



## Magnetic grippers

HGR-SQ-070-FP-R-G-S

Article number: TPGC070088

## Product Features

|                                      |  |
|--------------------------------------|--|
| <b>Description</b>                   | Magnetic gripper   |
| <b>Article number</b>                | TPGC070088   |
| <b>Product key</b>                   | HGR-SQ-070-FP-R-G-S  |
| <b>Size</b>                          | 70 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>          | 128 N (under ideal conditions - with safety factor 3 acc. EN13155)   |
| <b>Max. tear off force</b>           | 380 N (under ideal conditions - Graph: see Downloads tab - Factors influencing lifting capacity: see /solutions/magnetic-handling) |
| <b>Min. advised sheet thickness</b>  | 2 mm   |
| <b>Interface/connection dim's</b>    | Threaded hole M6 (8x), Threaded hole M10   |
| <b>Connections</b>                   | Pneumatic: G1/8" (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>            | Max. 4 bar, Vacuum pressure -0.3 bar (switch on)   |
| <b>Magnetic system</b>               | 6 Permanent magnet poles   |
| <b>Magnet quality</b>                | Neodymium GSN-45, Br 13,700 gauss (at 20 °C), Tmax. 80 °C  |
| <b>Depth</b>                         | 76 mm  |
| <b>Width</b>                         | 76 mm  |
| <b>Height</b>                        | 71 mm  |
| <b>Weight</b>                        | 0.77 kg  |
| <b>Type</b>                          | Friction type  |
| <b>Air consumption</b>               | 0.568 l/cycle (1x up, 1x down)   |