



HGH 40

Hydraulic 2-Finger long stroke gripper for the universal use in clean to slightly dirty environments.

Your advantages and benefits

- Hydraulic gripper with 120 mm stroke
- Compact design
- Low weight
- High gripping force
- Dirt and dust proof
- High reliability and long service life
- High axial and radial load capacity
- Suitable for O.D. and I.D. gripping
- Integrated positive locking device
- Multiple fastening possibilities

Note

CAD-data via E-mail: cad.cax.daten@de.schunk.com

Please contact us with your individual requirement.
You can reach the Team Gripping systems at:

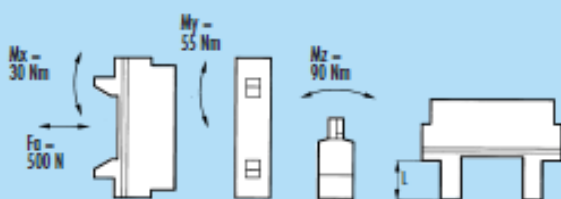
Technical Hotline +49-7133-103-2696
E-mail: automationsolution@de.schunk.com

HGH 40

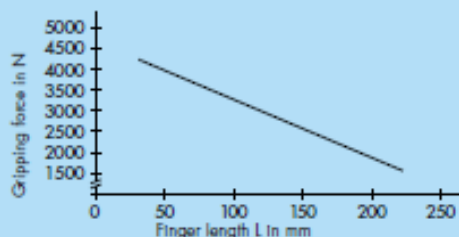
Technical data

Description	HGH 40	
Ident.-Nr.	ID	1386628
Stroke per jaw	[mm]	60
Closing- / opening force	[N]	3300
Weight	[kg]	6,6
Recommended workpiece weight	[kg]	16
Oil consumption per double stroke	[cm ³]	Opening: 76 / closing: 64
Nominal operating pressure	[bar]	60
Min./max. operating pressure	[bar]	30 / 60
Closing/opening time	[s]	1,3 / 1,3
Max. permitted finger length	[mm]	120
Min./max. ambient temperature	[°C]	5 / 60
Repeat accuracy	[mm]	0,1

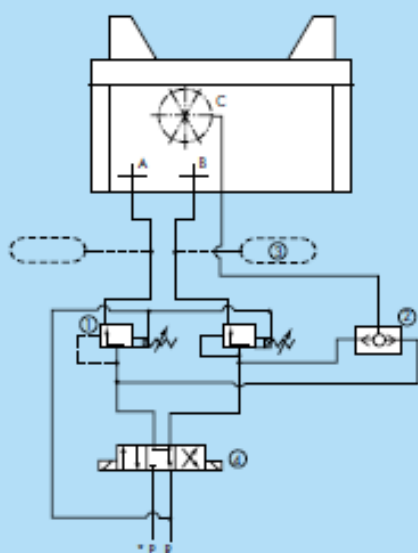
Maximum permissible forces and torques at the gripping fingers *



Gripping force in relation to the finger length



Block diagram with pressure valve as switching valve

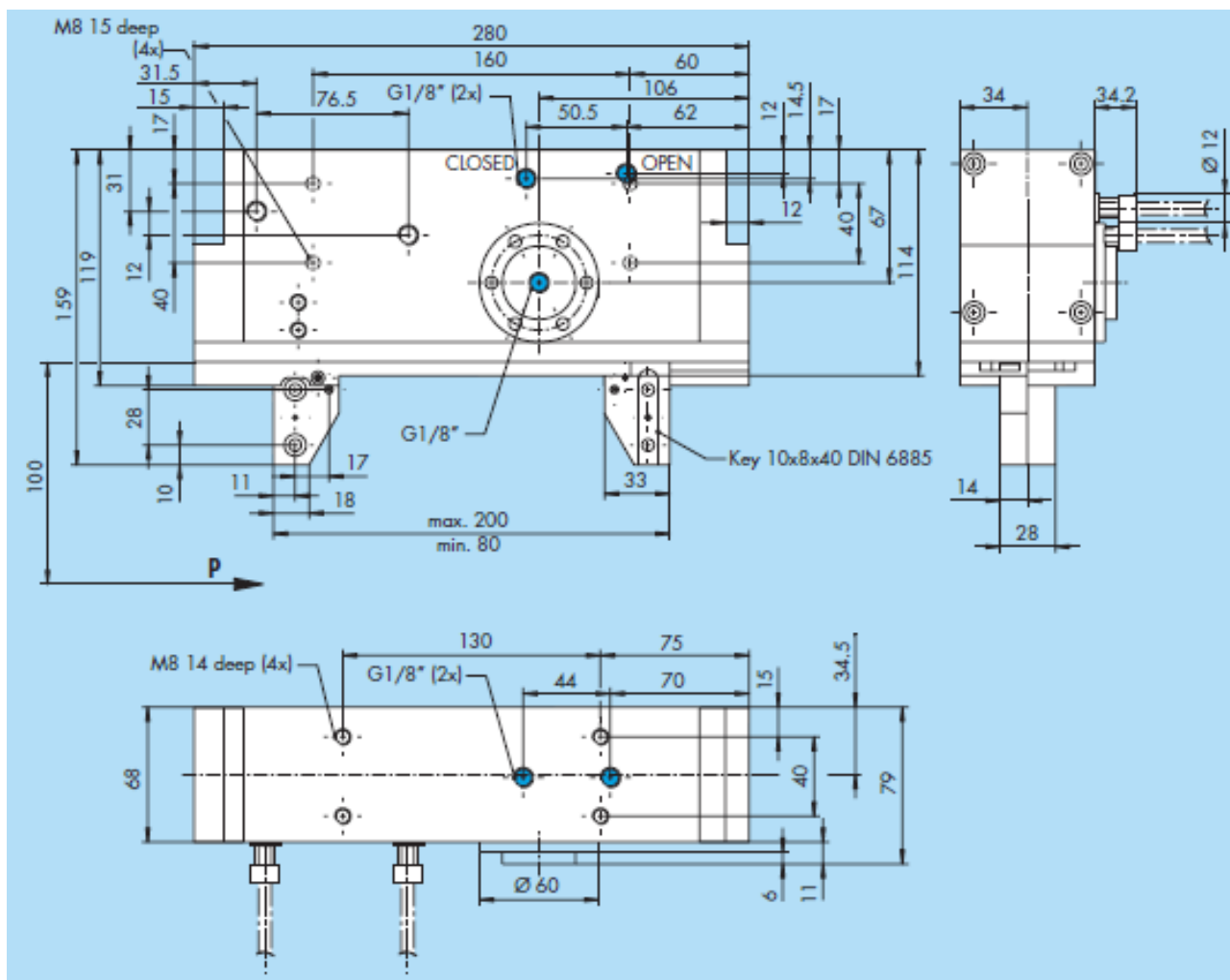


- ① Pressure valve used to set the switching sequence
- ② Shuttle valve (or-valve)
- ③ Pressure accumulator (optional)
- ④ 4/3 directional control valve, intermediate position is deaerated

* Piston speed is set such that the closing/opening time for a complete stroke is approx. 1.3 sec. at 60 bar. This corresponds to a volume flow of approx. 2.5 l/min. Medium: hydraulic oil, filtered (10 µm) viscosity 46 mm²/s at 40°C according to ISO VG max. temperature 60°C.

HGH 40

Main view



J. Lehmann

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seit 2012 SCHUNK-Markenbotschafter
für sicheres, präzises Greifen und Halten.
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