

Universal Hydraulik-Bördelgerät

- 1 Klemmbacken 4,75 mm ISO
- 2 Klemmbacken 5,00 mm ISO
- 3 Klemmbacken 6,00 mm ISO
- 4 Klemmbacken 1/4"
- 5 Klemmbacken 1/4" Connect
- 6 Druckstück OP0
- 7 Druckstück OP2
- 8 Druckstück OP1 (1/4" & 6 mm)
- 9 Druckstück 4,75 mm ISO
- 10 Druckstück 5 mm ISO
- 11 Druckstück 6 mm ISO
- 12 Druckstück 1/4" Connect
- 13 Spannkegel
- 14 Griff
- 15 Halter
- 16 Hydraulikeinheit



VORBEREITUNG

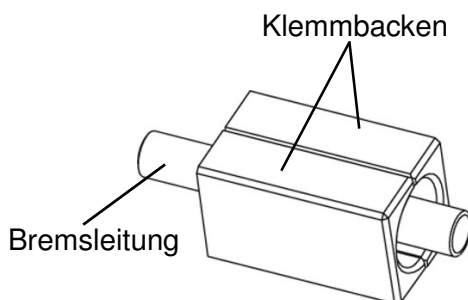
- Entlastungsventil öffnen, Kolben zurückschieben und im Anschluss danach das Ventil fest verschließen.
- Hydraulikzylinder im Uhrzeigersinn in den Halter drehen. Druckstücksitz muss innen am Halter herausragen.
- Bremsleitung entgraten.

SICHERHEITSHINWEIS

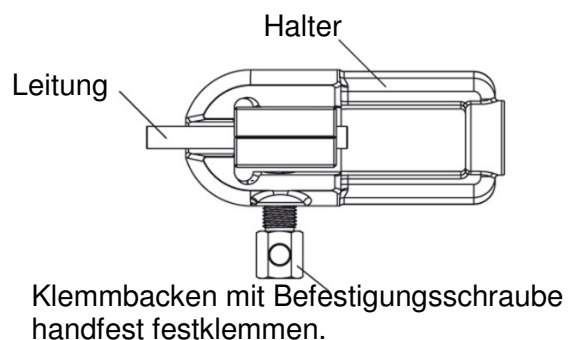
ACHTUNG! Bei Verwendung des Werkzeugs eine Schutzbrille tragen.

VERWENDUNG

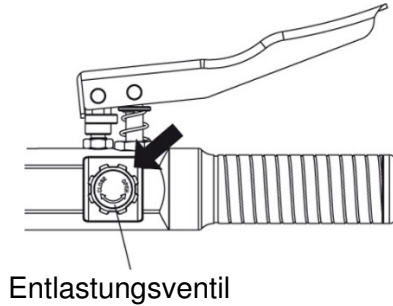
1. Benötigte Klemmbacken wählen und Leitung zwischen den Klemmbacken einsetzen.



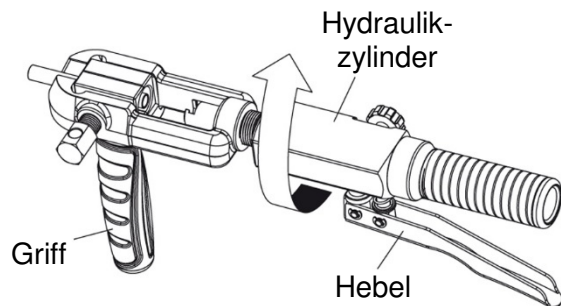
2. Klemmbacken mit Leitung in den Halter einlegen und festklemmen.



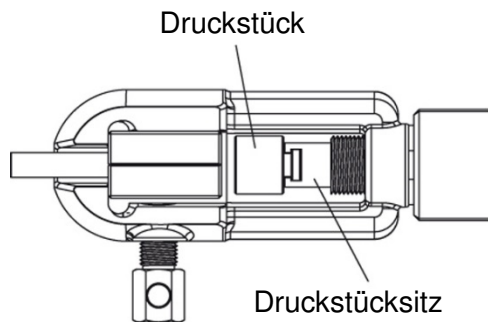
3. Entlastungsventil öffnen, Kolben vollständig zurück drücken und Ventil fest verschließen.



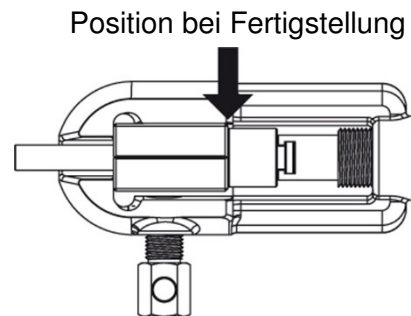
4. Griff installieren, Halter am Griff festhalten und Hydraulikzylinder bis zum Anschlag in den Halter drehen.



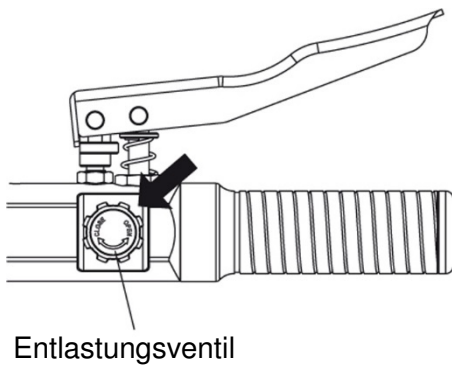
5. OP0 Druckstück in den Druckstücksitz einsetzen.



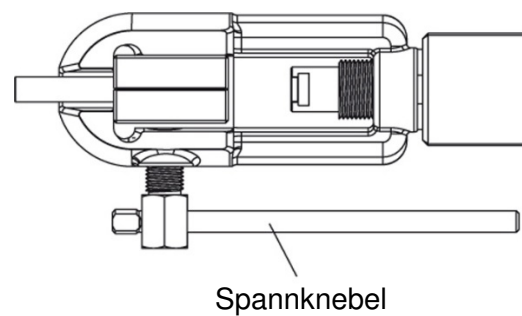
6. Hebel am Hydraulikzylinder solange betätigen, bis die Druckstückkante an den Klemmbucken anliegt.



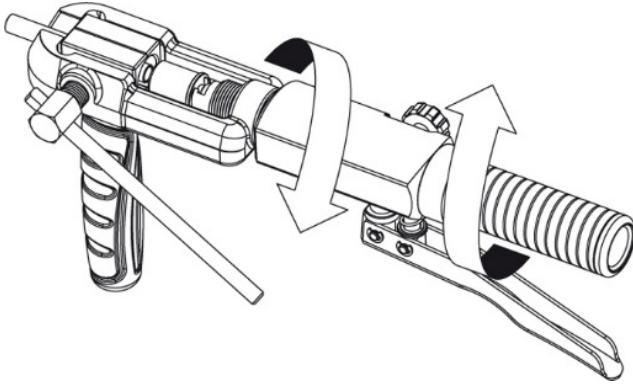
7. Entlastungsventil öffnen, Kolben vollständig zurück drücken, Ventil wieder fest verschließen und OP0 Druckstück entfernen.



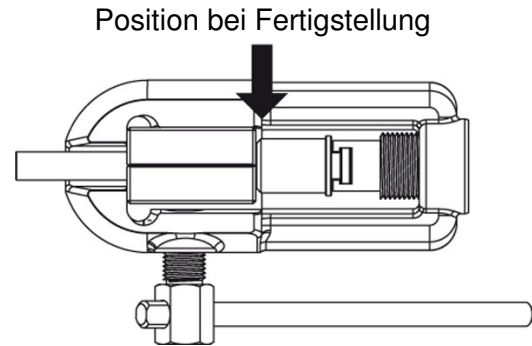
8. Klemmbucken mit Schraube und Spannknebel festklemmen.



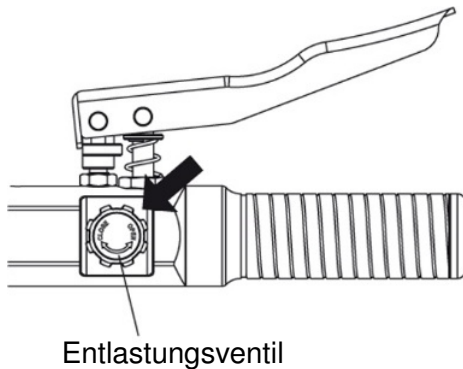
9. Hydraulikzylinder 3 Umdrehungen, zum Einsetzen des erforderlichen Druckstücks, gegen den Uhrzeigersinn drehen. Anschließend wieder im Uhrzeigersinn bis zum Anschlag drehen.



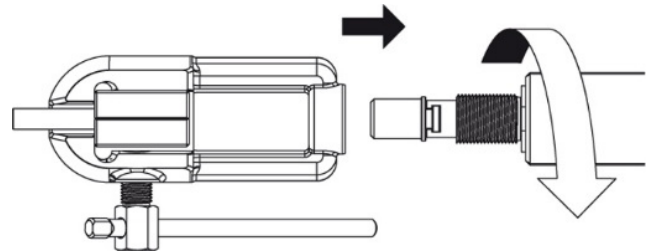
10. Hydraulikhebel betätigen bis die Druckstückkante an den Klammbacken anliegt.



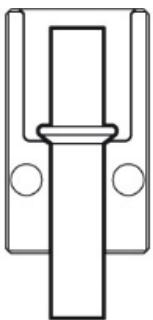
11. Entlastungsventil 1/2 Umdrehung öffnen und danach wieder verschließen.



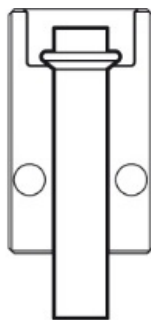
12. Werkzeug am Griff festhalten und Hydraulikzylinder, zum Entfernen des Druckstücks, gegen den Uhrzeigersinn herausdrehen.



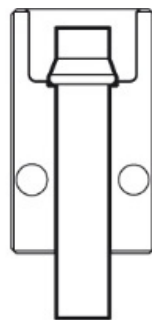
13. Befestigungsschraube mit Spannknebel lösen, Klammbacken und Leitung entfernen. Die gebördelte Leitung sollte dem jeweiligen Bördelungstyp entsprechen (siehe Abbildung unten).



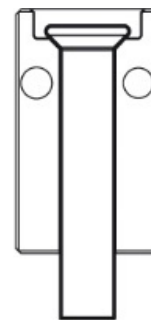
CONNECT



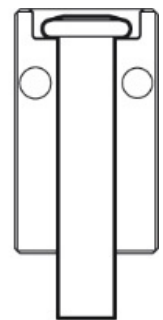
GM



GM-TC



45° & DOUBLE



ISO

Universal Hydraulic Flaring Tool

- 1 Die Set 4,75 mm ISO
- 2 Die Set 5,00 mm ISO
- 3 Die Set 6,00 mm ISO
- 4 Die Set 1/4"
- 5 Die Set 1/4" Connect
- 6 Adaptor OP0
- 7 Adaptor OP2
- 8 Adaptor OP1 (1/4" & 6 mm)
- 9 Adaptor 4,75 mm ISO
- 10 Adaptor 5 mm ISO
- 11 Adaptor 6 mm ISO
- 12 Adaptor 1/4" Connect
- 13 Sliding bar
- 14 Handle
- 15 Yoke
- 16 Hydraulic unit



PRE-OPERATION SET-UP

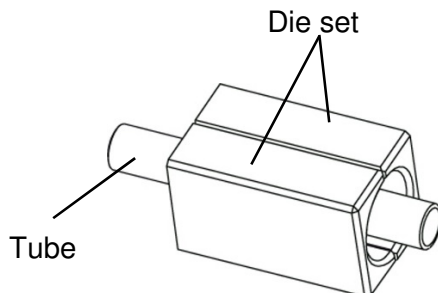
- Open the relief valve to release the pressure, than close tightly.
- Rotate the yoke fully counter-clockwise to bottom out the adapter seat.
- Deburr the tube.

SAFETY ADVISE

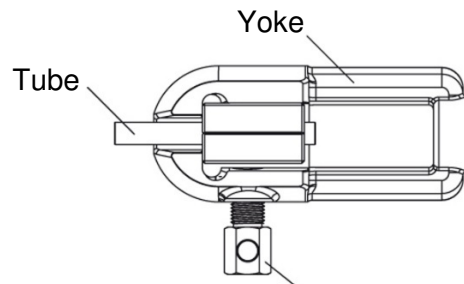
WARNING! Wear safety goggles when using this tool.

OPERATING INSTRUCTIONS

1. Choose the correct die set and insert the tube between the dies

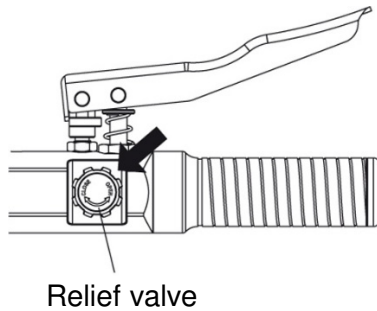


2. Insert and tighten the dies and tubing into the yoke

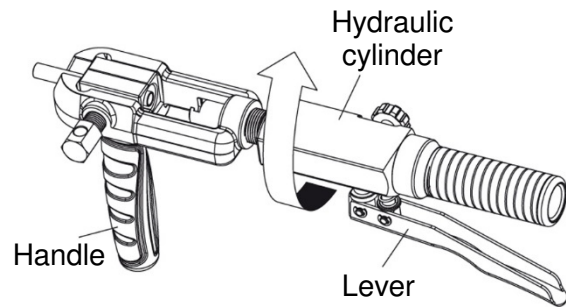


Securely fasten die by turning fixing screw clockwise with your hands.

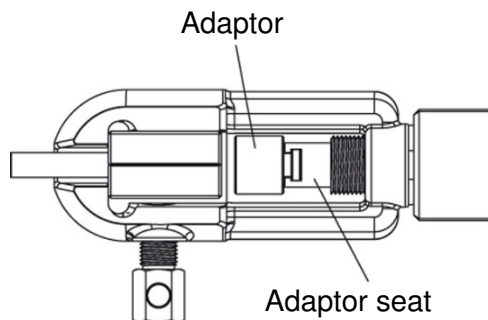
3. Open the relief valve to fully recess piston, then close tightly



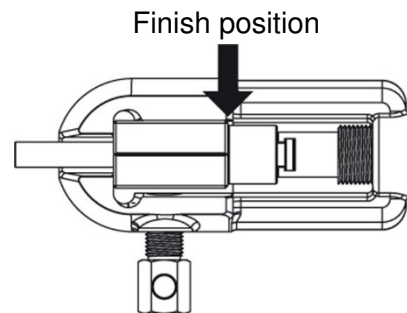
4. Grasp the handle and rotate the hydraulic cylinder clockwise until it stops.



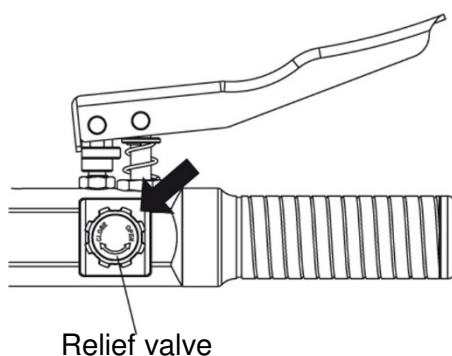
5. Place the OP0 adapter onto the adapter seat on the end of the piston.



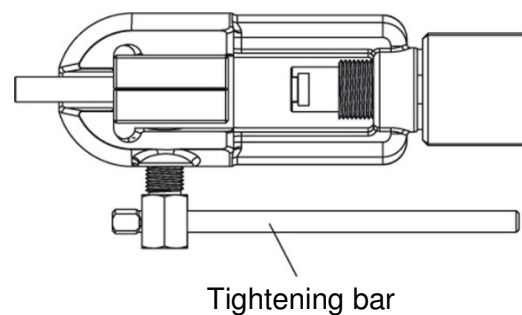
6. Begin squeezing the lever and continue until the edge of the adapter meets the die.



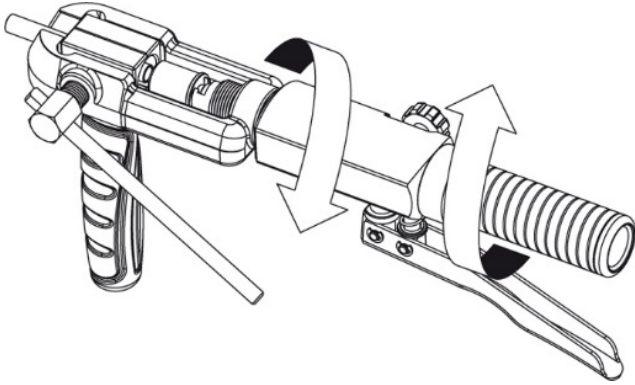
7. Open the relief valve to fully recess piston, then close tightly and remove the OP0 adapter.



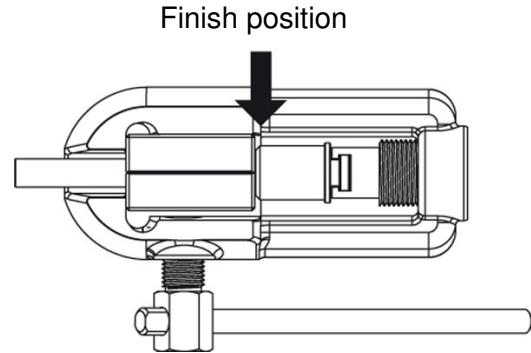
8. Securely fasten die by turning tightening bar clockwise.



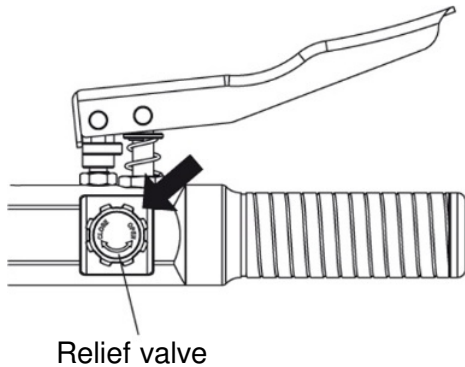
9. Rotate the tool counter-clockwise 3-round to place the adapter that you want to operate and rotate clockwise until it stops.



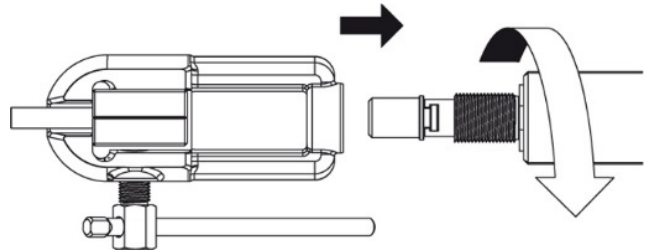
10. Squeeze the lever and continue until the edge of the adapter meets the die.



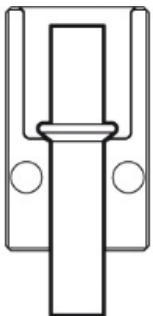
11. Open the relief valve 1/2-round, than close tightly.



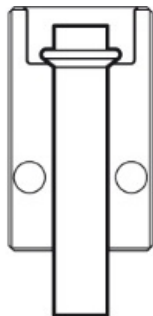
12. Grasp the handle and rotate the tool counter-clockwise to remove the adapter from the die.



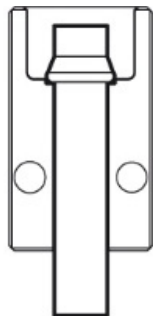
13. Then loosen the tightening bar and remove the tube. It should look something like the sketch below.



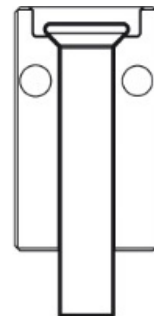
CONNECT



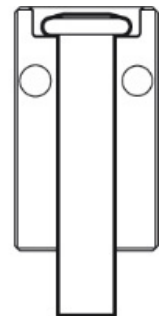
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