TÜVRheinland ZERTIFIZIERT
Management System
ISO 14001:2015
ISO 9001:2015
IATF 16949:2016
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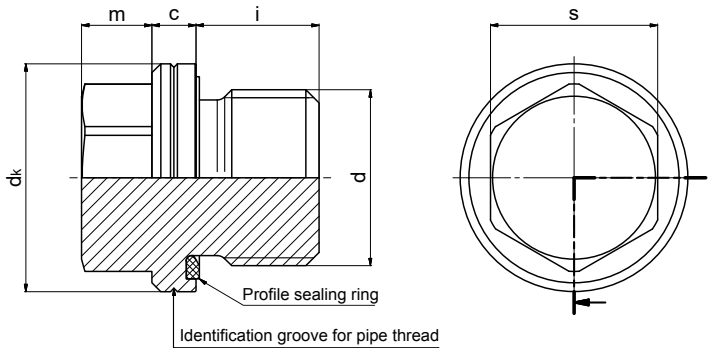
ID 9108619567

HN10-WD

Sealing plug

with elastic seal



Application areas:

- Mechanical engineering, gear manufacturing, automotive and many others
- for counter bores as per DIN 3852-2 and EN ISO 9974-1
- can be undone and screwed in repeatedly

Profile sealing ring acc. DIN 3869:

- NBR 85 Shore -30°C to +100°C (-22°F to +212°F)
- FKM 80 Shore -20°C to +200°C (-4°F to +392°F)
- other temperature ranges upon request

Material:

- Steel 11SMnPb30+C (1.0718) DIN EN 10227-3 ultrasonic and crack tested or “HD-quality”
- Stainless steel 1.4305 / 1.4571
- other materials upon request

Coating:

- Cr-(VI) free: nano passivated A3K/Zn Nano (ISO 4042)
- ZNNI as per VDA 235.104-25
- other coatings upon request

d			c	dk**	i	m	s	Tightening torque	Operating pressure	Weight
Metric fine thread DIN 13		Pipe thread DIN EN ISO 228	±0,5	h14	±0,2	±0,35	h14	Nm*	MPa*** (1 MPa = 10 bar)	~kg per 100 pieces
M8 x 1	–	–	4	12	8	6	8	8	40 MPa	0,90
M10 x 1	–	–	4	14	8	6	10	12	40 MPa	1,25
–	–	G 1/8 A	4	13,9	8	6	10	12	40 MPa	1,30
M12 x 1,5	–	–	5	17	12	6	13	25	40 MPa	2,30
–	–	G 1/4 A	5	18,9	12	6	13	30	40 MPa	2,85
M14 x 1,5	–	–	5	19	12	6	13	35	40 MPa	2,75
M16 x 1,5	–	G 3/8 A	5	21,9	12	6	17	50	40 MPa	4,45
M18 x 1,5	–	–	5	23,9	12	8	17	60	40 MPa	5,50
M20 x 1,5	–	–	5	25,9	14	8	19	70	40 MPa	7,10
–	–	G 1/2 A	5	26,9	14	8	19	80	40 MPa	7,55
M22 x 1,5	–	–	5	27	14	8	19	80	40 MPa	7,85
M24 x 1,5	–	–	5	29,9	14	9	22	95	40 MPa	10,20
M26 x 1,5	–	–	5	31,9	16	10	24	120	40 MPa	13,20
–	M27 x 2	G 3/4 A	5	31,9	16	10	24	135	40 MPa	13,65
M30 x 1,5	M30 x 2	–	6,5	36,9	16	10	24	190	40 MPa	17,50
M33 x 1,5	M33 x 2	G 1 A	6,5	39,9	16	11	27	225	40 MPa	20,60
M42 x 1,5	M42 x 2	G 1 1/4 A	6,5	49,9	16	12	30	360	25 MPa	33,55
M48 x 1,5	M48 x 2	G 1 1/2 A	6,5	55	16	12	30	400	25 MPa	40,50
–	–	G 2 A	6,5	68	20	15	36	650	25 MPa	72,85

* Recommendation for counter threads made of untempered steel. Its reaction depends on their material, coating and quality and must be verified by the customer in case of each specific application!

** Values that exceed the outer diameter „dk“ due to feed scoring and/or surface coating by up to 0.1 mm are acceptable.

*** Recommendation for a maximum operating pressure under industry-standard conditions. As the behaviour depends on certain facts such as pressure increase rate, number of cycles, temperature, viscosity and mating thread strength, it must be verified by the customer if operating circumstances are exeptionally tough. We are able to support our customers, if needed.