

# Blindstopfen / Verschluss-Schrauben

# Stopping Plugs

**HUGRO**<sup>®</sup>  
Qualität aus Waldkirch

Material: Messing vernickelt  
O-Ring: NBR oder FKM  
Einsatztemperatur: 548.10 -20°C bis 95°C  
548.13 -20°C bis 180°C  
Schutzart: IP 68/IP 69K  
Zertifikate: DMT 03 ATEX E 049  
IECEX BVS 07.0021

Material: brass, nickel-plated  
O-ring: NBR or FKM  
Temperature range: 548.10 -20°C to 95°C  
548.13 -20°C to 180°C  
Protection type: IP 68/IP 69K  
Certificates: DMT 03 ATEX E 049  
IECEX BVS 07.0021


**548.10**  
**548.13**

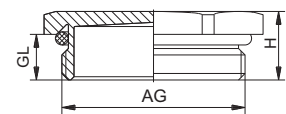
Weitere internationale Zulassungen vorhanden


Further international approvals available



**ATEX II 2G 1D**  
Ex e II

Gewinde Entry Thread AG	 mm	H mm	GL mm	V-Ms-Ex	NBR-O-Ring HUGRO No.
M 12 x 1,5	14	8	5	1.197.1200.50	<b>548.15.10</b>
M 16 x 1,5	19	9	6	1.197.1600.50	<b>548.17.10</b>
M 20 x 1,5	22	9,5	6	1.197.2000.50	<b>548.20.10</b>
M 25 x 1,5	30	10,5	7	1.197.2500.50	<b>548.25.10</b>
M 32 x 1,5	41	12,5	8	1.197.3200.50	<b>548.32.10</b>
M 40 x 1,5	46	13	8	1.197.4000.50	<b>548.40.10</b>
M 50 x 1,5	55	15	9	1.197.5000.50	<b>548.50.10</b>
M 63 x 1,5	70	16,5	10	1.197.6300.50	<b>548.63.10</b>
Pg 7	14	8	5	1.197.0700.01	<b>548.07.10</b>
Pg 9	17	9	6	1.197.0900.01	<b>548.09.10</b>
Pg 11	20	9,5	6	1.197.1100.01	<b>548.11.10</b>
Pg 13,5	22	10	6,5	1.197.1300.01	<b>548.13.10</b>
Pg 16	24	10	6,5	1.197.1600.01	<b>548.16.10</b>
Pg 21	30	10,5	7	1.197.2100.01	<b>548.21.10</b>
Pg 29	41	12,5	8	1.197.2900.01	<b>548.29.10</b>
Pg 36	50	13	8	1.197.3600.01	<b>548.36.10</b>
Pg 42	58	15	9	1.197.4200.01	<b>548.42.10</b>
Pg 48	65	16,5	10	1.197.4800.01	<b>548.48.10</b>



Gewinde Entry Thread AG	 mm	H mm	GL mm	V-Ms-FPM-Ex	FPM-O-Ring HUGRO No.
M 12 x 1,5	14	8	5	1.198.1200.50	<b>548.15.13</b>
M 16 x 1,5	19	9	6	1.198.1600.50	<b>548.17.13</b>
M 20 x 1,5	22	9,5	6	1.198.2000.50	<b>548.20.13</b>
M 25 x 1,5	30	10,5	7	1.198.2500.50	<b>548.25.13</b>
M 32 x 1,5	41	12,5	8	1.198.3200.50	<b>548.32.13</b>
M 40 x 1,5	46	13	8	1.198.4000.50	<b>548.40.13</b>
M 50 x 1,5	55	15	9	1.198.5000.50	<b>548.50.13</b>
M 63 x 1,5	70	16,5	10	1.198.6300.50	<b>548.63.13</b>
Pg 7	14	8	5	1.198.0700.01	<b>548.07.13</b>
Pg 9	17	9	6	1.198.0900.01	<b>548.09.13</b>
Pg 11	20	9,5	6	1.198.1100.01	<b>548.11.13</b>
Pg 13,5	22	10	6,5	1.198.1300.01	<b>548.13.13</b>
Pg 16	24	10	6,5	1.198.1600.01	<b>548.16.13</b>
Pg 21	30	10,5	7	1.198.2100.01	<b>548.21.13</b>
Pg 29	41	12,5	8	1.198.2900.01	<b>548.29.13</b>
Pg 36	50	13	8	1.198.3600.01	<b>548.36.13</b>
Pg 42	58	15	9	1.198.4200.01	<b>548.42.13</b>
Pg 48	65	16,5	10	1.198.4800.01	<b>548.48.13</b>



**Auf Anfrage:**

- in Edelstahl (1.4305)
- für Temperaturbereich -60°C bis 180°C
- für Zündschutzart Ex d in Edelstahl (1.4404)

**On request:**

- stainless steel (1.4305)
- for temperatur range -60°C to 180°C
- for ignition protection category Ex d in stainless steel (1.4404)