

## 2-jaw parallel self-centering pneumatic gripper (series HS)

- Specially suited for high speed machines.
- Very short closing/opening time.
- Low weight.
- Trouble free long life without maintenance.
- Long stroke.
- Reduced stroke (upon request).
- Optional magnetic sensors.
- FDA-H1 food-grade grease.



**HS-2012**

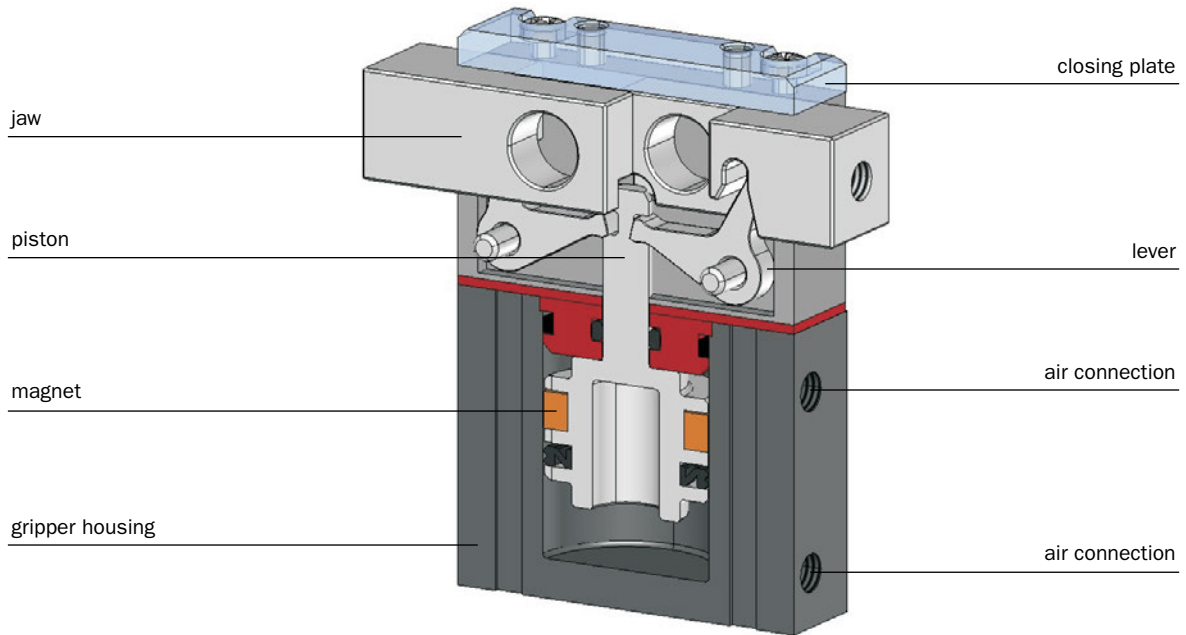


**HS-2518**

	HS-2012	HS-2518
Medium	Compressed air in compliance with ISO 8573-1:2010 [7:4:4]	
Operating pressure range	2.5 ÷ 8 bar	
Operating temperature range	5° ÷ 60°C.	
Opening gripping force at 6 bar on each jaw	60 N	90 N
Opening total gripping force at 6 bar	120 N	180 N
Closing gripping force at 6 bar on each jaw	55 N	83 N
Closing total gripping force at 6 bar	110 N	166 N
Total stroke	11.6 mm	17.6 mm
Maximum working frequency	6 Hz	5 Hz
Cycle air consumption	5 cm <sup>3</sup>	12 cm <sup>3</sup>
Closing / opening time minimum	0.007 s	0.018 s
Repetition accuracy	0.02 mm	0.02 mm
Weight	144 g	270 g

**Lay-out**

The gripper is driven by the piston rod, that operates the jaws by levers.

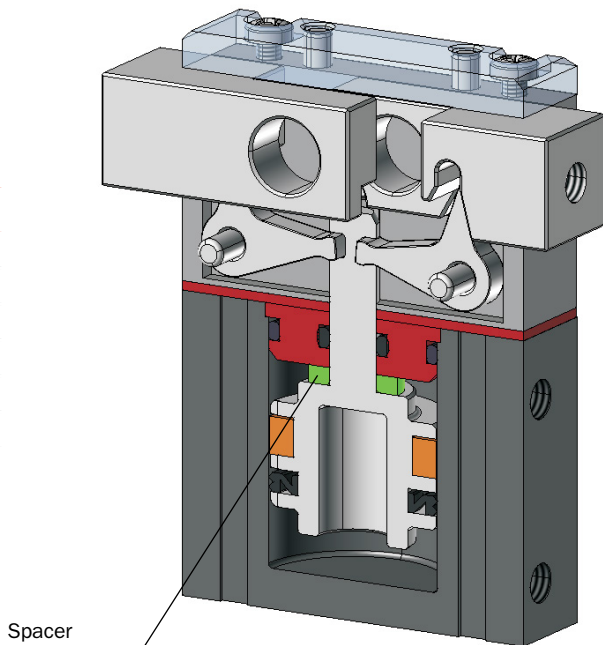


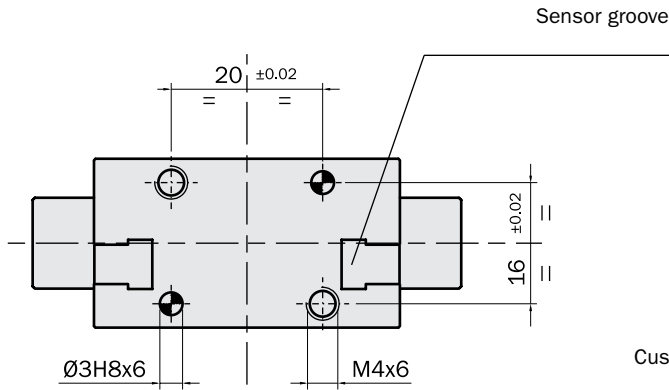
**Stroke reduction**

The stroke can be reduced by spacers which limit the jaw opening. In this way the opening and closing time can be further decreased.

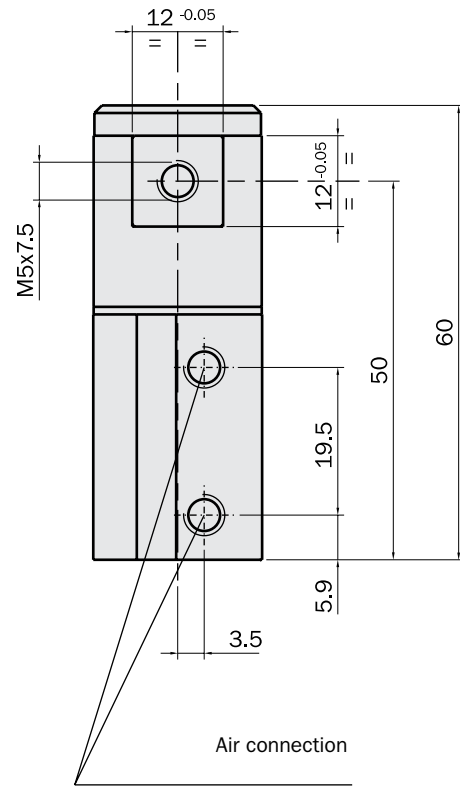
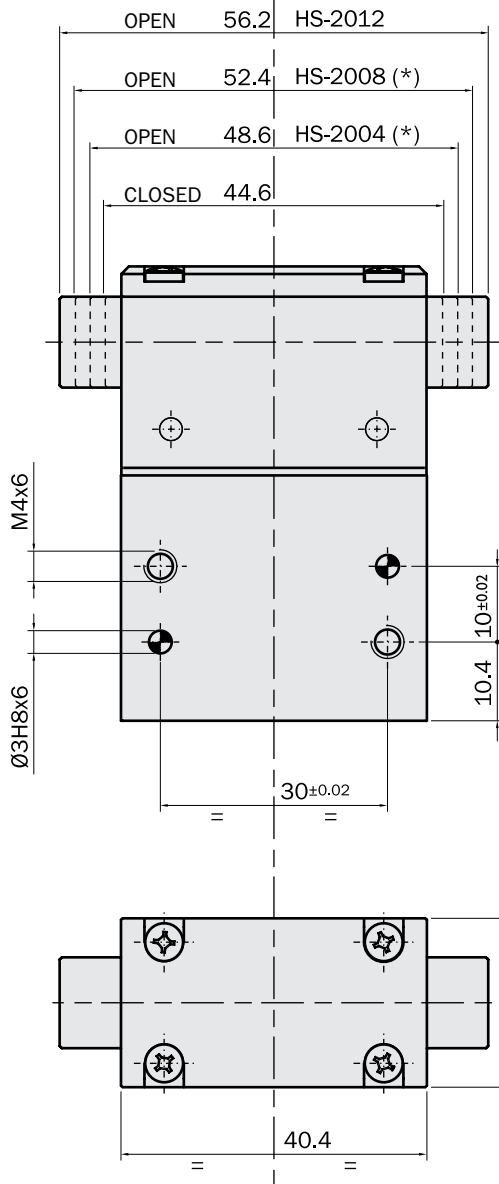
	Spacer	Stroke
HS-2012	/	2 x 5.8 mm
HS-2008 (*)	1 x XP-16-3	2 x 3.9 mm
HS-2004 (*)	2 x XP-16-3	2 x 2 mm
HS-2518	/	2 x 8.9 mm
HS-2512 (*)	1 x XA-26-3	2 x 6.1 mm
HS-2506 (*)	2 x XA-26-3	2 x 3.25 mm

Custom product (consult Factory)



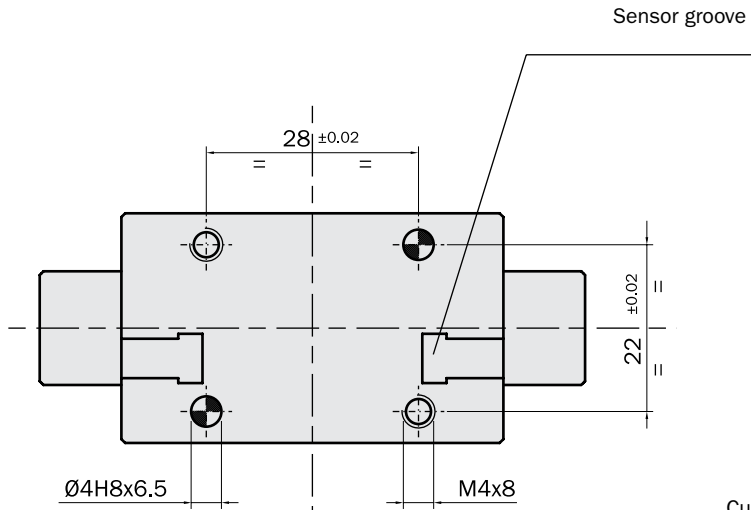


Custom product (consult Factory)

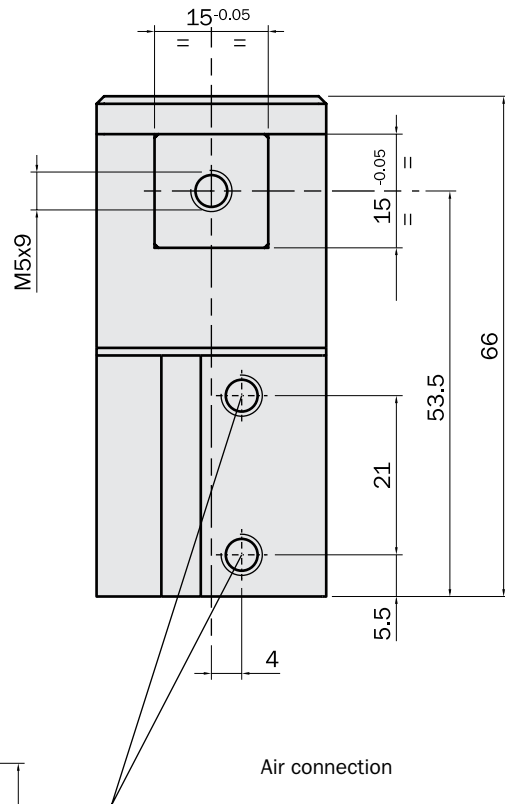
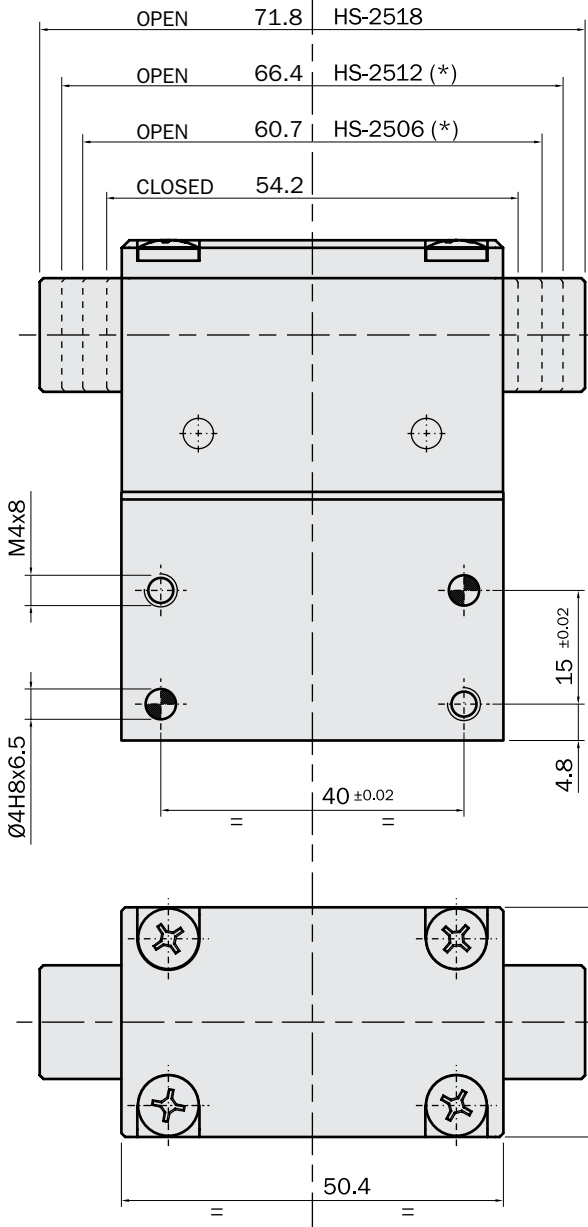


**Dimensions (mm)**

**HS-2518**



Custom product (consult Factory)



FIRST ANGLE PROJECTION