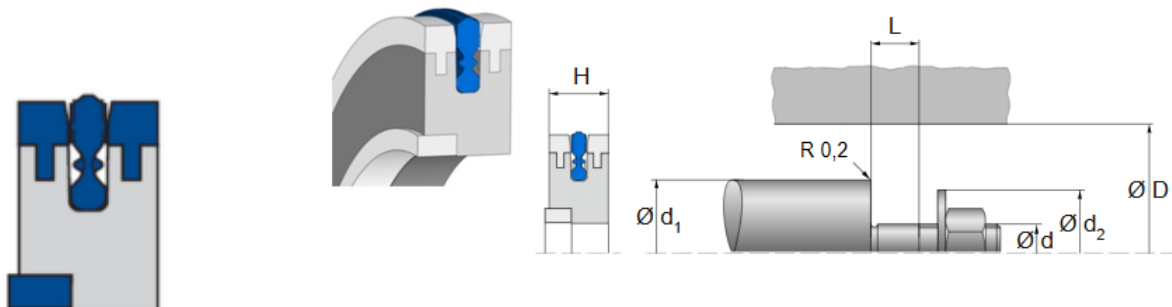


PNEUKO G

Pistone



Ricerca	Codice	Descrizione	d	D	Spessore	H Sede	Materiale	Peso
FREUDENBERG	01.PNE00.025006	PNEUKO G 428564 D.025x006x6	6.00	25.00	6.00	0.00	Nbr/metallo	200.00
FREUDENBERG	01.PNE00.080012	PNEUKO G 428568 D.080x012x010	12.00	80.00	10.00	0.00	Nbr/metallo	200.00
FREUDENBERG	01.PNE00.100012	PNEUKO G 428571 D.100x012x10/8,5	12.00	100.00	10.00	8.50	Nbr/metallo	195.05
FREUDENBERG	01.PNE00.125020	PNEUKO G 428572 D.125x020x012	20.00	125.00	12.00	0.00	Nbr/metallo	368.84
FREUDENBERG	01.PNE00.020006	PNEUKO G 430708 D.020x006x6	20.00	6.00	6.00	0.00	Nbr/metallo	200.00

MERKEL COMPLETE PISTON PNEUKO G



PRODUCT DESCRIPTION

Merkel complete piston with light alloy/polyamide body, snap-action seal and integrated guide.

PRODUCT ADVANTAGES

- Ready to fit Merkel complete piston with very low height to which pressure can be applied on both sides
- Easily fastened to the piston rod
- Integrated static seal on the inside diameter

APPLICATION

- Pneumatic cylinder without request, frequent special cylinder

MATERIAL

Seal

Material	Code	Hardness
Acrylonitrile-butadiene rubber	72 NBR 708	72 Shore A

Base plate

>25 mm

Material	Code	Hardness
Aluminium	Al	–

Base plate

≤25 mm

Material	Code	Hardness
Polyoxymethylene (poly-acetal)	POM 20 GF	–

Guide

>25 mm

Material	Code	Hardness
Polyamide	PA 4601	–

Guide

≤25 mm

Material	Code	Hardness
Polyoxymethylene (poly-acetal)	POM	–

Static seal

Material	Code	Hardness
Acrylonitrile-butadiene rubber	72 NBR 872	72 Shore A

OPERATING CONDITIONS

Medium	Prepared, dried and de-oiled compressed air (after greasing for fitting)
Operating pressure p	≤1,0 MPa
Temperature T	–20 ... +100 °C
Running speed v	≤1,0 m/s

DESIGN NOTES

Careful fitting is a prerequisite for the correct function of the seal.
→ Technical Manual. The complete piston is fitted to shouldered end of the piston rod and fastened with washers (up to and including Ø 25 DIN 125 ≥ Ø 25 DIN 1440) and a nut. The threaded fitting is to be protected against loosening.

SURFACE QUALITY

Peak-to-valley heights	R _{max}	R _a /R _z
Cylinder barrel	≤4 µm	<0,5 µm

t_p (25% R_{max}) = 50 ... 70%

→ Technical Manual.

FITTING & INSTALLATION

Prior to installation in the cylinder, grease all cylinder contact surfaces evenly. Do not introduce any grease into the piston groove.