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PIPING PRODUCTS



INSTRUMENTATION



VALVES AND ACTUATORS



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INDENT SERVICE



HYDRAULIC



TOOLING



For absolute reliability and seamless installation, contact Prochem for your tooling needs.

Prochem Installation and Safety Training improves the overall safety of your fluid system installations to ensure installation integrity and reliability.

Train your staff with Prochem!!



RIDGID® 600 SERIES Lever Benders



The RIDGID® 600 Series Lever Benders are designed to easily bend materials such as copper, steel, stainless steel and other hard metal tube to a maximum of 180°. Built-in rollers and a heavy-duty handle design combine to produce high quality bends with greatly reduced effort when compared to conventional benders.

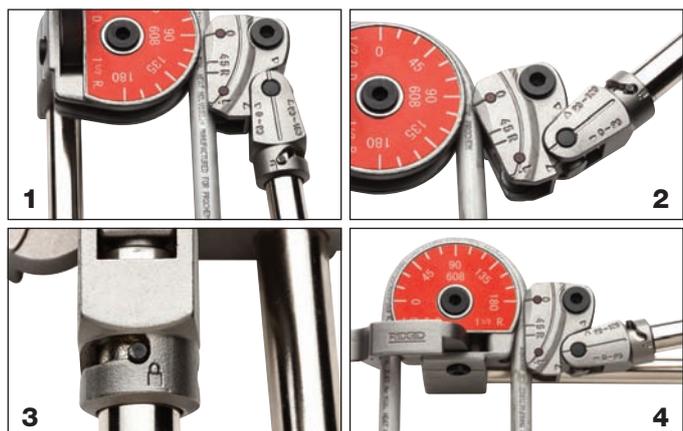
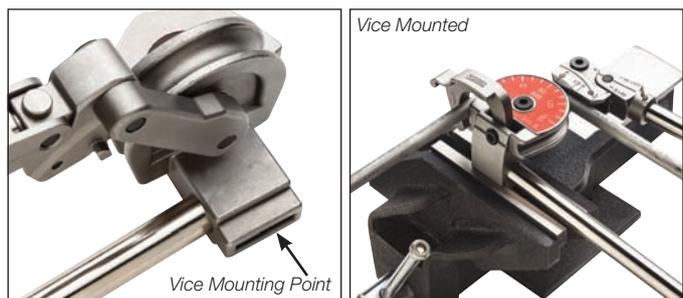
| Part Number | Tube OD | Bend Radius |
|-------------|---------|-------------|
| 38028 | 3/16" | 5/8" |
| 38033 | 1/4" | 5/8" |
| 38038 | 5/16" | 15/16" |
| 38043 | 3/8" | 15/16" |
| 38048 | 1/2" | 1-1/2" |
| 38053 | 6 mm | 16 mm |
| 38058 | 8 mm | 24 mm |
| 38058 | 10 mm | 24 mm |
| 38063 | 12 mm | 38 mm |

The benders can be used either hand held or with the bender mounted in a vice. Vice mounting is especially useful when bending hard or thick walled materials.

The benders have inbuilt features allowing users to make 180° bends without removing the tube or the handles from the bender. Further, you do not have to cross the handles to make the 180° bend. This is unlike other benders where removal of the tube or handles and crossing of the handles is common meaning the **RIGID 600 Series Lever Benders** are by far the easiest to use.

The instructions are shown below.

1. Once the tube has been bent 90°, turn the carriage handle so that the pin moves to the “unlock” position.
2. Rotate the handle around the carriage until the 90-180° triangle mark on the handle aligns with the triangle mark on the carriage.
3. Turn the carriage handle so that the pin moves toward the “lock” position. Make sure the handle is secure to the carriage.
4. Continue to bend the tube to the desired angle up to 180°. The handles will not cross.





35S STAINLESS STEEL TUBING CUTTER

The 35S has been designed for optimised performance on Stainless Steel Tube.

Features:

- Six individual bearings replace traditional rollers. The bearings create a smoother cut, and allow for increased speed around the tube.
- A contoured frame allows for easy alignment while adjusting the cutter to make the cut.
- Specially designed Stainless Steel cutter wheel contains bearings in the hub, to decrease drag around the tube for a smoother cut.
- Ergonomic knob allows for easy adjustments.

| Part Number | Model Number | Description | Tube OD | |
|-------------|--------------|---|---------|--------------|
| | | | mm | inch |
| 29963 | 35S | Stainless Steel Tubing Cutter with Cutter Wheel | 6 to 35 | 1/4 to 1-3/8 |
| 29973 | E635 | Replacement Stainless Steel Cutter Wheel | | |



223S/227S INNER-OUTER REAMERS

Features:

- Integrated measurement tool allows you to easily measure pipe size.
- 227S features 45 cutting edges on the Inner and Outer cone allowing for fast, clean Inner reaming and Outer deburring. The 223S features 36 cutting edges.

| Part Number | Model Number | Description | Tube OD | |
|-------------|--------------|--------------------|----------|----------------|
| | | | mm | inch |
| 29983 | 223S | Inner-Outer Reamer | 9 to 32 | 3/8" to 1-1/4" |
| 29993 | 227S | Inner-Outer Reamer | 12 to 51 | 1/2" to 2" |



127S INNER-OUTER REAMERS

Specifically manufactured for Prochem, the blades have been designed to enable easy and more efficient deburring of 6.3 mm (1/4") OD tubing.

Capable of use on tubing up to 38 mm (1-1/2") OD.

| Part Number | Model Number | Description | Tube OD | |
|-------------|--------------|--------------------|---------|----------------|
| | | | mm | inch |
| 43573 | 127S | Inner-Outer Reamer | 6 to 38 | 1/4" to 1-1/2" |

RATCHET TUBE WRENCHES

Models R9 – R14

Features:

- Made from a high-quality carbon and stainless steel, RIDGID Ratchet.
- Tube Wrenches can be used in a wide variety of applications from plumbing to hydraulics.
- The spring-loaded jaws snap open and close around the fitting, enabling the tool to be used in tight quarters.
- The multi-point contact of the wrench helps prevent distortion of thin-walled fittings.



| Part Number | Model Number | Description | Capacity | GYROLOK® Nut |
|-------------|--------------|------------------------|----------|--------------|
| 48552 | R9 | Ratcheting Tube Wrench | 9/16" | 1/4" |
| 48562 | R11 | Ratcheting Tube Wrench | 11/16" | 3/8" |
| 48577 | R14 | Ratcheting Tube Wrench | 7/8" | 1/2" |

GYROGAGE – GG



A calibrated instrument designed to give installer and inspector absolute confidence that a fitting has been made-up properly.

| Features | Benefits |
|---|--|
| Missing ferrule indicator: | Maximises system safety by confirming that all components are in place. |
| Scribing tool: | Assures proper assembly by marking tubing to show that it has been properly inserted into fitting, and that fitting has been properly tightened. |
| Usable by both assembler and post assembly inspector: | Redundant method of verification. |
| Color-coded gauges: | Simplifies selection of appropriate system gauge: metric (blue) or fractional (green). |
| Size markings: | Simplifies selection of appropriate size gauge. |
| Single tool per size: | Eliminates need for extra tools; use one tool for installation and inspection, even for hard-to-reach assemblies. |
| Choice of marking methods: | Adds flexibility to assembly and inspection with choice of marking systems: built-in scriber or separate ink marker*. |



| Part Number | Tube Size | | Replacement Scribers* |
|-------------------------|-----------|------|--------------------------|
| | mm | inch | |
| Fractional Sizes | | | |
| 1GG | 1.58 | 1/16 | SPGGK1 |
| 2GG | 3.18 | 1/8 | SPGGK2 |
| 3GG | 4.76 | 3/16 | SPGGK3 |
| 4GG | 6.35 | 1/4 | SPGGK4 |
| 6GG | 9.53 | 3/8 | SPGGK4 |
| 8GG | 12.70 | 1/2 | SPGGK4 |
| 10GG | 15.88 | 5/8 | SPGGK5 |
| 12GG | 19.05 | 3/4 | SPGGK5 |
| 14GG | 22.23 | 7/8 | SPGGK5 |
| 16GG | 25.40 | 1 | SPGGK5 |

| Part Number | Tube Size | | Replacement Scribers* |
|---------------------|-----------|--|--------------------------|
| | mm | | |
| Metric Sizes | | | |
| 3GG/MM | 3 | | SPGGK2 |
| 6GG/MM | 6 | | SPGGK4 |
| 8GG/MM | 8 | | SPGGK4 |
| 10GG/MM | 10 | | SPGGK4 |
| 12GG/MM | 12 | | SPGGK4 |
| 14GG/MM | 14 | | SPGGK5 |
| 16GG/MM | 16 | | SPGGK5 |
| 18GG/MM | 18 | | SPGGK5 |
| 20GG/MM | 20 | | SPGGK5 |
| 22GG/MM | 22 | | SPGGK5 |
| 25GG/MM | 25 | | SPGGK5 |

* GYROGAGE scribers can be quickly and easily replaced using the referenced kit numbers.

GYROLOK[®] Marking Tool – GMT

The GYROLOK[®] Marking Tool provides the installer with an economical means of ensuring both proper tubing insertion into the fitting and adequate nut tightening.

| Part Number | Size |
|-------------|--------------------|
| 2GMT | 1/8" |
| 4GMT | 1/4" |
| 6GMT | 3/8" |
| 8GMT | 1/2" |
| 10GMT | 5/8" |
| 12GMT | 3/4" |
| 16GMT | 1" |
| 468GMT | 1/4" + 3/8" + 1/2" |



Hydraulic Pre-setting Tool – HPST

Larger tube fittings often require more effort to assemble properly than can be consistently achieved using hand wrenches. HOKE® offers a portable Hydraulic Pre-setting Tool to make the assembly of larger fittings:

- Safer. The Hydraulic Pre-setting Tool helps assure consistently correct assembly of larger fittings.
- Simpler. Interchangeable die sets allow easy conversion from one tube and fitting size to another.
- More cost-efficient. Using the Hydraulic Pre-setting Tool extends fitting life and reduces assembly time.



Using the portable Hydraulic Pre-setting Tool, the GYROLOK® nut and ferrule system is initially set onto the tubing. The pre-set fitting and tube assembly is then easily installed by following the GYROLOK® reassembly instructions.

How it works

GYROLOK® nut and ferrule system components are assembled onto Hydraulic Pre-Setting Tool. Hand pump is operated until indicator arm releases.

Pre-set tube assembly is ready for installation using standard GYROLOK® remake instructions.

| Features | Benefits |
|---|---|
| One basic pre-setting head for all sizes: | Provides versatility and value by covering sizes from 1/2" through 2" and 12 mm through 50 mm. |
| Interchangeable die sets: | Allows easy conversion from one tube and fitting size to another. |
| 10,000 psi hydraulic pump: | Provides the force necessary for consistent, fast, and simple fitting assembly. |
| Carrying case: | Rugged steel carrying case offers easy transportation as well as a single storage location for all tool components. |

Pre-setting Tool – PST

Where limited space prevents easy tightening of the fitting nut, the PST can be used pre-swage the ferrules to the tubing to ensure correct tightening and ultimately a well made-up fitting.



| Part Number | Tube OD | Dimensions — inches | |
|-------------|---------|---------------------|--------------|
| | | Length | Across Flats |
| 1PST | 1/16 | 2.25 | 3/8 |
| 2PST | 1/8 | 1.94 | 11/16 |
| 3PST | 3/16 | 2 | 1/2 |
| 4PST | 1/4 | 1.94 | 11/16 |
| 6PST | 3/8 | 1.97 | 11/16 |
| 8PST | 1/2 | 2 | 7/8 |
| 12PST | 3/4 | 2.50 | 1 1/8 |
| 16PST | 1 | 2.50 | 1 1/2 |

| Part Number | Tube OD | Dimensions — mm | |
|-------------|---------|-----------------|--------------|
| | | Length | Across Flats |
| 3PSTMM | 3 | 49.2 | 17.3 |
| 6PSTMM | 6 | 49.0 | 17.3 |
| 8PSTMM | 8 | 50.0 | 17.3 |
| 10PSTMM | 10 | 50.8 | 17.3 |
| 12PSTMM | 12 | 50.8 | 22.0 |
| 14PSTMM | 14 | 50.8 | 22.0 |
| 16PSTMM | 16 | 63.5 | 28.4 |
| 18PSTMM | 18 | 63.5 | 28.4 |
| 20PSTMM | 20 | 63.5 | 28.4 |
| 22PSTMM | 22 | 63.5 | 37.9 |
| 25PSTMM | 25 | 63.5 | 37.9 |





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