

Magnetic wheels Neodymium-iron-boron (NdFeB)

Magnetic wheels with two-pole pitch made of NdFeB, bore with fit tolerance H7 and keyway



| Article number | D mm | d mm | H mm | b mm | h mm | Adhesive force* N | Temperature °C |
|----------------|---|------|--------------------------------------|------|------|-------------------|----------------|
| HRZ25 | 25 ^{+0.1} / _{-0.1} | 8 | 16 ^{+0.5} / _{-0.5} | 3 | 8.6 | 45 | 100 |
| HRZ32 | 32 ^{+0.1} / _{-0.1} | 10 | 18 ^{+0.5} / _{-0.5} | 4 | 11.1 | 65 | 100 |
| HRZ40 | 40 ^{+0.1} / _{-0.1} | 12 | 20 ^{+0.5} / _{-0.5} | 4 | 13.1 | 90 | 100 |
| HRZ50 | 50 ^{+0.1} / _{-0.1} | 16 | 25 ^{+0.5} / _{-0.5} | 5 | 17.3 | 140 | 100 |
| HRZ63 | 63 ^{+0.15} / _{-0.15} | 20 | 32 ^{+0.5} / _{-0.5} | 6 | 21.7 | 270 | 100 |
| HRZ80 | 80 ^{+0.15} / _{-0.15} | 25 | 40 ^{+0.5} / _{-0.5} | 8 | 26.7 | 380 | 100 |
| HRZ100 | 100 ^{+0.2} / _{-0.2} | 30 | 50 ^{+0.5} / _{-0.5} | 8 | 31.7 | 580 | 100 |
| HRZ125 | 125 ^{+0.2} / _{-0.2} | 40 | 62 ^{+0.5} / _{-0.5} | 12 | 42.1 | 1,000 | 100 |
| HRZ160 | 160 ^{+0.25} / _{-0.25} | 50 | 80 ^{+0.5} / _{-0.5} | 14 | 52.6 | 1,800 | 100 |

Magnetic wheels, also called magnetic rollers, are especially suitable for transporting sheet metals, tubes and profiles made of ferromagnetic materials. They offer a reliable solution for suspended and horizontal transport, even under difficult conditions. Due to their magnetic attraction, they attract the metal part to be conveyed and take over the function of a pressure roller.

* The forces have been determined at room temperature on a polished plate made of steel (S235JR according to DIN 10 025) with a thickness of 10 mm (1kg~10N). A deviation of up to -10% from the specified value is possible in exceptional cases. In general, the value is exceeded. The type of application (installation situation, temperatures, counter anchors, etc.) sometimes influence the forces enormously. The values given are for orientation purposes. Let our experts advise you.