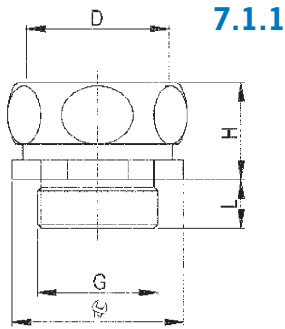


Kap./ Chap.	Produktgruppe	Product group	Seite/ Page
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7.9	Verschlussbolzen Blindscheiben Einschnittringe	Locking pins Blind discs Sealing /Packing rings	7.30



7.1.1

Entlüftungsstutzen

Material: Messing vernickelt
 Filterscheibe: Sinterbronze
 Einsatztemp.: Von -50°/+300°C
 Filtergrad: 4 (Filterfeinheit 0,05-0,075)
 Die Filterscheibe ist spritzwasser- und insektensicher

Venting connections

Material: Nickel-plated brass
 Filter disc: Sintered bronze
 Temp. range: -50°/+300°C
 Degree of filter: 4 (filter fineness 0,05-0,075)
 The filter disc is splash-proof and insect proof.

AGRO No	M/Pg	mm	mm	H mm	L mm	
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Anschlussgewinde metrisch

Entry thread metric

2117.928	M16x1,5	17	23/25	17	10	25
2120.928	M20x1,5	21	27/29	18	10	25
2125.928	M25x1,5	27	34/36	23	11	25
2132.928	M32x1,5	36	43/45	24	13	25

Anschlussgewinde Pg

Entry thread Pg

2111.928	Pg 11	22	28	18	7,0	50
2113.928	Pg 13	22	28	18	7,0	50
2116.928	Pg 16	22	28	18	7,0	50
2121.928	Pg 21	22	28/32	18	7,5	25



7.1.2

Richtungsfeststeller

Besonders geeignet für die richtungsstabile Montage von Winkeln.

Adjustable fixings

For mounting of elbows, which can not be turned during the assembly.

Material: Messing vernickelt
 O-Ring: NBR
 Einsatztemp.: Von -20°/+100°C

Material: Nickel-plated brass
 O-ring: NBR
 Temp. range: -20°/+100°C

Anschlussgewinde metrisch

Entry thread metric

5000.17.50	M16x1,5	18	14,0	6,0	50
5000.20.50	M20x1,5	22	14,5	6,5	50
5000.25.50	M25x1,5	28	17,0	7,0	50
5000.32.50	M32x1,5	35	17,0	8,0	50

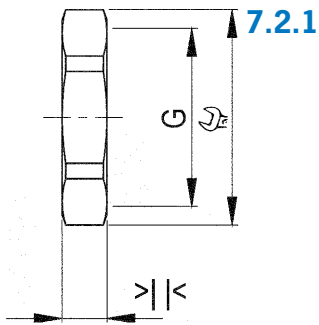
Anschlussgewinde Pg

Entry thread Pg

5009.50	Pg 9	17	13,5	6,0	50
5011.50	Pg 11	20	14,5	6,0	50
5013.50	Pg 13	22	15,0	7,0	50
5016.50	Pg 16	24	15,0	7,0	50
5021.50	Pg 21	30	18,0	7,0	25
5029.50	Pg 29	40	19,0	8,0	25

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.2.1

Gegenmuttern Messing

Lock-nuts nickel-plated brass

Material: Messing vernickelt
Ausführung: 6-kant

Material: Nickel-plated brass
Type: hexagonal design

AGRO
No



Gewinde metrisch

Thread metric

8000.06	M 6x1,0 ¹⁾	9	2,8	50
8000.08	M 8x1,25 ¹⁾	11	2,8	50
8000.10	M10x1,5 ¹⁾	13	2,8	50
8000.12	M12x1,5	15	3,0	50
8000.17	M16x1,5	19	3,0	50
8000.20	M20x1,5	24	3,5	50
8000.25	M25x1,5	30	3,5	25
8000.32	M32x1,5	36	4,5	10
8000.40	M40x1,5	46	4,5	10
8000.50	M50x1,5	55	5,5	10
8000.63	M63x1,5	70	6,0	10
8000.75	M75x1,5	80	6,0	5
8000.06.1	M 6x0,75 ²⁾	9	2,8	50
8000.08.1	M 8x1,0 ²⁾	11	2,8	50
8000.10.1	M10x1,0 ²⁾	13	2,8	50



¹⁾ Metrisches Regelgewinde
²⁾ Metrisches Gewinde nach EN60423

¹⁾ metric coarse pitch thread
²⁾ metric thread acc. to EN60423

Gewinde Pg

Thread Pg

8007	Pg 7	15	2,8	50
8009	Pg 9	18	2,8	50
8011	Pg 11	21	3,0	50
8013	Pg 13	23	3,0	50
8016	Pg 16	26	3,0	50
8021	Pg 21	32	3,5	25
8029	Pg 29	41	4,0	10
8036	Pg 36	51	5,0	10
8042	Pg 42	60	5,0	10
8048.48	Pg 48	64	5,5	10

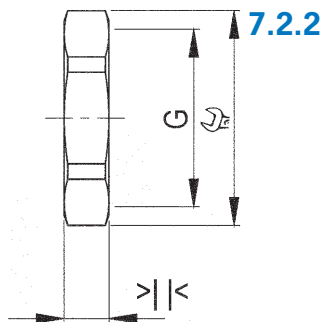
Gasrohr – Gewinde

Thread gas-pipe

803/8 G	G 3/8"	19	3,0	10
801/2 G	G 1/2"	24	3,0	10
805/8 G	G 5/8"	26	3,0	10
803/4 G	G 3/4"	30	3,5	10
801 G	G 1"	38	4,5	10
8011/4 G	G 1 1/4"	46	5,0	10
8011/2 G	G 1 1/2"	51	5,0	10
8048	G 2"	64	5,5	10

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.2.2

Gegenmuttern Stahl, ALU, A2 Verschiedene Ausführungen

Lock-nuts made of steel, aluminium, stainless steel A2 / various versions



AGRO No	M/Pg/G*	mm	mm	
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Material: CrNi Stahl A2
DIN 1.4305

Ausführung: 6-kant

Gewinde metrisch

8008.96	M 8x1,25	11	2,8	50
8010.96	M10x1,5 ¹⁾	13	2,8	50
8012.96	M12x1,5	15	3,0	50
8017.96	M16x1,5	19	3,0	50
8020.96	M20x1,5	24	3,5	50
8025.96	M25x1,5	30	3,5	25
8032.96	M32x1,5	36	4,5	25
8040.96	M40x1,5	46	4,5	10
8050.96	M50x1,5	55	5,5	10
8063.96	M63x1,5	70	6,0	5

Material: CrNi stainless steel A2
DIN 1.4305

Type: hexagonal design

Thread metric

¹⁾ Metrisches Regelgewinde

Material: CrNi Stahl A2
DIN 1.4305

Ausführung: 6-kant

Gewinde Pg



8007.96	Pg 7	15	3,5	50
8009.96	Pg 9	19	3,5	50
8011.96	Pg 11	22	3,5	50
8013.96	Pg 13	24	4,0	50
8016.96	Pg 16	27	4,0	50
8021.96	Pg 21	32	4,5	25
8029.96	Pg 29	41	5,5	10
8036.96	Pg 36	55	6,0	10

¹⁾ metric coarse pitch thread

Material: CrNi stainless steel A2
DIN 1.4305

Type: hexagonal design

Thread Pg



Material: CrNi Stahl A4
DIN 1.4435

Ausführung: 6-kant

Gewinde metrisch

8008.98	M 8x1,25	11	2,8	50
8010.98	M10x1,5	13	3,0	50
8012.98	M12x1,5	17	3,0	50
8017.98	M16x1,5	19	3,5	50
8020.98	M20x1,5	24	3,5	50
8025.98	M25x1,5	30	4,5	25
8032.98	M32x1,5	36	4,5	25
8040.98	M40x1,5	46	4,5	10
8050.98	M50x1,5	55	5,5	10
8063.98	M63x1,5	70	6,0	5

Material: CrNi stainless steel A4
DIN 1.4435

Type: hexagonal design

Thread metric



Material: AlCuBiPb
Ausführung: 6-kant

Gewinde Pg

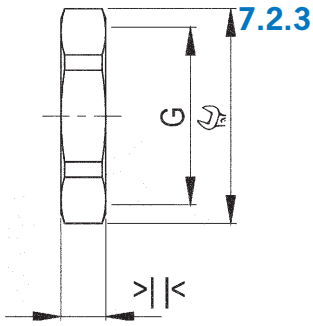
8009.88	Pg 9	18	4,0	50
8011.88	Pg 11	22	4,0	50
8013.88	Pg 13	24	4,5	50
8016.88	Pg 16	27	4,5	50
8021.88	Pg 21	32	5,0	25
8029.88	Pg 29	41	5,5	10

Material: AlCuBiPb
Type: hexagonal design

Thread Pg

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.2.3

Gegenmuttern Stahl, Messing Verschiedene Ausführungen

Lock-nuts steel, nickel-plated brass various versions

AGRO No	M/Pg	mm	mm	
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Material: Stahl verzinkt blau
Ausführung: rund, randriert

Material: steel, zinc coated chromating
Type: round, knurled

Gasrohr – Anschlussgewinde

Thread gas-pipe

8050	G 2 1/2"	Ø 90	12,0	1
8051	G 3"	Ø105	12,0	1
8052	G 4"	Ø130	12,0	1
8053	G 5"	Ø160	12,0	1

Material: Messing vernickelt
Ausführung: dick, 6-kant

Material: Nickel-plated brass
Type: thick type, hexagonal design

Gewinde metrisch

Thread metric

8300.12	M12x1,5	15	5,0	50
8300.17	M16x1,5	19	5,0	50
8300.20	M20x1,5	24	5,5	50
8300.25	M25x1,5	30	5,5	50
8300.32	M32x1,5	36	6,0	50
8300.40	M40x1,5	46	7,0	50

Gewinde Pg

Thread Pg

8300.07	Pg 7	15	5,0	50
8300.09	Pg 9	18	5,0	50
8300.11	Pg 11	21	5,0	50
8300.13	Pg 13	23	5,5	50
8300.16	Pg 16	26	5,5	50
8300.21	Pg 21	32	6,0	50
8300.29	Pg 29	41	7,0	50

Material: Messing vernickelt
Ausführung: 4-kant

Material: Nickel-plated brass
Type: square design

Gewinde metrisch

Thread metric

8100.17	M16x1,5	19	3,0	100
8100.20	M20x1,5	24	3,5	100
8100.25	M25x1,5	30	3,5	100
8100.32	M32x1,5	35	4,5	100

Gewinde Pg

Thread Pg

8109	Pg 9	18	2,5	100
8111	Pg 11	21	2,5	100
8113	Pg 13	24	2,5	100
8116	Pg 16	26	2,5	100
8121	Pg 21	35	3,0	100

Technische Änderungen vorbehalten!

Technical modifications are subject to change!

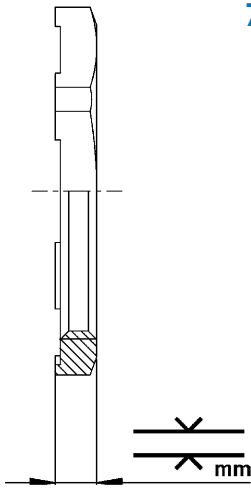
7.2.4

EMV-Gegenmuttern Messing mit Schneidezähnen für eine optimale Kontaktierung

EMC lock-nuts with cutting teeth for optimised EMC contact

Material: Messing vernickelt
Ausführung: 6-kant

Material: Nickel-plated brass
Type: hexagonal design



AGRO
No



Gewinde metrisch

Thread metric

8008.85	M 8x1,25 ¹⁾	11	3,3	25
8010.85	M10x1,5	13	3,3	25
8012.85	M12x1,5	15	3,5	25
8017.85	M16x1,5	19	3,5	25
8020.85	M20x1,5	24	4,0	25
8025.85	M25x1,5	30	4,0	10
8032.85	M32x1,5	36	5,0	10
8040.85	M40x1,5	46	5,3	10
8050.85	M50x1,5	55	6,3	10
8063.85	M63x1,5	70	7,0	10

¹⁾ Metrisches Regelgewinde

¹⁾ metric coarse pitch thread

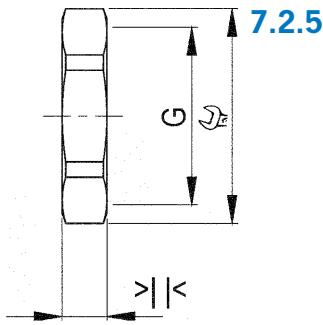
Gewinde Pg

Thread Pg

8007.85	Pg 7	15	3,3	25
8009.85	Pg 9	18	3,3	25
8011.85	Pg 11	21	3,5	25
8013.85	Pg 13	24	3,5	25
8016.85	Pg 16	26	3,5	25
8021.85	Pg 21	32	4,0	10
8029.85	Pg 29	41	4,6	10
8036.85	Pg 36	50	5,8	10
8042.85	Pg 42	60	5,8	10
8048.85	Pg 48	64	6,5	10

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.2.5

Gegenmuttern Kunststoff

Material: Polyamid,
glasfaserverstärkt
Einsatztemp.: Von -20°/+100°C
Farbe: Hellgrau = 5 RAL 7035
Schwarz = 2 RAL 9005

Synthetic lock-nuts

Material: Polyamide, glass-fiber reinforced
Temp. range: -20°/+100°C
Colour: light grey = 5 RAL 7035
black = 2 RAL 9005

AGRO No	M/Pg	mm	mm		
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Gewinde metrisch

Thread metric

8212	M12x1,5	17	5,0	5	100
8217	M16x1,5	19	6,5	5	100
8220	M20x1,5	26	7,0	5	100
8225	M25x1,5	32	9,0	5	100
8232	M32x1,5	41	9,0	5	100
8240	M40x1,5	45	11,0	5	50
8250	M50x1,5	59	11,0	5	10
8263	M63x1,5	72	13,0	5	10



8212.40	M12x1,5	17	5,0	2	100
8217.40	M16x1,5	19	6,5	2	100
8220.40	M20x1,5	26	7,0	2	100
8225.40	M25x1,5	32	9,0	2	100
8232.40	M32x1,5	41	9,0	2	100
8240.40	M40x1,5	45	11,0	2	50
8250.40	M50x1,5	59	11,0	2	10
8263.40	M63x1,5	72	13,0	2	10

Gewinde Pg

Thread Pg

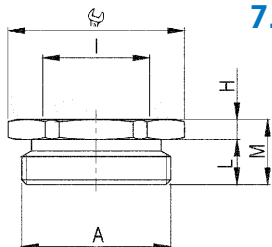


8207	Pg 7	19	5,5	5	100
8209	Pg 9	22	5,5	5	100
8211	Pg 11	24	5,0	5	100
8213	Pg 13	27	6,0	5	100
8216	Pg 16	30	6,0	5	100
8221	Pg 21	36	7,5	5	100
8229	Pg 29	46	7,5	5	50
8236	Pg 36	60	8,5	5	25
8242	Pg 42	65	8,5	5	25
8248.48	Pg 48	70	8,5	5	25

8207.40	Pg 7	19	5,5	2	100
8209.40	Pg 9	22	5,5	2	100
8211.40	Pg 11	24	5,0	2	100
8213.40	Pg 13	27	6,0	2	100
8216.40	Pg 16	30	6,0	2	100
8221.40	Pg 21	36	7,5	2	100
8229.40	Pg 29	46	7,5	2	50
8236.40	Pg 36	60	8,5	2	25
8242.40	Pg 42	65	8,5	2	25
8248.48.40	Pg 48	70	8,5	2	25

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.3.1



Reduktionsflansche Messing (M-M, M-Pg)

Material: Messing, vernickelt
O-Ring: NBR
Einsatztemp.: Von -20°/+100°C
Schutzart: IP 68

Reduction fittings nickel-plated brass (M-M, M-Pg)

Material: Nickel-plated brass
O-ring: NBR
Temp. range: -20°/+100°C
Protection class: IP 68



AGRO No	A	I	 mm	M mm	H mm	L mm	
3500.08.06	M 8x1,25 ¹⁾	M 6x1,0 ¹⁾	11	13,0	8,0	5	50
3500.10.06	M10x1,5 ¹⁾	M 6x1,0 ¹⁾	13	8,0	3,0	5	50
3500.10.08	M10x1,5 ¹⁾	M 8x1,25 ¹⁾	13	13,0	8,0	5	50
3500.12.08	M12x1,5	M 8x1,25 ¹⁾	15	8,0	3,0	5	50
3500.12.10	M12x1,5	M10x1,5 ¹⁾	15	13,0	8,0	5	50
3500.17.10	M16x1,5	M10x1,5 ¹⁾	18	8,0	3,0	5	50
3500.17.12	M16x1,5	M12x1,5	18	8,0	3,0	5	50
3500.20.12	M20x1,5	M12x1,5	24	9,0	3,0	6	25
3500.20.17	M20x1,5	M16x1,5	24	9,0	3,0	6	25
3500.25.17	M25x1,5	M16x1,5	30	10,5	3,5	7	25
3500.25.20	M25x1,5	M20x1,5	30	10,5	3,5	7	25
3500.32.20	M32x1,5	M20x1,5	36	12,0	4,0	8	20
3500.32.25	M32x1,5	M25x1,5	36	12,0	4,0	8	20
3500.40.25	M40x1,5	M25x1,5	46	12,5	4,5	8	10
3500.40.32	M40x1,5	M32x1,5	46	12,5	4,5	8	10
3500.50.32	M50x1,5	M32x1,5	55	14,0	5,0	9	10
3500.50.40	M50x1,5	M40x1,5	55	14,0	5,0	9	10
3500.63.40	M63x1,5	M40x1,5	70	15,5	5,5	10	5
3500.63.50	M63x1,5	M50x1,5	70	15,5	5,5	10	5
3500.75.50	M75x1,5	M50x1,5	80	17,0	6,0	11	5
3500.75.63	M75x1,5	M63x1,5	80	17,0	6,0	11	5

¹⁾ Metrisches Regelgewinde

¹⁾ metric coarse pitch thread

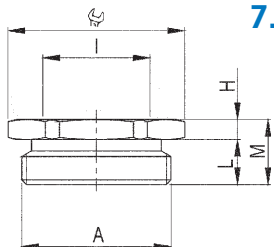
Gewinde aussen: metrisch
Gewinde innen: Pg

Outer thread: metric
Inner thread: Pg

3500.17.07	M16x1,5	Pg 7	20	10,0	3,0	7	50
3500.20.07	M20x1,5	Pg 7	24	10,0	3,0	7	50
3500.20.09	M20x1,5	Pg 9	24	10,0	3,0	7	50
3500.20.11	M20x1,5	Pg 11	24	20,0	13,0	7	50
3500.25.09	M25x1,5	Pg 9	30	11,5	3,5	8	50
3500.25.11	M25x1,5	Pg 11	30	11,5	3,5	8	50
3500.25.13	M25x1,5	Pg 13	30	11,5	3,5	8	50
3500.25.16	M25x1,5	Pg 16	30	23,0	15,0	8	25
3500.32.21	M32x1,5	Pg 21	38	24,0	16,0	8	25
3500.40.29	M40x1,5	Pg 29	45	24,0	16,0	8	10
3500.50.29	M50x1,5	Pg 29	55	14,0	4,0	10	10
3500.63.36	M63x1,5	Pg 36	70	16,5	5,5	11	10

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.3.2



Reduktionsflansche Messing (Pg-M)

Material: Messing, vernickelt
O-Ring: NBR
Einsatztemp.: Von -20°/+100°C
Schutzart: IP 68

Reduction fittings nickel-plated brass (Pg-M)

Material: Nickel-plated brass
O-ring: NBR
Temp. range: -20°/+100°C
Protection class: IP 68



AGRO No	A	I	 mm	M mm	H mm	L mm	
3500.07.06	Pg 7	M 6x1,0 ¹⁾	15	9,0	3,0	6,0	50
3500.07.08	Pg 7	M 8x1,25 ¹⁾	15	9,0	3,0	6,0	50
3500.07.10	Pg 7	M10x1,5 ¹⁾	15	13,0	7,0	6,0	50
3500.09.06	Pg 9	M 6x1,0 ¹⁾	18	9,0	3,0	6,0	50
3500.09.08	Pg 9	M 8x1,25 ¹⁾	18	9,0	3,0	6,0	50
3500.09.10	Pg 9	M10x1,5 ¹⁾	18	9,0	3,0	6,0	50
3500.09.12	Pg 9	M12x1,5	18	14,0	8,0	6,0	50
3500.11.06	Pg 11	M 6x1,0 ¹⁾	21	9,0	3,0	6,0	50
3500.11.08	Pg 11	M 8x1,25 ¹⁾	21	9,0	3,0	6,0	50
3500.11.10	Pg 11	M10x1,5 ¹⁾	21	9,0	3,0	6,0	50
3500.11.12	Pg 11	M12x1,5	21	9,0	3,0	6,0	50
3500.11.17	Pg 11	M16x1,5	21	14,0	8,0	6,0	50
3500.13.12	Pg 13	M12x1,5	24	9,0	3,0	6,0	50
3500.13.17	Pg 13	M16x1,5	24	9,0	3,0	6,0	50
3500.16.12	Pg 16	M12x1,5	24	9,0	3,0	6,0	25
3500.16.17	Pg 16	M16x1,5	24	9,0	3,0	6,0	25
3500.16.20	Pg 16	M20x1,5	24	16,5	10,5	6,0	25
3500.21.17	Pg 21	M16x1,5	30	11,0	3,5	7,5	25
3500.21.20	Pg 21	M20x1,5	30	11,0	3,5	7,5	25
3500.21.25	Pg 21	M25x1,5	30	18,0	10,5	7,5	25
3500.29.25	Pg 29	M25x1,5	38	12,0	4,0	8,0	20
3500.29.32	Pg 29	M32x1,5	38	21,0	13,0	8,0	20
3500.36.32	Pg 36	M32x1,5	50	12,5	4,5	8,0	10
3500.36.40	Pg 36	M40x1,5	50	12,5	4,5	8,0	10
3500.42.32	Pg 42	M32x1,5	55	15,0	5,0	10,0	10
3500.42.40	Pg 42	M40x1,5	55	15,0	5,0	10,0	10
3500.42.50	Pg 42	M50x1,5	55	25,0	15,0	10,0	10
3500.48.40	Pg 48	M40x1,5	65	16,5	5,5	11,0	5
3500.48.50	Pg 48	M50x1,5	65	16,5	5,5	11,0	5

Gewinde aussen: Pg
Gewinde innen: metrisch

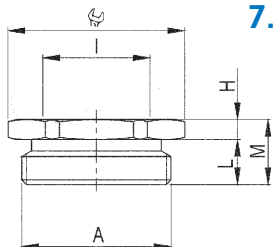
Outer thread: Pg
Inner thread: metric

¹⁾ Metrisches Regelgewinde

¹⁾ Metric coarse pitch thread

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.3.3





Reduktionsflansche Messing (Pg-Pg)

Material: Messing, vernickelt
O-Ring: NBR
Einsatztemp.: Von -20°/+100°C
Schutzart: IP 68

Reduction fittings nickel-plated brass (Pg-Pg)

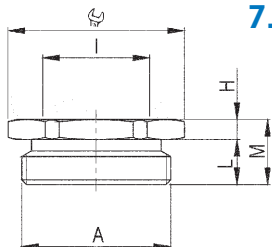
Material: Nickel-plated brass
O-ring: NBR
Temp. range: -20°/+100°C
Protection class: IP 68



AGRO No	 A	 I	 mm	M mm	H mm	L mm	
	Gewinde aussen: Pg Gewinde innen: Pg			Outer thread: Pg Inner thread: Pg			
3509.07	Pg 9	Pg 7	18	9,5	3,0	6,5	50
3511.07	Pg 11	Pg 7	20	9,5	3,0	6,5	50
3511.09	Pg 11	Pg 9	22	10,0	3,0	7,0	50
3513.07	Pg 13	Pg 7	24	10,0	3,0	7,0	50
3513.09	Pg 13	Pg 9	24	10,0	3,0	7,0	50
3513.11	Pg 13	Pg 11	24	10,0	3,0	7,0	50
3516.09	Pg 16	Pg 9	24	10,0	3,0	7,0	50
3516.11	Pg 16	Pg 11	24	10,0	3,0	7,0	50
3516.13	Pg 16	Pg 13	27	10,0	3,0	7,0	50
3521.11	Pg 21	Pg 11	32	11,0	3,5	7,5	25
3521.13	Pg 21	Pg 13	32	11,0	3,5	7,5	25
3521.16	Pg 21	Pg 16	32	11,0	3,5	7,5	25
3529.13	Pg 29	Pg 13	38	12,0	4,0	8,0	10
3529.16	Pg 29	Pg 16	38	12,0	4,0	8,0	10
3529.21	Pg 29	Pg 21	38	12,0	4,0	8,0	10
3536.21	Pg 36	Pg 21	50	13,0	4,5	8,5	10
3536.29	Pg 36	Pg 29	50	13,0	4,5	8,5	10
3542.29	Pg 42	Pg 29	60	15,0	4,0	11,0	10
3542.36	Pg 42	Pg 36	58	15,0	4,0	11,0	10
3548.48.36	Pg 48	Pg 36	64	15,0	4,0	11,0	10

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.3.4

Reduktionsflansche Messing (G"-Pg, NPT-Pg, NPSM-Pg)

Material: Messing, vernickelt
O-Ring: NBR
Einsatztemp.: Von -20°/+100°C
Schutzart: IP 68

Reduction fittings nickel-plated brass (G"-Pg, NPT-Pg, NPSM-Pg)

Material: Nickel-plated brass
O-ring: NBR
Temp. range: -20°/+100°C
Protection class: IP 68

AGRO No	A	I	 mm	M mm	H mm	L mm	
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Gewinde aussen: Pg
Gewinde innen: Gasrohr

Outer thread: Pg
Inner thread: gas-pipe

35133/8G	13	G 3/8"	24	10,0	3,0	7	50
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Gewinde aussen: Gasrohr
Gewinde innen: Pg

Outer thread: gas-pipe
Inner thread: Pg

353/8G.07	G 3/8"	Pg 7	20	13,0	3,0	10,0	50
351/2G.09	G 1/2"	Pg 9	24	12,5	3,0	9,5	50
353/4G.09	G 3/4"	Pg 9	30	14,5	3,5	11,0	50
353/4G.11	G 3/4"	Pg 11	30	14,5	3,5	11,0	50
353/4G.16	G 3/4"	Pg 16	32	14,5	3,5	11,0	50
351G.21	G 1"	Pg 21	38	14,5	3,5	11,0	25
3511/4G.29	G 1 1/4"	Pg 29	50	16,0	5,0	11,0	25
3548.36	G 2"	Pg 36	64	16,0	5,0	11,0	10
3548.42	G 2"	Pg 42	64	16,0	5,0	11,0	10

Gewinde aussen: NPT
Gewinde innen: Pg

Outer thread: NPT
Inner thread: Pg

351/2NPT.09	NPT 1/2"	Pg 9	22	24,5	4,5	20	50
353/4NPT.11	NPT 3/4"	Pg 11	30	24,0	4,0	20	10
353/4NPT.13	NPT 3/4"	Pg 13	30	24,0	4,0	20	10
351NPT.16	NPT 1"	Pg 16	36	32,0	6,0	26	10

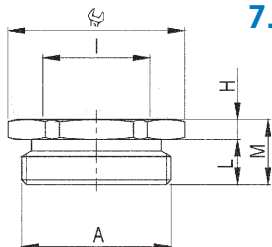
Gewinde aussen: NPSM
Gewinde innen: Pg

Outer thread: NPSM
Inner thread: Pg

351/2NPSM.09	NPSM 1/2"	Pg 9	22	11	3,0	8	10
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Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.3.5

Reduktionsflansche Kunststoff (M-M, Pg-Pg)

Material: Polyamid glasfaserverstärkt
 Einsatztemp.: Von -20°/+100°C
 Farbe: Hellgrau
 Schutzart: IP 50

Synthetic reduction fittings (M-M, Pg-Pg)

Material: Polyamide glass-fiber reinforced
 Temp. range: -20°/+100°C
 Colour: light grey
 Protection class: IP 50



AGRO No	A	I	 M mm	H mm	L mm	
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Gewinde aussen: metrisch
 Gewinde innen: metrisch

Outer thread: metric
 Inner thread: metric

3417.12	M16x1,5	M12x1,5	24	12	4	8	50
3420.12	M20x1,5	M12x1,5	24	12	4	8	50
3420.17	M20x1,5	M16x1,5	24	12	4	8	50
3425.12	M25x1,5	M12x1,5	29	14	6	8	50
3425.17	M25x1,5	M16x1,5	29	14	6	8	50
3425.20	M25x1,5	M20x1,5	29	14	6	8	50
3432.12	M32x1,5	M12x1,5	36	16	6	10	25
3432.17	M32x1,5	M16x1,5	36	16	6	10	25
3432.20	M32x1,5	M20x1,5	36	16	6	10	25
3432.25	M32x1,5	M25x1,5	36	16	6	10	25
3440.20	M40x1,5	M20x1,5	46	16	6	10	25
3440.25	M40x1,5	M25x1,5	46	16	6	10	25
3440.32	M40x1,5	M32x1,5	46	16	6	10	25
3450.25	M50x1,5	M25x1,5	55	18	6	12	10
3450.32	M50x1,5	M32x1,5	55	18	6	12	10
3450.40	M50x1,5	M40x1,5	55	18	6	12	10
3463.32	M63x1,5	M32x1,5	68	18	6	12	5
3463.40	M63x1,5	M40x1,5	68	18	6	12	5
3463.50	M63x1,5	M50x1,5	68	18	6	12	5

Gewinde aussen: Pg
 Gewinde innen: Pg

Outer thread: Pg
 Inner thread: Pg

3409.07	Pg 9	Pg 7	19	20	12	8	50
3411.07	Pg 11	Pg 7	22	11	3	8	50
3411.09	Pg 11	Pg 9	22	22	15	8	50
3413.09	Pg 13	Pg 9	24	12	3	9	50
3413.11	Pg 13	Pg 11	24	25	15	9	50
3416.09	Pg 16	Pg 9	27	14	5	9	50
3416.11	Pg 16	Pg 11	27	14	5	9	50
3416.13	Pg 16	Pg 13	27	27	17	10	50
3421.13	Pg 21	Pg 13	32	16	5	11	25
3421.16	Pg 21	Pg 16	32	16	5	11	25
3429.21	Pg 29	Pg 21	41	18	6	12	10
3436.29	Pg 36	Pg 29	50	23	6	14	10

(M-M, Pg-M, M-Pg)

(M-M, Pg-M, M-Pg)

Technische Änderungen vorbehalten!

Technical modifications are subject to change!

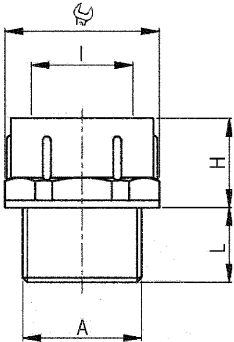
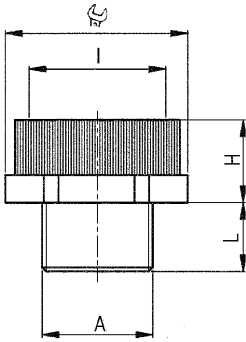
7.3.6

Reduktionsflansche Kunststoff (Pg-M, M-Pg)

Material: Polyamid
glasfaserverstärkt
Einsatztemp.: Von -20°/+100°C
Farbe: Hellgrau
Schutzart: IP 50

Synthetic reduction fittings (Pg-M, M-Pg)

Material: Polyamide
glass-fiber reinforced
Temp. range: -20°/+100°C
Colour: light grey
Protection class: IP 50



AGRO No	A	I	mm	H mm	L mm	
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Gewinde aussen: Pg
Gewinde innen: metrisch

Outer thread: Pg
Inner thread: metric

3407.12	Pg 7	M12x1,5	15	20,0	8,0	50
3409.12	Pg 9	M12x1,5	19	20,0	8,0	50
3411.17	Pg 11	M16x1,5	22	20,0	8,0	50
3413.17	Pg 13	M16x1,5	24	21,0	9,0	50
3413.20	Pg 13	M20x1,5	24	21,0	9,0	50
3416.20	Pg 16	M20x1,5	27	22,0	10,0	50
3421.25	Pg 21	M25x1,5	33	23,5	11,0	25
3429.32	Pg 29	M32x1,5	42	25,5	11,0	10

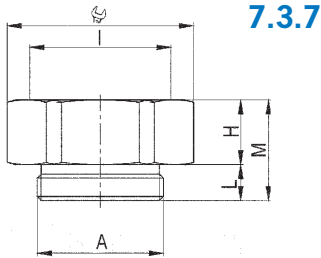
Gewinde aussen: metrisch
Gewinde innen: Pg

Outer thread: metric
Inner thread: Pg

3417.09	M16x1,5	Pg 9	19	24,5	11,0	50
3420.11	M20x1,5	Pg 11	22	26,5	11,0	50
3425.16	M25x1,5	Pg 16	27	29,0	11,0	50
3440.29	M40x1,5	Pg 29	42	34,0	11,0	25
3450.36	M50x1,5	Pg 36	53	37,0	11,0	10
3463.48	M63x1,5	Pg 48	65	40,0	11,0	5

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.3.7



Erweiterungen Messing (M-M, M-Pg)

Material: Messing, vernickelt
O-Ring: NBR
Einsatztemp.: Von -20°/+100°C
Schutzart: IP 68

Enlarging fittings nickel-plated brass (M-M, M-Pg)

Material: Nickel-plated brass
O-ring: NBR
Temp. range: -20°/+100°C
Protection class: IP 68



AGRO No	A	I	 mm	M mm	H mm	L mm	
Gewinde aussen: metrisch				Outer thread: metric			
Gewinde innen: metrisch				Inner thread: metric			
3600.06.08	M 6x1,0 ¹⁾	M 8x1,25 ¹⁾	11	13,5	8,5	5	50
3600.06.10	M 6x1,0 ¹⁾	M10x1,5 ¹⁾	13	13,5	8,5	5	50
3600.08.10	M 8x1,25 ¹⁾	M10x1,5 ¹⁾	13	14,0	9,0	5	50
3600.08.12	M 8x1,25 ¹⁾	M12x1,5	15	14,0	9,0	5	50
3600.10.12	M10x1,5 ¹⁾	M12x1,5	15	14,0	9,0	5	50
3600.10.17	M10x1,5 ¹⁾	M16x1,5	18	14,0	9,0	5	50
3600.12.17	M12x1,5	M16x1,5	18	14,0	9,0	5	50
3600.12.20	M12x1,5	M20x1,5	24	15,0	10,0	5	50
3600.17.20	M16x1,5	M20x1,5	24	15,0	10,0	5	50
3600.20.25	M20x1,5	M25x1,5	30	17,5	11,5	6	25
3600.25.32	M25x1,5	M32x1,5	36	21,0	14,0	7	25
3600.32.40	M32x1,5	M40x1,5	46	22,0	14,0	8	25
3600.40.50	M40x1,5	M50x1,5	55	24,0	16,0	8	10
3600.50.63	M50x1,5	M63x1,5	70	26,0	17,0	9	10
3600.63.75	M63x1,5	M75x1,5	80	28,0	18,0	10	10

¹⁾ Metrisches Regelgewinde

¹⁾ metric coarse pitch thread

Gewinde aussen: metrisch
Gewinde innen: Pg

Outer thread: metric
Inner thread: Pg

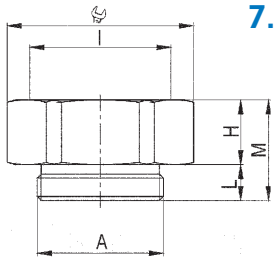
3600.10.07	M10x1,5 ¹⁾	Pg 7	16	18,0	12,0	6	50
3600.10.09	M10x1,5 ¹⁾	Pg 9	18	18,0	12,0	6	50
3600.12.09	M12x1,5	Pg 9	18	19,0	12,0	7	50
3600.17.11	M16x1,5	Pg 11	22	21,0	14,0	7	50
3600.20.13	M20x1,5	Pg 13	24	22,0	15,0	7	50
3600.20.16	M20x1,5	Pg 16	24	22,0	15,0	7	50
3600.25.21	M25x1,5	Pg 21	32	24,0	16,0	8	25
3600.32.29	M32x1,5	Pg 29	40	24,0	16,0	8	25
3600.40.36	M40x1,5	Pg 36	50	26,0	18,0	8	20
3600.50.42	M50x1,5	Pg 42	60	29,0	19,0	10	10
3600.50.48	M50x1,5	Pg 48	64	30,0	20,0	10	10

¹⁾ Metrisches Regelgewinde

¹⁾ metric coarse pitch thread

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.3.8



Erweiterungen Messing (Pg-M, Pg-Pg, Pg-G")

Material: Messing, vernickelt
O-Ring: NBR
Einsatztemp.: Von -20°/+100°C
Schutzart: IP 68

Enlarging fittings nickel-plated brass (Pg-M, Pg-Pg, Pg-G")

Material: Nickel-plated brass
O-ring: NBR
Temp. range: -20°/+100°C
Protection class: IP 68



AGRO No	A	I	 mm	M mm	H mm	L mm	
Gewinde aussen: Pg				Outer thread: Pg			
Gewinde innen: metrisch				Inner thread: metric			
3600.07.12	Pg 7	M12x1,5	15	15,0	9,0	6,0	50
3600.07.17	Pg 7	M16x1,5	18	15,0	9,0	6,0	50
3600.09.17	Pg 9	M16x1,5	18	15,5	9,5	6,0	50
3600.09.20	Pg 9	M20x1,5	24	16,5	10,5	6,0	50
3600.11.20	Pg 11	M20x1,5	24	16,5	10,5	6,0	50
3600.11.25	Pg 11	M25x1,5	30	17,5	11,5	6,0	25
3600.13.20	Pg 13	M20x1,5	24	16,5	10,5	6,0	50
3600.13.25	Pg 13	M25x1,5	30	17,5	11,5	6,0	25
3600.16.25	Pg 16	M25x1,5	30	17,5	11,5	6,0	25
3600.16.32	Pg 16	M32x1,5	36	19,5	13,5	6,0	25
3600.21.32	Pg 21	M32x1,5	36	21,5	14,0	7,5	25
3600.21.40	Pg 21	M40x1,5	46	21,5	14,0	7,5	20
3600.29.40	Pg 29	M40x1,5	46	22,0	14,0	8,0	20
3600.29.50	Pg 29	M50x1,5	55	24,0	16,0	8,0	10
3600.36.50	Pg 36	M50x1,5	55	24,0	16,0	8,0	10
3600.36.63	Pg 36	M63x1,5	70	25,0	17,0	8,0	10
3600.42.63	Pg 42	M63x1,5	70	27,0	17,0	10,0	10
3600.42.75	Pg 42	M75x1,5	80	28,0	18,0	10,0	10
3600.48.63	Pg 48	M63x1,5	70	28,0	17,0	11,0	10
3600.48.75	Pg 48	M75x1,5	80	29,0	18,0	11,0	10

Gewinde aussen: Pg
Gewinde innen: Pg

Outer thread: Pg
Inner thread: Pg

3607.09.08	Pg 7	Pg 9	18	21	13	8	50
3609.11.08	Pg 9	Pg 11	22	23	15	8	50
3609.13.08	Pg 9	Pg 13	24	23	15	8	50
3611.13.08	Pg 11	Pg 13	24	23	15	8	50
3611.16.08	Pg 11	Pg 16	24	23	15	8	50
3611.21.08	Pg 11	Pg 21	32	24	16	8	50
3613.16.08	Pg 13	Pg 16	24	23	15	8	50
3616.21.08	Pg 16	Pg 21	32	24	16	8	25
3616.29.08	Pg 16	Pg 29	40	24	16	8	25
3621.29.08	Pg 21	Pg 29	40	24	16	8	25
3629.36.08	Pg 29	Pg 36	50	28	18	10	20
3636.42.08	Pg 36	Pg 42	60	31	19	12	10
3636.48.48.08	Pg 36	Pg 48	64	32	20	12	10

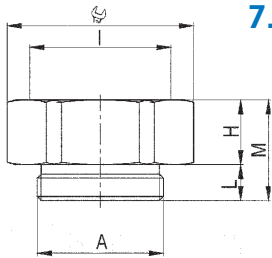
Gewinde aussen: Pg
Gewinde innen: Gasrohr

Outer thread: Pg
Inner thread: gas-pipe

3636.48.08	Pg 36	G2"	64	32	20	12	10
3642.48.08	Pg 42	G2"	64	35	20	15	10

Technische Änderungen vorbehalten!

Technical modifications are subject to change!





7.3.9

Erweiterungen Messing (Pg-G", G"-Pg, NPT-Pg, NPSM-Pg)

Material: Messing, vernickelt
 O-Ring: NBR
 Einsatztemp.: Von -20°/+100°C
 Schutzart: IP 68

Enlarging fittings nickel-plated brass (Pg-G", G"-Pg, NPT-Pg, NPSM-Pg)

Material: Nickel-plated brass
 O-ring: NBR
 Temp. range: -20°/+100°C
 Protection class: IP 68

AGRO No	A	I	 mm	M mm	H mm	L mm	
Gewinde aussen: Pg				Outer thread: Pg			
Gewinde innen: Gasrohr				Inner thread: gas-pipe			
36161/2G.08	Pg 16	G 1/2"	24	24,0	14,0	10	50
36213/4G.08	Pg 21	G 3/4"	32	26,0	14,0	12	25



Gewinde aussen: Gasrohr				Outer thread: gas-pipe			
Gewinde innen: Pg				Inner thread: Pg			
363/8G.11.08	G 3/8"	Pg 11	20	22,0	12,0	10	50
361/2G.11.08	G 1/2"	Pg 11	24	22,0	12,0	10	50
361/2G.13.08	G 1/2"	Pg 13	24	22,0	12,0	10	50
361/2G.16.08	G 1/2"	Pg 16	24	22,0	12,0	10	50
365/8G.16.08	G 5/8"	Pg 16	24	22,0	12,0	10	50
363/4G.21.08	G 3/4"	Pg 21	32	27,0	15,0	12	25
367/8G.29.08	G 7/8"	Pg 29	41	27,0	15,0	12	25
361 G.29.08	G 1"	Pg 29	41	26,0	15,0	11	25
3611/4G.29.08	G 1 1/4"	Pg 29	45	27,0	15,0	12	10
3611/2G.36.08	G 1 1/2"	Pg 36	54	34,0	22,0	12	10

Gewinde aussen: NPT				Outer thread: NPT			
Gewinde innen: Pg				Inner thread: Pg			
361/2NPT.11	NPT 1/2"	Pg 11	24	32,0	12,0	20	50
361/2NPT.13	NPT 1/2"	Pg 13	24	34,0	14,0	20	50
361/2NPT.16	NPT 1/2"	Pg 16	27	34,0	14,0	20	50
363/4NPT.21	NPT 3/4"	Pg 21	32	34,0	14,0	20	25

Gewinde aussen: NPSM				Outer thread: NPSM			
Gewinde innen: Pg				Inner thread: Pg			
361/2NPSM.13.08	NPSM 1/2"	Pg 13	24	21,0	14,0	7	50

Technische Änderungen vorbehalten!

Technical modifications are subject to change!

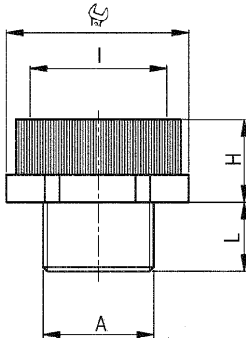
7.3.10





Erweiterungen Kunststoff (M-M, Pg-Pg, Pg-M, M-Pg)

Material: Polyamid
glasfaserverstärkt
O-Ring: NBR
Einsatztemp.: Von -20°/+100°C
Farbe: Hellgrau
Schutzart: IP 50

Synthetic enlarging fittings (M-M, Pg-Pg, Pg-M, M-Pg)

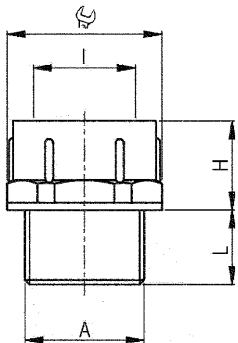
Material: Polyamide
glass-fiber reinforced
O-ring: NBR
Temp. range: -20°/+100°C
Colour: light grey
Protection class: IP 50



AGRO No	 A	 I	 mm	H mm	L mm	
3712.17	M12x1,5	M16x1,5	20	12,5	8,0	50
3717.20	M16x1,5	M20x1,5	24	12,5	8,0	50
3720.25	M20x1,5	M25x1,5	30	13,0	8,0	50
3725.32	M25x1,5	M32x1,5	37	15,0	8,0	25
3732.40	M32x1,5	M40x1,5	45	15,0	10,0	25

Gewinde aussen: metrisch
Gewinde innen: metrisch

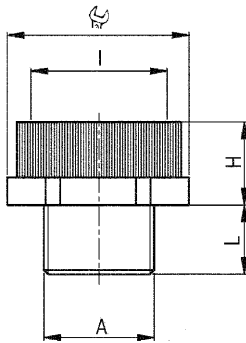
Outer thread: metric
Inner thread: metric



Gewinde aussen: Pg
Gewinde innen: Pg

Outer thread: Pg
Inner thread: Pg

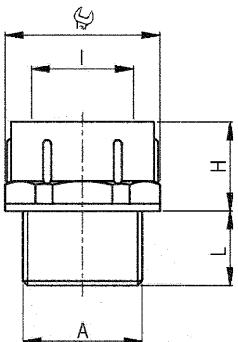
3707.09	Pg 7	Pg 9	19	18,0	6,5	50
3709.11	Pg 9	Pg 11	22	19,0	7,0	50
3711.13	Pg 11	Pg 13	24	21,0	8,0	50
3713.16	Pg 13	Pg 16	27	22,5	9,0	50
3716.21	Pg 16	Pg 21	32	25,5	9,0	25
3721.29	Pg 21	Pg 29	41	33,0	10,0	25
3729.36	Pg 29	Pg 36	55	38,5	12,0	10
3736.42	Pg 36	Pg 42	60	45,5	14,0	10
3742.48	Pg 42	Pg 48	65	39,0	16,0	10



Gewinde aussen: Pg
Gewinde innen: metrisch

Outer thread: Pg
Inner thread: metric

3707.12	Pg 7	M12x1,5	15	12,0	8,0	50
3707.17	Pg 7	M16x1,5	20	12,0	8,0	50
3709.17	Pg 9	M16x1,5	20	12,0	8,0	50
3709.20	Pg 9	M20x1,5	24	12,0	8,0	50
3711.20	Pg 11	M20x1,5	24	12,0	8,0	50
3713.25	Pg 13	M25x1,5	30	12,5	9,0	50
3716.25	Pg 16	M25x1,5	30	12,5	10,0	50
3721.32	Pg 21	M32x1,5	37	14,5	11,0	25
3729.40	Pg 29	M40x1,5	45	14,5	11,0	25



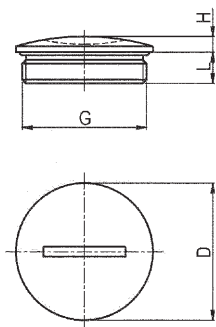
Gewinde aussen: metrisch
Gewinde innen: Pg

Outer thread: metric
Inner thread: Pg

3712.09	M12x1,5	Pg 9	19	12,5	11,0	50
3720.13	M20x1,5	Pg 13	24	15,0	11,0	50
3720.16	M20x1,5	Pg 16	27	17,0	11,0	50
3725.21	M25x1,5	Pg 21	33	20,0	11,0	25
3732.29	M32x1,5	Pg 29	42	22,0	11,0	25
3750.42	M50x1,5	Pg 42	60	28,0	11,0	10

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.4.1




Verschlusszapfen Messing

Locking plugs nickel-plated brass

Material: Messing vernickelt
 O-ring: NBR
 Eigenschaften: Mit Flansch und O-Ring
 Einsatztemp.: Von -20°/+100°C
 Schutzart: IP 68

Material: Nickel-plated brass
 O-ring: NBR
 Features: flanged type and with O-ring
 Temp. range: -20°/+100°C
 Protection class: IP 68



AGRO No	 M	 mm	H mm	L mm	
Kurzes Anschlussgewinde metrisch mit O-Ring			Short entry thread metric with O-ring		
8706.08	M 6x1,0 ¹⁾	9	3	5	50
8708.08	M 8x1,25 ¹⁾	10	3	5	50
8710.08	M10x1,5 ¹⁾	12	3	5	50
8712.08	M12x1,5	14	3	5	50
8717.08	M16x1,5	19	3	5	50
8720.08	M20x1,5	24	3	6	25
8725.08	M25x1,5	28	4	7	25
8732.08	M32x1,5	35	4	8	10
8740.08	M40x1,5	45	6	8	10
8750.08	M50x1,5	55	6	9	10
8763.08	M63x1,5	70	6	10	10
8775.08	M75x1,5	80	6	11	5

¹⁾ Metrisches Regelgewinde

¹⁾ metric coarse pitch thread

Langes Anschlussgewinde metrisch mit O-Ring

Long entry thread metric with O-ring

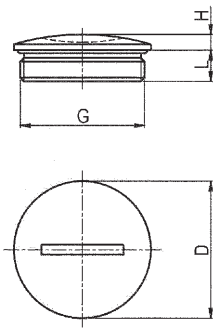
8706.11.08	M 6x1,0 ¹⁾	9	3	8	50
8708.11.08	M 8x1,25 ¹⁾	10	3	10	50
8710.11.08	M10x1,5 ¹⁾	12	3	10	50
8712.11.08	M12x1,5	14	3	10	50
8717.11.08	M16x1,5	19	3	10	50
8720.11.08	M20x1,5	24	3	10	25
8725.11.08	M25x1,5	28	4	11	25
8732.11.08	M32x1,5	35	4	13	10
8740.11.08	M40x1,5	45	6	13	10
8750.11.08	M50x1,5	55	6	14	10
8763.11.08	M63x1,5	70	6	15	10
8775.11.08	M75x1,5	80	6	15	5

¹⁾ Metrisches Regelgewinde

¹⁾ metric coarse pitch thread

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.4.2




Verschlusszapfen Messing

Locking plugs nickel-plated brass

Material: Messing vernickelt
 O-ring: NBR
 Eigenschaften: Mit Flansch und O-Ring
 Einsatztemp.: Von -20°/+100°C
 Schutzart: IP 68

Material: Nickel-plated brass
 O-ring: NBR
 Features: flanged type and with O-ring
 Temp. range: -20°/+100°C
 Protection class: IP 68



AGRO No	 Pg	 mm	H mm	L mm	
Kurzes Anschlussgewinde Pg mit O-Ring			Short entry thread Pg with O-ring		
8707.08	Pg 7	14	3	5,0	100
8709.08	Pg 9	17	3	6,0	100
8711.08	Pg 11	20	3	6,0	100
8713.08	Pg 13	22	3	6,5	50
8716.08	Pg 16	24	3	6,5	50
8721.08	Pg 21	30	4	7,0	10
8729.08	Pg 29	39	4	8,0	10
8736.08	Pg 36	50	6	9,0	10
8742.08	Pg 42	60	6	10,0	10
8748.08	G2"	65	6	10,0	10
8748.48.08	Pg 48	65	6	10,0	10

Langes Anschlussgewinde Pg mit O-Ring

Long entry thread Pg with O-ring

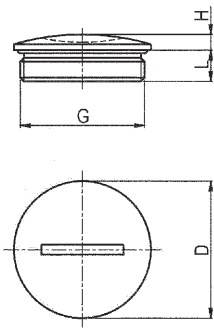
8707.11.08	Pg 7	14	3	10,0	100
8709.11.08	Pg 9	17	3	10,0	100
8711.11.08	Pg 11	20	3	10,0	100
8713.11.08	Pg 13	22	3	10,0	50
8716.11.08	Pg 16	24	3	10,0	50
8721.11.08	Pg 21	30	4	12,0	10
8729.11.08	Pg 29	39	4	12,0	10
8736.11.08	Pg 36	50	6	15,0	10
8748.11.08	G2"	65	6	15,0	10

Verschlusszapfen
 Anschlussgewinde Pg
 CrNi Stahl A2 (DIN 1.4305)
 auf Anfrage.

Locking plugs
 Entry thread Pg
 CrNi stainless steel A2 (DIN 1.4305)
 on inquiry.

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.4.3



Verschlusszapfen Stahl

Material: CrNi Stahl A2 (DIN 1.4305)
 O-ring: NBR
 Eigenschaften: Mit Flansch und O-Ring
 Einsatztemp.: Von -20°/+100°C
 Schutzart: IP 68

Locking plugs made of stainless steel rustproof

Material: CrNi stainless steel A2 (DIN 1.4305)
 O-ring: NBR
 Features: flanged type and with O-ring
 Temp. range: -20°/+100°C
 Protection class: IP 68



AGRO No	M	 mm	H mm	L mm	
Kurzes Anschlussgewinde metrisch mit O-Ring			Short entry thread metric with O-ring		
8710.96.08.70	M10x1,5 ¹⁾	12	3	5	50
8712.96.08.70	M12x1,5	14	3	5	50
8717.96.08.70	M16x1,5	19	3	5	50
8720.96.08.70	M20x1,5	24	3	6	25
8725.96.08.70	M25x1,5	28	4	7	25
8732.96.08.70	M32x1,5	35	4	8	10
8740.96.08.70	M40x1,5	45	6	8	10
8750.96.08.70	M50x1,5	55	6	9	10
8763.96.08.70	M63x1,5	70	6	10	10
8775.96.08.70	M75x1,5	80	6	11	5

¹⁾ Metrisches Regelgewinde

¹⁾ metric coarse pitch thread

Langes Anschlussgewinde metrisch mit O-Ring

Long entry thread metric with O-ring

8710.96.11.08.70	M10x1,5 ¹⁾	12	3	10	50
8712.96.11.08.70	M12x1,5	14	3	10	50
8717.96.11.08.70	M16x1,5	19	3	10	50
8720.96.11.08.70	M20x1,5	24	3	10	25
8725.96.11.08.70	M25x1,5	28	4	11	25
8732.96.11.08.70	M32x1,5	35	4	13	10
8740.96.11.08.70	M40x1,5	45	6	13	10
8750.96.11.08.70	M50x1,5	55	6	14	10
8763.96.11.08.70	M63x1,5	70	6	15	10
8775.96.11.08.70	M75x1,5	80	6	15	5

¹⁾ Metrisches Regelgewinde

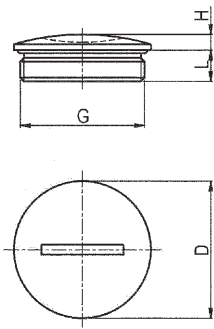
¹⁾ metric coarse pitch thread

Verschlusszapfen
 Anschlussgewinde Pg
 CrNi Stahl A2 (DIN 1.4305)
 auf Anfrage.

Locking plugs
 Entry thread Pg
 CrNi stainless steel A2 (DIN 1.4305)
 on inquiry.

Technische Änderungen vorbehalten!

Technical modifications are subject to change!





7.4.4 Verschlusszapfen Stahl

Material: CrNi Stahl A2 (DIN 1.4305)
 O-ring: FPM
 Eigenschaften: Mit Flansch und O-Ring
 Einsatztemp.: Von -25°/+200°C
 Schutzart: IP 68

Locking plugs made of stainless steel rustproof

Material: CrNi stainless steel A2 (DIN 1.4305)
 O-ring: FPM
 Features: flanged type and with O-ring
 Temp. range: -25°/+200°C
 Protection class: IP 68



AGRO No	M	 mm	H mm	L mm	
Kurzes Anschlussgewinde metrisch mit O-Ring			Short entry thread metric with O-ring		
8710.96.08	M10x1,5 ¹⁾	12	3	5	50
8712.96.08	M12x1,5	14	3	5	50
8717.96.08	M16x1,5	19	3	5	50
8720.96.08	M20x1,5	24	3	6	25
8725.96.08	M25x1,5	28	4	7	25
8732.96.08	M32x1,5	35	4	8	10
8740.96.08	M40x1,5	45	6	8	10
8750.96.08	M50x1,5	55	6	9	10
8763.96.08	M63x1,5	70	6	10	10
8775.96.08	M75x1,5	80	6	11	5

¹⁾ Metrisches Regelgewinde

¹⁾ metric coarse pitch thread

Langes Anschlussgewinde metrisch mit O-Ring

Long entry thread metric with O-ring

8710.96.11.08	M10x1,5 ¹⁾	12	3	10	50
8712.96.11.08	M12x1,5	14	3	10	50
8717.96.11.08	M16x1,5	19	3	10	50
8720.96.11.08	M20x1,5	24	3	10	25
8725.96.11.08	M25x1,5	28	4	11	25
8732.96.11.08	M32x1,5	35	4	13	10
8740.96.11.08	M40x1,5	45	6	13	10
8750.96.11.08	M50x1,5	55	6	14	10
8763.96.11.08	M63x1,5	70	6	15	10
8775.96.11.08	M75x1,5	80	6	15	5

¹⁾ Metrisches Regelgewinde

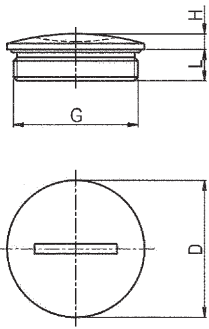
¹⁾ metric coarse pitch thread

Verschlusszapfen
 Anschlussgewinde Pg
 CrNi Stahl A2 (DIN 1.4305)
 auf Anfrage.

Locking plugs
 Entry thread Pg
 CrNi stainless steel A2 (DIN 1.4305)
 on inquiry.

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.4.5



Verschlusszapfen Kunststoff

Material: Polystyrol, schlagfest
 Ausführung: Mit Flansch
 Einsatztemp.: Von -20°/+80°C
 Schutzart: IP 54
 Farbe: Hellgrau = 5 RAL 7035
 Schwarz = 2 RAL 9005

Synthetic locking plugs

Material: Polystyrol, shock resistant
 Features: flanged type
 Temp. range: -20°/+80°C
 Protection class: IP 54
 Colour: light grey = 5 RAL 7035
 black = 2 RAL 9005



AGRO No	M/Pg	Ø mm	H mm	L mm		
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Kurzes Anschlussgewinde metrisch ohne O-Ring

Short entry thread metric without O-ring

8812	M12x1,5	15	4	6	5	100
8817	M16x1,5	20	5	7	5	100
8820	M20x1,5	24	5	7	5	100
8825	M25x1,5	30	4	11	5	100
8832	M32x1,5	37	5	11	5	100
8840	M40x1,5	46	6	12	5	50
8850	M50x1,5	55	7	13	5	25
8863	M63x1,5	69	6	14	5	10

8812.40	M12x1,5	15	4	6	2	100
8817.40	M16x1,5	20	5	7	2	100
8820.40	M20x1,5	24	5	7	2	100
8825.40	M25x1,5	30	4	11	2	100
8832.40	M32x1,5	37	5	11	2	100
8840.40	M40x1,5	46	6	12	2	50
8850.40	M50x1,5	55	7	13	2	25
8863.40	M63x1,5	69	6	14	2	10

Kurzes Anschlussgewinde Pg ohne O-Ring

Short entry thread Pg without O-ring

8807	Pg 7	14	3	5	5	100
8809	Pg 9	20	3	6	5	100
8811	Pg 11	22	3	6	5	100
8813	Pg 13	25	4	6	5	100
8816	Pg 16	27	4	6	5	100
8821	Pg 21	33	4	8	5	100
8829	Pg 29	44	4	8	5	50
8836	Pg 36	55	4	10	5	25
8848.48	Pg 48	69	6	12	5	25

Technische Änderungen vorbehalten!

Technical modifications are subject to change!




7.5.1

Vollgummi-Dichteinsätze Passend zu Progress Metall- und Kunststoff Kabelverschraubungen

Solid sealing inserts suitable for metallic and synthetic Progress cable glands

Dichtung: NBR, ohne Bohrung
Einsatztemp.: Von -20°/+100°C

Seal: NBR, without drilled hole
Temp. range: -20°/+100°C

AGRO No	 M/Pg	 max. mm	
-------------------	---	--	---

**Kurzer Dichtungseinsatz,
ohne Bohrung,
passend zu metrischen Kabelverschraubungen**

**Short sealing insert,
without drilled hole
suitable for metric cable glands**

1000.06.30.03	M 6	3,5	1
1000.08.30.03	M 8	5,0	1
1000.10.30.03	M10	6,0	1
1000.12.30.03	M12	8,0	1
1000.17.30.03	M16	10,5	1
1000.20.30.03	M20	15,0	1
1000.25.30.03	M25	20,5	1
1000.32.30.03	M32	25,5	1
1000.40.30.03	M40	33,0	1
1000.50.30.03	M50	42,0	1
1000.63.30.03	M63	52,0	1



**Kurzer Dichtungseinsatz,
ohne Bohrung,
passend zu Pg Kabelverschraubungen**

**Short sealing insert,
without drilled hole
suitable for Pg cable glands**

1000.12.30.03	Pg 7	8,0	1
1000.17.30.03	Pg 9	10,5	1
1000.11.30.03	Pg 11	12,0	1
1000.20.30.03	Pg 13	15,0	1
1000.20.30.03	Pg 16	15,0	1
1000.25.30.03	Pg 21	20,5	1
1000.29.30.03	Pg 29	27,5	1
1000.36.30.03	Pg 36	35,0	1
1000.50.30.03	Pg 42	42,0	1
1000.48.30.03	Pg 48	49,0	1

Technische Änderungen vorbehalten!

Technical modifications are subject to change!




7.5.2

Vollgummi-Dichteinsätze Passend zu Progress Metall- und Kunststoff Kabelverschraubungen

Solid sealing inserts suitable for metallic and synthetic Progress cable glands

Dichtung: FPM, ohne Bohrung
Einsatztemp.: Von -25°/+200°C

Seal: FPM, without drilled hole
Temp. range: -25°/+200°C

AGRO No	 M/Pg	 max. mm	
-------------------	---	--	---

**Kurzer Dichtungseinsatz,
ohne Bohrung,
passend zu metrischen Kabelverschraubungen**

**Short sealing insert,
without drilled hole
suitable for metric cable glands**

1000.06.98.30.03	M 6	3,5	1
1000.08.98.30.03	M 8	5,0	1
1000.10.98.30.03	M10	6,0	1
1000.12.98.30.03	M12	8,0	1
1000.17.98.30.03	M16	10,5	1
1000.20.98.30.03	M20	15,0	1
1000.25.98.30.03	M25	20,5	1
1000.32.98.30.03	M32	25,5	1
1000.40.98.30.03	M40	33,0	1
1000.50.98.30.03	M50	42,0	1
1000.63.98.30.03	M63	52,0	1



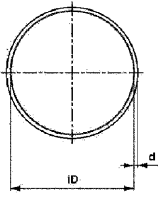
**Kurzer Dichtungseinsatz,
ohne Bohrung,
passend zu Pg Kabelverschraubungen**

**Short sealing insert,
without drilled hole
suitable for Pg cable glands**

1000.12.98.30.03	Pg 7	8,0	1
1000.17.98.30.03	Pg 9	10,5	1
1000.11.98.30.03	Pg 11	12,0	1
1000.20.98.30.03	Pg 13	15,0	1
1000.20.98.30.03	Pg 16	15,0	1
1000.25.98.30.03	Pg 21	20,5	1
1000.29.98.30.03	Pg 29	27,5	1
1000.36.98.30.03	Pg 36	35,0	1
1000.50.98.30.03	Pg 42	42,0	1
1000.48.98.30.03	Pg 48	49,0	1

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.6.1

O-Ringe NBR, FPM
Passend zu Progress Metall
Kabelverschraubungen
metrisch

O-rings NBR, FPM
suitable for metallic
Progress cable glands
metric versions

AGRO No	M	iD mm	d mm	
O-Ring: NBR		O-ring: NBR		
Einsatztemperatur: -20°/+100°C		Temp. range: -20°/+100°C		
1005.00.08	M 6	5,0	1,0	1
1006.00.08	M 8	6,0	1,5	1
1006.06.08	M10	8,1	1,6	1
1007.00.08	M12	10,0	1,5	1
1000.09.00.08	M16	13,1	1,6	1
2111.00.08	M20	17,0	2,0	1
1013.00.22.08	M25	22,0	2,0	1
1021.00.30.08	M32	30,0	2,0	1
1000.40.00.08	M40	37,8	2,6	1
1000.50.00.08	M50	46,0	2,0	1
1000.63.00.08	M63	60,0	2,0	1
1000.75.00.08	M75	72,0	2,0	1



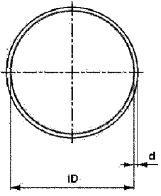
O-Ring: FPM
Einsatztemperatur: -25°/+200°C

O-ring: FPM
Temp. range: -25°/+200°C

1105.98.08	M 6	5,0	1,0	1
1106.98.08	M 8	6,0	1,5	1
1106.06.98.08	M10	8,1	1,6	1
1107.98.08	M12	10,0	1,5	1
1100.09.98.08	M16	13,1	1,6	1
2111.98.08	M20	17,0	2,0	1
1113.98.22.08	M25	22,0	2,0	1
1121.98.30.08	M32	30,0	2,0	1
1100.40.98.08	M40	37,8	2,6	1
1100.50.98.08	M50	46,0	2,0	1
1100.63.98.08	M63	60,0	2,0	1
1100.75.98.08	M75	72,0	2,0	1

Technische Änderungen vorbehalten!



Technical modifications are subject to change!



7.6.2

O-Ringe NBR, FPM Passend zu Progress Metall Kabelverschraubungen Pg

O-rings NBR, FPM suitable for metallic Progress cable glands Pg versions

AGRO No	 Pg	iD mm	d mm	
O-Ring: NBR		O-ring: NBR		
Einsatztemperatur: -20°/+100°C		Temp. range: -20°/+100°C		
1007.00.08	Pg 7	10,0	1,5	1
1000.09.00.08	Pg 9	13,1	1,6	1
1011.00.08	Pg 11	15,0	2,0	1
1016.00.08	Pg 13	19,0	2,0	1
1016.00.08	Pg 16	19,0	2,0	1
1016.00.25.08	Pg 21	25,0	2,0	1
1029.00.08	Pg 29	33,0	2,2	1
1036.00.08	Pg 36	42,5	2,6	1
1000.42.00.08	Pg 42	48,0	3,0	1
1000.48.00.08	Pg 48	55,0	2,0	1



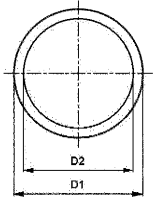
O-Ring: FPM
Einsatztemperatur: -25°/+200°C

O-ring: FPM
Temp. range: -25°/+200°C

1107.98.08	Pg 7	10,0	1,5	1
1100.09.98.08	Pg 9	13,1	1,6	1
1111.98.08	Pg 11	15,0	2,0	1
1116.98.08	Pg 13	18,0	2,0	1
1116.98.08	Pg 16	18,0	2,0	1
1116.98.25.08	Pg 21	25,0	2,0	1
1129.98.08	Pg 29	33,0	1,8	1
1136.98.08	Pg 36	42,5	2,6	1
1100.42.98.08	Pg 42	48,0	3,0	1
1100.48.98.08	Pg 48	55,0	2,0	1

Technische Änderungen vorbehalten!

Technical modifications are subject to change!



7.6.3

Dichtungsscheiben

Sealing washers

Material: Klinger SIL 4300
 Farbe: grün
 Einsatztemp.: Von -30°/+ 300°C

Material: Klinger SIL 4300
 Colour: green
 Temp. range: -30°/+ 300°C

AGRO No	M/Pg	D1 mm	D2 mm	mm	
Dichtungsscheiben zu Anschlussgewinde metrisch		Sealing washers suitable for entry thread metric			
1006.00.16	M 6	10,0	6,0	1,5	1
1008.00.16	M 8	12,0	8,0	1,5	1
1010.00.16	M10	14,0	10,0	1,5	1
1012.00.16	M12	16,0	12,0	1,5	1
1017.00.16	M16	21,0	16,0	1,5	1
1020.00.16	M20	25,0	20,0	1,5	1
1025.00.16	M25	31,0	25,0	2,0	1
1032.00.16	M32	39,0	32,0	2,0	1
1040.00.16	M40	48,0	40,0	2,0	1
1050.00.16	M50	59,0	50,0	2,0	1
1063.00.16	M63	73,0	63,0	2,0	1



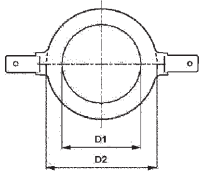
Dichtungsscheiben zu Anschlussgewinde Pg

Sealing washers suitable for entry thread Pg

1007.00.16	Pg 7	16,5	12,5	1,5	1
1009.00.16	Pg 9	19,0	15,2	1,5	1
1011.00.16	Pg 11	22,5	18,5	1,5	1
1013.00.16	Pg 13	25,0	20,5	1,5	1
1016.00.16	Pg 16	27,0	22,5	1,5	1
1021.00.16	Pg 21	33,5	28,5	2,0	1
1029.00.16	Pg 29	43,5	37,0	2,0	1
1036.00.16	Pg 36	55,0	47,0	2,0	1
1042.00.16	Pg 42	63,0	54,0	2,0	1
1048.00.16	Pg 48	69,0	59,3	2,0	1

Technische Änderungen vorbehalten!

Technical modifications are subject to change!





7.7.1

Erdungslaschen zu EMV Kabelverschraubungen

Grounding straps suitable for EMC cable glands

Material: Messing
 Anschlüsse: Löt- oder steckbar
 6,3x1,0 mm
 Einsatztemp.: Von -30°/+ 300°C

Material: Brass
 Terminals: Solderable or plug-on
 6,3x1,0mm
 Temp. range: -30°/+ 300°C

AGRO No	M/Pg	D1/D2 mm	 mm	
Erdungslaschen zu Anschlussgewinde metrisch		Grounding straps for entry thread metric		
1012.80.10	M12	13,0/24,0	1	100
1017.80.10	M16	16,5/24,0	1	100
1020.80.10	M20	20,5/28,0	1	100
1025.80.10	M25	25,5/32,0	1	100
1032.80.10	M32	33,0/40,0	1	100
1040.80.10	M40	40,5/52,0	1	100
1050.80.10	M50	50,5/62,0	1	50
1063.80.10	M63	63,5/78,0	1	50



Erdungslaschen zu Anschlussgewinde Pg

Grounding straps for entry thread Pg

1007.80.10	Pg 7	13,0/24,0	1	100
1009.80.10	Pg 9	16,0/24,0	1	100
1011.80.10	Pg 11	19,0/28,0	1	100
1013.80.10	Pg 13	21,0/28,0	1	100
1016.80.10	Pg 16	23,0/32,0	1	100
1021.80.10	Pg 21	29,0/37,0	1	100
1029.80.10	Pg 29	38,0/52,0	1	50
1036.80.10	Pg 36	48,0/62,0	1	50

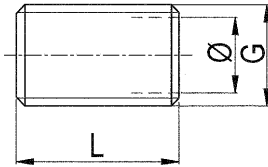
Technische Änderungen vorbehalten!

Technical modifications are subject to change!

7.8.1

Gewindenippel Messing

Threaded nipples nickel-plated brass



Material: Messing, roh
Einsatztemp.: Von -50°/+300°C

Material: brass, raw
Temp. range: -50°/+300°C

AGRO No	 M/Pg	 mm	L mm	
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Gewinde metrisch

Thread metric

2912	M12x1,5	9,0	28	50
2917	M16x1,5	10,5	28	50
2920	M20x1,5	15,6	28	50
2925	M25x1,5	20,0	28	25
2932	M32x1,5	26,0	28	25
2940	M40x1,5	33,0	28	10



Kurzes Gewinde Pg

Short thread Pg

2909	Pg 9	12,3	28	50
2911	Pg 11	15,6	28	50
2911.01	Pg 11	15,6	16	50
2913	Pg 13	17,2	28	50
2916	Pg 16	19,0	28	50
2916.01	Pg 16	19,0	16	50
2921	Pg 21	23,0	28	25
2929	Pg 29	31,0	28	10
2936	Pg 36	41,0	28	10

Langes Gewinde Pg

Long thread Pg

2911.470	Pg 11	15,6	470	1
2916.470	Pg 16	19,0	470	1
2921.470	Pg 21	23,0	470	1
2929.470	Pg 29	31,0	470	1
2936.470	Pg 36	41,0	470	1

Technische Änderungen vorbehalten!

Technical modifications are subject to change!

7.9.1

Blindscheiben Progress
Verschlussbolzen
Einschnittringe
Blind discs Progress
Locking pins
Sealing/Packing rings

Einsatztemp. : Von -20°/+100°C

Temp. range: -20°/+100°C



AGRO No	M/Pg	mm	mm	
Blindscheibe aus PA		Blind disc made of PA		
Als Staubverschluss zu Kabelverschraubungen		Usable as dust stopper for cable glands		
1012.00.19	M10/M12/Pg7	10,5	0,3	50
1017.00.19	M16/Pg9	13,5	0,3	50
1011.00.19	Pg 11	16,5	0,3	50
1020.00.19	M20/Pg13/Pg16	20,5	0,3	50
1025.00.19	M25/Pg21	26,5	0,3	50
1029.00.19	Pg29	35,0	0,3	50
1032.00.19	M32	30,0	0,3	50
1036.00.19	Pg36	45,0	0,3	50
1040.00.19	M40	38,0	0,3	50
1050.00.19	M50/Pg42	52,0	0,3	50
1063.00.19	M63/Pg48	57,0	0,3	50



AGRO No	∅ mm	H mm	
Verschlussbolzen aus Kunststoff		Synthetic locking pins	
Zum verschliessen nicht belegter Bohrungen in Mehrfach-Kabelverschraubungen		Usable as inserts to close unused holes in the sealings of multi duct cable glands	
1310.030.02	3	10	50
1310.050.02	5	12	50
1310.070.02	7	14	50
1310.090.02	9	16	50



AGRO No	M/Pg	mm	H mm	
Einschnittringe		Sealing/Packing rings		
Material: NBR		Material: NBR		
Passend zu Stopfbuchsen B 107 – B 263		Suitable for cable gland series B 107 – B 263		
B 107.00.03	M12/Pg7	4,0- 7,0	5,0	1
B 109.00.03	M16/Pg9	5,0-10,0	5,5	1
B 111.00.03	Pg11	8,0-12,0	6,0	1
B 113.00.03	Pg13	8,0-12,0	6,0	1
B 116.00.03	M20/Pg16	8,0-15,0	7,0	1
B 121.00.03	M25/Pg21	10,0-19,0	8,0	1
B 129.00.03	M32/Pg29	18,0-27,0	9,5	1
B 136.00.03	M40/Pg36	24,0-33,0	12,0	1
B 142.00.03	M50/Pg42	30,0-39,0	14,0	1
B 148.00.03	M63/Pg48	36,0-45,0	14,0	1

Technische Änderungen vorbehalten!

Technical modifications are subject to change!