



## Magnetic grippers

HGR-SQ-040-FP-R-M-S

SKU: TPGC040088

## Product Features

<b>Description</b>	Magnetic gripper
<b>SKU</b>	TPGC040088
<b>Product key</b>	HGR-SQ-040-FP-R-M-S
<b>Size</b>	40 mm
<b>Switching</b>	Pneumatic: 2 compressed air connections or, 1 vacuum connection: see 'Gripper connection for vacuum control' (Document tab)
<b>Including</b>	Vulcanized friction pad for extra grip and product protection
<b>Advised working load</b>	47 N (under ideal conditions - with safety factor 3 acc. EN13155)
<b>Max. tear off force</b>	140 N (under ideal conditions - Graph: see Document tab - Factors influencing lifting capacity: see <a href="https://www.goudsmitmagnets.com/en/knowledge-base/about-magnetic-lifting.html">https://www.goudsmitmagnets.com/en/knowledge-base/about-magnetic-lifting.html</a> )
<b>Min. advised sheet thickness</b>	2 mm
<b>Interface/connection dim's</b>	Threaded hole M5 (4x), Threaded hole M8
<b>Connections</b>	Pneumatic: M5 (2x)
<b>Material friction pad/ring</b>	NBR 60° Shore A
<b>Material housing</b>	Aluminium, AISI316L (SS 1.4404) (screw cap)
<b>Surface treatment/finishing</b>	Anodized
<b>Colour</b>	Red
<b>Min./max. ambient temperature</b>	0 to 70 °C
<b>Switching pressure</b>	4 bar (recommended), 6 bar (max.), Vacuum pressure -0.3 bar (switch on)
<b>Magnetic system</b>	4 Permanent magnet poles
<b>Magnet quality</b>	Neodymium GSN-45, Br 13,700 gauss (at 20 °C), Tmax. 80 °C

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<https://www.goudsmitmagnets.com/solutions/magnetic-handling/lifting-handling-magnets/magnetic-grippers.html?sku=TPGC040088>

<b>Depth</b>	46 mm
<b>Width</b>	46 mm
<b>Height</b>	63 mm
<b>Weight</b>	0.23 kg
<b>Type</b>	Friction type
<b>Air consumption</b>	0.160 l/cycle (1x up, 1x down)