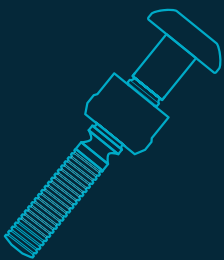
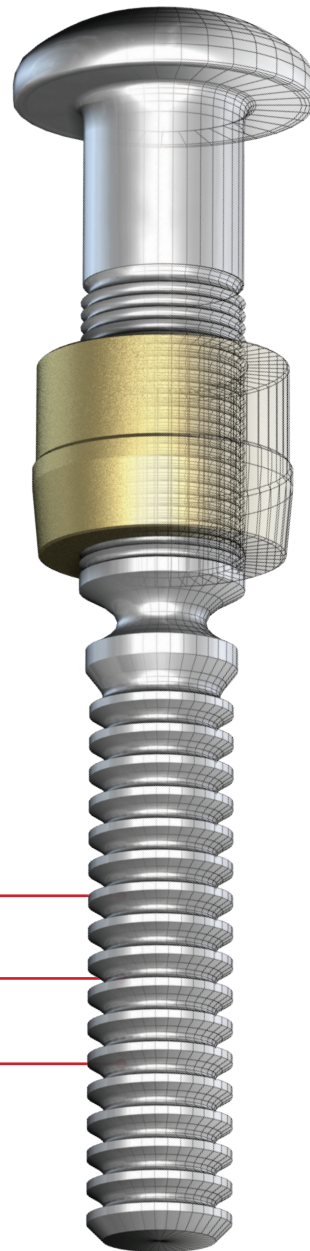
The Fastener That Has Defined HuckBolts for More Than 50 years

The C50L® offers superior vibration resistance and overall durability for heavy-duty fastening jobs, and is ideal for use within applications where consistent, uniform high clamp force is required. Testing has proven that C50L fasteners meet, or exceed the performance of torqued bolts in both shear and tensile strength, as well as fatigue life. For heavy-duty applications ranging from railcar to mining equipment manufacturing, the C50L delivers superior vibration resistance and overall durability.

**Available Sizes** 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-3/8"

**Materials** Steel, Aluminum

**Headstyles** Round, Truss, Large Truss, 90° Flush, Thread Head

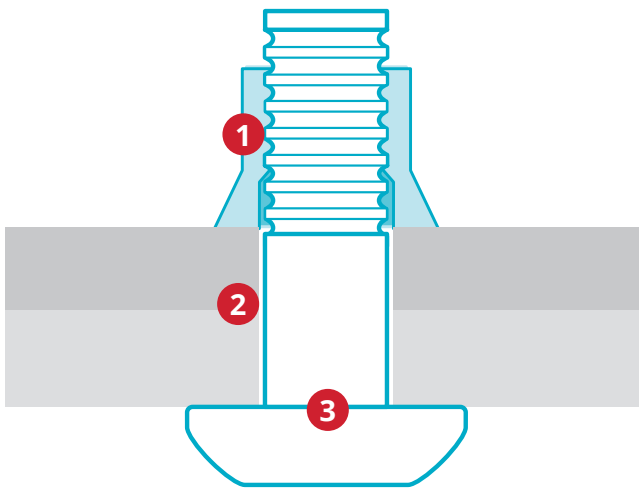


- ✓ Superior vibration resistance
- ✓ Overall durability for heavy-duty applications
- ✓ High shear and tensile strength

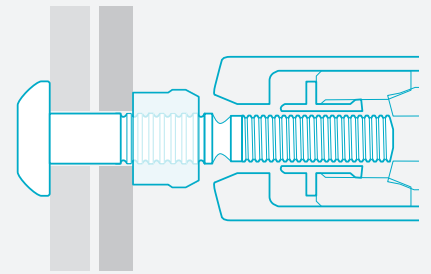
- ✓ High fatigue life
- ✓ Consistent, uniform clamp force

Unlike threaded fasteners, the C50L HuckBolt delivers consistent installation results. High costs of calibrating, maintaining, and replacing tools are eliminated. Also, installation does not require expensive, highly experienced workers.

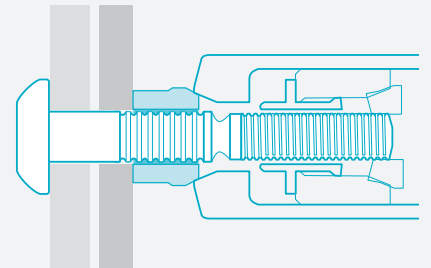
## Secure, Fast Installation



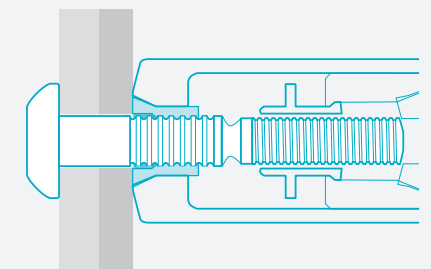
- 1 Swaged-on collar forms a permanent, vibration-proof connection.
- 2 Initial long length of fastener enables pull-out of large gaps.
- 3 Consistent, repeatable pre-load.



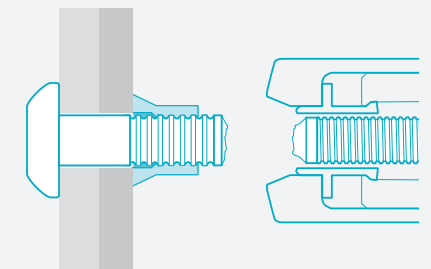
- 1 Insert pin into the prepared hole and the smooth bore collar is placed on the pin.



- 2 The installation tool is applied to the pintail. When the tool is activated, the jaws in the nose assembly pull on the pintail and the nose anvil pushes on the collar to remove any gap.

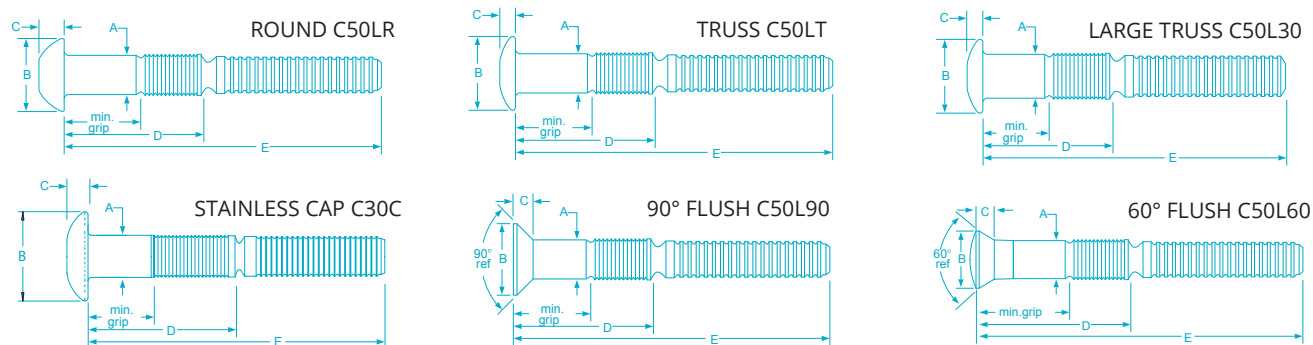


- 3 The nose anvil starts to swage the collar into the lockgrooves on the pin. Continued swaging causes the collar to lengthen and develop clamp.



- 4 When swaging of the collar into the lockgrooves is complete, the tool ejects the fastener and releases the puller to complete the sequence.

# Data and Dimensions



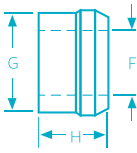
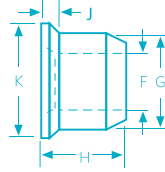
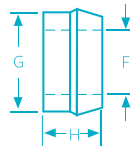
## Fastener Dimensions

| DIA.   | CODE | A             | ROUND HEAD    |             | TRUSS HEAD C50LT |             | C50L30        |             | 90° FLUSH HEAD |             | STAINLESS STEEL CAPPED HEAD |           | C50L60        |             |
|--------|------|---------------|---------------|-------------|------------------|-------------|---------------|-------------|----------------|-------------|-----------------------------|-----------|---------------|-------------|
|        |      |               | B             | C           | B                | C           | B             | C           | B              | C           | B                           | C         | B             | C           |
| 1/2"   | 16   | .493 - .515   | .870 - .940   | .310 - .320 | .875 - .938      | .215 - .260 | 1.027 - 1.09  | .251 - .281 | .870 - .940    | .225 - .239 | —                           | v         | —             | —           |
| 5/8"   | 20   | .617 - .642   | 1.086 - 1.196 | .367 - .432 | 1.086 - 1.196    | .267 - .432 | 1.288 - 1.375 | .298 - .328 | 1.093 - 1.183  | .284 - .300 | 1.33 - 1.44                 | .33 - .39 | —             | —           |
| 3/4"   | 24   | .740 - .770   | 1.328 - 1.438 | .455 - .530 | 1.328 - 1.438    | .323 - .398 | —             | —           | 1.312 - 1.417  | .350 - .380 | —                           | c         | 1.101 - 1.125 | .337 - .357 |
| 7/8"   | 28   | .865 - .900   | 1.540 - 1.660 | .530 - .580 | 1.540 - 1.660    | .395 - .445 | —             | —           | 1.531 - 1.655  | .396 - .430 | —                           | —         | 1.298 - 1.338 | .393 - .413 |
| 1"     | 32   | 1.025 - .990  | 1.750 - 2.000 | .590 - .650 | —                | —           | —             | —           | 1.750 - 1.895  | .473 - .501 | —                           | —         | 1.478 - 1.522 | .454 - .474 |
| 1-1/8" | 36   | 1.095 - 1.125 | 2.000 - 2.125 | .656 - .720 | —                | —           | —             | —           | —              | —           | —                           | —         | 1.661 - 1.715 | .506 - .526 |
| 1-3/8" | 44   | 1.400 - 1.350 | 2.470 - 2.590 | .815 - .880 | —                | —           | —             | —           | 2.448 - 2.572  | .648 - .703 | —                           | —         | —             | —           |

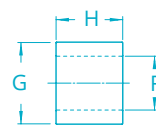
## Grip Tables\*

| GRIP | GRIP RANGE    | 1/2" (16) |       | 5/8" (20) |       | 3/4" (24) |       | 7/8" (28) |       | 1" (32) |       | 1-1/8" (36) |       | 1-3/8" (44)                   |
|------|---------------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|---------|-------|-------------|-------|-------------------------------|
|      |               | D         | E     | D         | E     | D         | E     | D         | E     | D       | E     | D           | E     | GRIP RANGE                    |
| 4    | .250 - .500   | 1.213     | 3.172 | 1.433     | 3.656 | 1.518     | 4.156 | —         | —     | —       | —     | —           | —     | Up to 34.25"<br>Call for Data |
| 8    | .500 - .750   | 1.463     | 3.422 | 1.683     | 3.906 | 1.768     | 4.406 | 1.921     | 4.688 | 2.073   | 5.375 | —           | —     |                               |
| 12   | .750 - 1.000  | 1.713     | 3.672 | 1.933     | 4.156 | 2.018     | 4.656 | 2.171     | 4.938 | 2.323   | 5.625 | —           | —     |                               |
| 16   | 1.000 - 1.250 | 1.963     | 3.922 | 2.183     | 4.406 | 2.268     | 4.906 | 2.421     | 5.188 | 2.573   | 5.875 | —           | —     |                               |
| 20   | 1.250 - 1.500 | 2.213     | 4.172 | 2.433     | 4.656 | 2.518     | 5.156 | 2.671     | 5.438 | 2.823   | 6.125 | —           | —     |                               |
| 24   | 1.500 - 1.750 | 2.463     | 4.422 | 2.683     | 4.906 | 2.768     | 5.406 | 2.921     | 5.688 | 3.073   | 6.375 | —           | —     |                               |
| 28   | 1.750 - 2.000 | 2.713     | 4.672 | 2.933     | 5.156 | 3.018     | 5.656 | 3.171     | 5.938 | 3.323   | 6.625 | —           | —     |                               |
| 32   | 2.000 - 2.250 | 2.963     | 4.922 | 3.183     | 5.406 | 3.268     | 5.906 | 3.421     | 6.188 | 3.573   | 6.875 | —           | —     |                               |
| 36   | 2.250 - 2.500 | 3.213     | 5.172 | 3.433     | 5.656 | 3.518     | 6.156 | 3.671     | 6.438 | 3.823   | 7.125 | —           | —     |                               |
| 40   | 2.500 - 2.750 | 3.463     | 5.422 | 3.683     | 5.906 | 3.768     | 6.406 | 3.921     | 6.688 | 4.073   | 7.375 | —           | —     |                               |
| 44   | 2.750 - 3.000 | 3.713     | 5.672 | 3.933     | 6.156 | 4.018     | 6.656 | 4.171     | 6.938 | 4.323   | 7.625 | —           | —     |                               |
| 48   | 3.000 - 3.250 | 3.963     | 5.922 | 4.183     | 6.406 | 4.268     | 6.906 | 4.421     | 7.188 | 4.573   | 7.875 | —           | —     |                               |
| 52   | 3.250 - 3.500 | 4.213     | 6.172 | 4.433     | 6.656 | 4.518     | 7.156 | 4.671     | 7.438 | 4.823   | 8.125 | —           | —     |                               |
| 56   | 3.500 - 3.750 | 4.463     | 6.422 | 4.683     | 6.906 | 4.768     | 7.406 | 4.921     | 7.688 | 5.073   | 8.375 | 5.250       | 8.563 |                               |
| 60   | 3.750 - 4.000 | 4.713     | 6.672 | 4.933     | 7.156 | 5.018     | 7.656 | 5.171     | 7.938 | 5.323   | 8.625 | 5.500       | 8.813 |                               |
| 64   | 4.000 - 4.250 | 4.963     | 6.922 | 5.183     | 7.406 | 5.268     | 7.906 | 5.421     | 8.188 | 5.573   | 8.875 | 5.750       | 9.063 |                               |
| 68   | 4.250 - 4.500 | 5.213     | 7.172 | 5.433     | 7.656 | 5.518     | 8.156 | 5.671     | 8.438 | 5.823   | 9.125 | 6.000       | 9.313 |                               |
| 72   | 4.500 - 4.750 | 5.463     | 7.422 | 5.683     | 7.906 | 5.768     | 8.406 | 5.921     | 8.688 | 6.073   | 9.375 | 6.250       | 9.563 |                               |
| 76   | 4.750 - 5.000 | 5.713     | 7.672 | 5.933     | 8.156 | 6.018     | 8.656 | —         | —     | 6.323   | 9.625 | 6.500       | 9.813 |                               |
| 80   | 5.000 - 5.250 | 5.963     | 7.922 | —         | —     | —         | —     | —         | —     | 6.573   | 9.875 | 6.750       | 1.063 |                               |
| 84   | 5.250 - 5.500 | —         | —     | —         | —     | —         | —     | —         | —     | 6.823   | 1.125 | 7.000       | 1.313 |                               |
| 88   | 5.500 - 5.750 | —         | —     | —         | —     | —         | —     | —         | —     | 7.073   | 1.375 | 7.250       | 1.563 |                               |
| 92   | 5.750 - 6.000 | —         | —     | —         | —     | —         | —     | —         | —     | 7.323   | 1.625 | 7.500       | 1.813 |                               |

\*All grips are calculated using a LC collar

Standard-LC  
LC-2RFlanged-3LC<sup>1</sup>Low Profile-8LC<sup>2</sup>

AC-R44



<sup>1</sup> When using a 3LC collar the minimum grip is equal to the Min grip using a LC collar - "nominal J", Maximum grip is equal to the Max grip using the LC collar - "nominal J" ("J" represents the flange thickness of the 3LC)

<sup>2</sup> When using an 8LC collar - Min grip is equal to LC Min Grip (See Table), Max Grip is equal to Min grip + grip range + "L" ("L" is the difference in height between the 8LC and LC collars.)

## Collar Dimensions

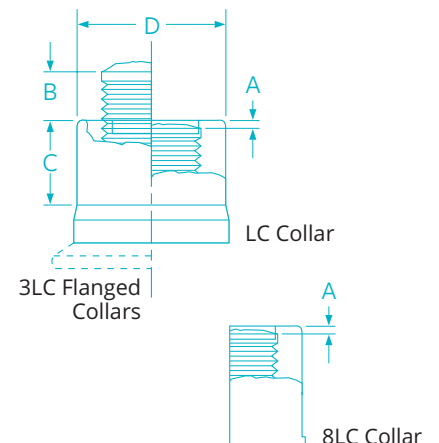
| STYLE  | DIA.   | F             | G             | H             | J           | K             | L           |
|--------|--------|---------------|---------------|---------------|-------------|---------------|-------------|
| LC     | 1/2"   | .515 - .540   | .765 - .800   | .610 - .645   | —           | —             | —           |
|        | 5/8"   | .650 - .665   | .970 - .985   | .845 - .875   | —           | —             | —           |
|        | 3/4"   | .776 - .790   | 1.165 - 1.180 | .930 - .960   | —           | —             | —           |
|        | 7/8"   | .896 - .920   | 1.355 - 1.375 | 1.083 - 1.120 | —           | —             | —           |
|        | 1"     | 1.030 - 1.050 | 1.550 - 1.575 | 1.235 - 1.280 | —           | —             | —           |
|        | 1-1/8" | 1.150 - 1.180 | 1.740 - 1.770 | 1.390 - 1.440 | —           | —             | —           |
| 3LC    | 1/2"   | .510 - .535   | .793 - .807   | .726 - .756   | .094-.156   | .969 - 1.031  | —           |
|        | 5/8"   | .650 - .665   | .980-.996     | .929 - .959   | .125-.187   | 1.218 - 1.281 | —           |
|        | 3/4"   | .776 - .790   | 1.170-1.195   | 1.109 - 1.155 | .156-.218   | 1.480 - 1.525 | —           |
|        | 7/8"   | .896 - .920   | 1.360 - 1.370 | 1.293-1.339   | .187- .250  | 1.570 - 1.615 | —           |
|        | 1"     | 1.030 - 1.050 | 1.550 - 1.565 | 1.485- 1.515  | .218- .281  | 1.843 - 1.906 | —           |
|        | 1-1/8" | 1.160 - 1.175 | 1.750 - 1.760 | 1.675- 1.715  | .273 - .289 | 2.105 - 2.145 | —           |
| 8LC    | 1/2"   | .515-.535     | .780 - .800   | .470 - .500   | —           | —             | .140 -.145  |
|        | 5/8"   | .640 - .665   | .972 - .982   | .670 - .700   | —           | —             | .175        |
|        | 3/4"   | .775 - .790   | 1.165 - 1.180 | .715 - .745   | —           | —             | .215        |
|        | 7/8"   | .910 - .930   | 1.360 - 1.375 | .833 - .863   | —           | —             | .250 - .257 |
|        | 1"     | 1.030 - 1.050 | 1.552 - 1.568 | .950 - .980   | —           | —             | .285 - .300 |
| AC-R44 | 1-3/8" | 1.409-1.419   | 2.147-2.157   | 1.738 - 1.762 | —           | —             | —           |

## Installed Fastener Values

| DIA.   | HOLE DATA (MAX HOLE) | CARBON STEEL PINS<br>LC-2R OR 3LC-2R COLLARS<br>(MIN LBF) |       |         | 2024C ALUMINUM PINS<br>LC-F OR 3LC-F COLLARS<br>(MIN LBF) |       |         | 6061F ALUMINUM PINS<br>LC-I OR 3LC-I COLLARS<br>(MIN LBF) |       |         | CARBON STEEL PINS<br>8LC-2R COLLARS<br>(MIN LBF) |       |         |
|--------|----------------------|---|-------|---------|---|-------|---------|---|-------|---------|--|-------|---------|
|        |                      | SHEAR   | CLAMP | TENSILE | SHEAR   | CLAMP | TENSILE | SHEAR   | CLAMP | TENSILE | SHEAR  | CLAMP | TENSILE |
| 1/2"   | .563                 | 14400   | 12050 | 17050   | 7300  | 5900  | 7850    | 5300  | 4400  | 4900    | 14400  | 9650  | 13650   |
| 5/8"   | .688                 | 22500   | 19200 | 27100   | 11400   | 9200  | 12300   | 8300  | 6900  | 7670    | 22500  | 15360 | 21700   |
| 3/4"   | .813                 | 32400   | 28400 | 40100   | 16400   | 13300 | 17700   | 11900   | 9950  | 11040   | 32400  | 22720 | 32100   |
| 7/8"   | .938                 | 43400   | 39250 | 55450   | S P E C I A L O R D E R O N L Y                           |       |         |   |       |         | 43400  | 31400 | 44350   |
| 1"     | 1.063                | 56500   | 51500 | 72700   |   |       |         |   |       |         | 56500  | 41200 | 58150   |
| 1-1/8" | 1.188                | 69500   | 58450 | 82950   | —   | —     | —       | —   | —     | —       | 69500  | 46760 | 66360   |
| 1-3/8" | 1.500                | 100000  | 85000 | 129500  | —   | —     | —       | —   | —     | —       | —  | —     | —       |

## Inspection Data

| DIA.   | PIN PART NO.  | LC COLLAR | 3LC COLLAR | 8LC COLLAR | A MAX | B MAX | C MIN | D MAX |
|--------|---------------|-----------|------------|------------|-------|-------|-------|-------|
| 1/2"   | C50L( )-( )16 | LC-2R16G  | 3LC-2R16G  | 8LC-2R16G  | .063  | .375  | .406  | .733  |
| 5/8"   | C50L( )-( )20 | LC-2R20G  | 3LC-2R20G  | 8LC-2R20G  | .063  | .375  | .625  | .916  |
| 3/4"   | C50L( )-( )24 | LC-2R24G  | 3LC-2R24G  | 8LC-2R24G  | .063  | .375  | .656  | 1.110 |
| 7/8"   | C50L( )-( )28 | LC-2R28G  | 3LC-2R28G  | 8LC-2R28G  | .063  | .375  | .750  | 1.282 |
| 1"     | C50L( )-( )32 | LC-2R32G  | 3LC-2R32G  | 8LC-2R32G  | .063  | .375  | .875  | 1.465 |
| 1-1/8" | C50LR-BR36    | LC-2R36G  | —          | 8LC-2R36G  | .063  | .625  | .906  | 1.646 |
| 1-3/8" | C50LR-BR44    | AC-R44U   | —          | —          | .188  | .688  | 1.250 | 2.020 |



# Ordering Information

Follow the form below to construct a part number for ordering C50L pins and their respective collars.  
Refer to the Grip Tables (page 4) for grip numbers.

**Pins** C50L (HEAD STYLE) - (MATERIAL) (DIAMETER) - (GRIP NUMBER) - (COATING)

**Example:** C50LR-BR16-4 is a C50L HUCKBOLT fastener, Round Head, Carbon Steel, 1/2" Diameter, Grip 4

| BOLT HEAD STYLE | PREFIX | BOLT MATERIAL                             | CODE | DIA.   | CODE | GRIP                           | FINISH                            | SUFFIX    |
|-----------------|--------|---|------|--------|------|--------------------------------|-----------------------------------|-----------|
| Round           | R      | Carbon Steel                              | BR   | 1/2"   | 16   | Refer to Grip Tables on page 4 | Zinc Plate, Clear Chromate .0003" | G         |
| Truss           | T      | Aluminum 2024 and 6061 special order only |      | 5/8"   | 20   |                                | Zinc Plate, Clear Chromate .0004" | GA        |
| Stainless Cap   | C      |   |      | 3/4"   | 24   |                                | Geomet - 1 Coat                   | NP        |
| Large Truss     | 30     |   |      | 7/8"   | 28   |                                | Geomet - 2 Coat                   | D1        |
| 90° Flush       | 90     |   |      | 1"     | 32   |                                | Geomet - 3 Coat                   | DL        |
| 60° Flush       | 60     | Stainless Steel available on request      |      | 1-1/8" | 36   |                                | Oil Finish                        | no suffix |
|                 |        |   |      | 1-3/8" | 44   |                                |                                   |           |

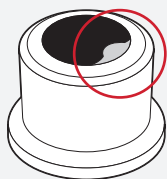
**Collars** (COLLAR STYLE) - (MATERIAL) (DIAMETER) (COATING) (OPTIONS)

**Example:** LC-2R16G is a Standard Collar, Low Carbon Steel, 1/2" Diameter, Zinc Finish

| COLLAR STYLE     | PREFIX | MATERIAL                    | CODE | DIAMETER | CODE | COATING                              | CODE | OPTIONS | SUFFIX |
|------------------|--------|-----------------------------|------|----------|------|--------------------------------------|------|---------|--------|
| Standard         | LC-    | Low Carbon Steel            | 2R   | 1/2"     | 16   | Zinc                                 | G    | Tab-Lok | L      |
| Flanged          | 3LC-   | Aluminum special order only |      | 5/8"     | 20   | Additional coating options available |      |         |        |
| Low Profile      | 8LC-   |                             |      | 3/4"     | 24   |                                      |      |         |        |
| Low Profile (44) | AC-R44 |                             |      | 7/8"     | 28   |                                      |      |         |        |
|                  |        |                             |      | 1"       | 32   |                                      |      |         |        |
|                  |        |                             |      | 1-1/8"   | 36   |                                      |      |         |        |
|                  |        |                             |      | 1-3/8"   | 44   |                                      |      |         |        |

## Tab-Lok™

The optional Tab-Lok feature makes sure the collar stays on the pin, before installation, in overhead and down slanted pin placements.



# Installation Tooling

## Hydraulic Tools & Nose Assemblies

| NOSE ASSEMBLY | SIZE   | TOOL MODEL |         |         |         |         |         |          |
|---------------|--------|------------|---------|---------|---------|---------|---------|----------|
|               |        | 2620       | 2620PT  | 2624    | 3585    | 2630    | 507     | 12142    |
|               | 1/2"   | 99-5000    | 99-5002 | 99-5021 | 99-5021 | —       | —       | —        |
|               | 5/8"   | —          | —       | 99-5008 | 99-5008 | —       | —       | —        |
|               | 3/4"   | —          | —       | —       | 99-5010 | —       | —       | —        |
|               | 7/8"   | —          | —       | —       | —       | 99-5014 | —       | —        |
|               | 1"     | —          | —       | —       | —       | —       | 99-5016 | —        |
|               | 1-1/8" | —          | —       | —       | —       | —       | 99-5019 | —        |
|               | 1-3/8" | —          | —       | —       | —       | —       | —       | Integral |



## Tooling Weight and Dimensions

| MODEL         | WEIGHT        | LENGTH      | HEIGHT | WIDTH |
|---------------|---------------|-------------|--------|-------|
| 2620/2620-PT* | 1.4/11.0 lbs. | 6.60"/1.10" | 7.0"   | 2.82" |
| 2624          | 13.9 lbs.     | 7.37"       | 7.73"  | 3.48" |
| 3585          | 18.5 lbs.     | 7.84"       | 1.36"  | 4.02" |
| 2630          | 22.3 lbs.     | 7.90"       | 8.65"  | 4.44" |
| 507           | 43.4 lbs.     | 15.50"      | 6.00"  | 5.40" |
| 12142         | 6.0 lbs.      | 11.76"      | 6.56"  | 6.56" |

For limited clearance installation tools contact manufacturer.

\* Pass through

## Huck Powerig® Hydraulic Units

| MODEL 918/918-5  | MODEL 940  | MODEL 913H (NOT SHOWN)                        | MODEL 968 (NOT SHOWN)                        |
|--|--|---|--|
| High-production applications   | Portable; production and repair                      | Portable; production and repair               | Portable; production and repair              |
| 918 powers 2 tools (2 gpm/tool)<br>918-5 powers 3 tools (1.3 gpm/tool) | 70 in. <sup>3</sup> /min. flow rate (.3 gpm)         | 139 in. <sup>3</sup> /min. flow rate (.6 gpm) | 70 in. <sup>3</sup> /min. flow rate (.3 gpm) |
| Electrically powered; 220, 440, or 550 volts, 3 phase                  | Electrically powered; 115 or 220 volts, single phase | Gasoline powered                              | Air powered; 50 cfm (.024 m <sup>3</sup> /s) |
| Weighs 585/601 lbs. without hydraulic fluid                            | Weighs 66 lbs. without hydraulic fluid               | Weighs 122 lbs. without hydraulic fluid       | Weighs 75 lbs. without hydraulic fluid       |
| 44"L x 25"W x 30"H   | 13.9"L x 16.1"W x 18.5"H                             | 24"L x 21"W x 27"H                            | 1.45"L x 16.33"W x 15.68"H                   |



Powerig Model 918/918-5



Powerig Model 940





# Howmet Fastening Systems

## Industrial Division Brands



### North America

#### Waco Operations

PO Box 8117  
8001 Imperial Drive  
Waco, TX 76714-8117  
Tel: +1 800-388-4825  
Fax: +1 800-798-4825  
[huck.waco@howmet.com](mailto:huck.waco@howmet.com)

#### Tracy Operations

1925 North MacArthur Drive  
Tracy, CA 95376  
Tel: +1 800-826-2884  
Fax: +1 800-573-2645  
[sales.idg@howmet.com](mailto:sales.idg@howmet.com)

#### Kingston Operations

1 Corporate Drive  
Kingston, NY 12401  
Tel: +1 800-278-4825  
Fax: +1 845-334-7333  
[sales.kingston@howmet.com](mailto:sales.kingston@howmet.com)

### Global

#### Telford Operations

Unit C, Stafford Park 7  
Telford, Shropshire  
England TF3 3BQ  
Tel: +44 (0) 1952-290011  
Fax: +44 (0) 1952-290459  
[sales.telford@howmet.com](mailto:sales.telford@howmet.com)

#### Melbourne Operations

1508 Centre Road  
Clayton, Victoria  
Australia 3168  
Tel: +613-8545-3333  
Fax: +613-8545-3390  
[hfsmel.sales@howmet.com](mailto:hfsmel.sales@howmet.com)

#### Tokyo Operations (Japan & Korea)

8F CIRCLES Nihonbashi-  
Bakurocho Bldg  
1-5-12 Nihonbashi-Bakurocho  
103-0002 Tokyo Japan  
Tel: +81-3-5642-8360  
Tel: +81-3-5642-8361 x8365  
Fax: +81-3-5644-5772

#### Suzhou Operations

58 Yinsheng Road,  
SIP Suzhou, Jiangsu  
215126 China  
Tel: +86-512-62863800-8888

[hfsindustrial.com](http://hfsindustrial.com)

[YouTube.com/HFSIndustrial](https://www.youtube.com/HFSIndustrial)

The information contained in this publication is only for general guidance, and is not intended to create any warranty, express, implied, or statutory; all warranties are contained only in Howmet Fastening Systems' written quotations, acknowledgments, and/or purchase orders. It is recommended that the user secure specific, up-to-date data and information regarding each application and/or use of such products.