

Pressure Gauge Adaptors

Model 910.14

Accessories, Mechanical

Service intended

Adaptors and fittings for the installation of pressure gauges and pressure gauge accessories.

Design features

Male-female adaptor

to provide adaption where the size of the pressure tap is different to the size of the pressure gauge thread.

Female-Female adaptor

to provide connection of two male threads of same or different size.

Male-male adaptor

to provide connection of two female threads of same or different size.

Self-sealing nipple (SS)

to adapt a smaller size pressure gauge thread to a larger size pressure tap. No sealing ring between pressure gauge and nipple is required. When fitted by WIKA, the nipple is additionally secured by a thread locking compound.

LH-RH union

per DIN 16 283. The union features a left-hand thread at one end and a right-hand thread at the other end. This feature is intended to provide positive sealing while the pressure gauge may be orientated into any direction. The principle does not allow tapered threads such as NPT.

Union nut with nipple

per DIN 16 284. These are intended to provide positive sealing while the pressure gauge may be orientated into any direction. The principle does not allow tapered threads such as NPT.

Compression fitting with ferrule

(flareless tube connector) These are intended to connect a pressure gauge to thin-walled high pressure tubing of copper, steel or stainless steel.

Flange with lens-type sealing ring

This is a DIN-standard high pressure connector using a lens-type metal-to-metal sealing ring suitable up to 4000 bar. The pressure gauge requires a specially shaped shank of G $\frac{3}{4}$.

Weld-on adaptor

with male thread, left-hand thread for the use with LH/RH union and with right-hand thread (per EN 837-1) for direct pressure port entry.



Adaptor male/female
G $\frac{1}{2}$ / G $\frac{1}{4}$ B



Compression fitting
G $\frac{1}{2}$ 400/6



LH/RH union
G $\frac{1}{2}$ / G $\frac{1}{2}$ LH



Self-sealing nipple
G $\frac{1}{4}$ / G $\frac{1}{2}$ B

Standard versions

Pressure connection

Gauge side per EN 837-1
Sizes and other dimensions see table overleaf

Materials

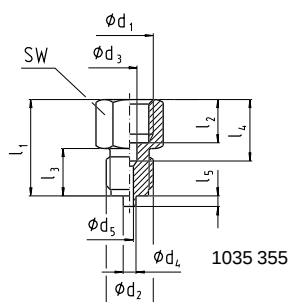
Brass,
Carbon steel,
Stainless steel 1.4571

Optional extras

Chromed brass,
Thread other than G

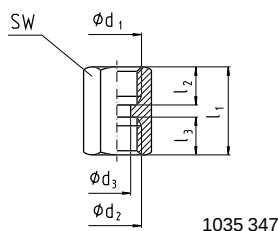
Dimensions [mm]

Male-female



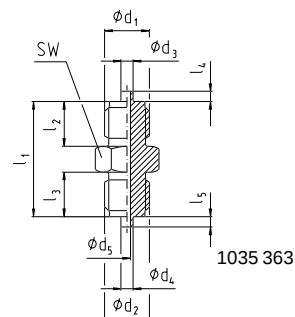
1035 355

Female-female



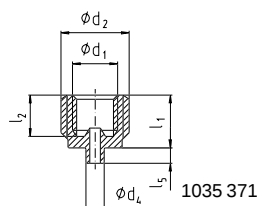
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Male-male



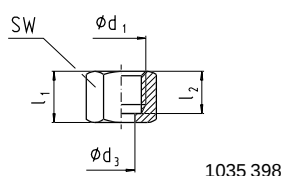
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Self-sealing nipple



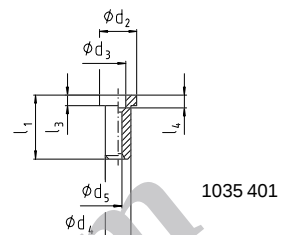
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Union nut



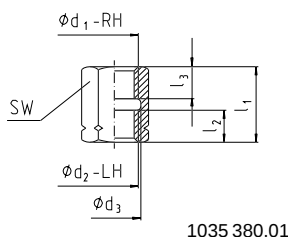
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Nipple



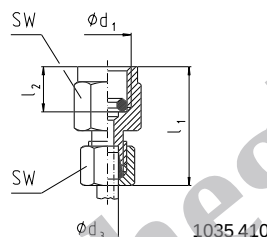
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LH/RH union



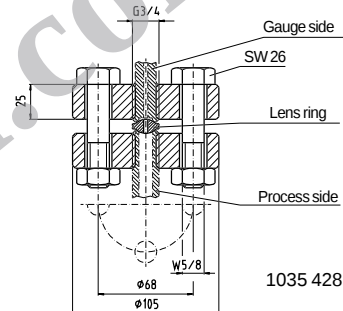
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Compression fitting with ferrule

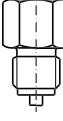


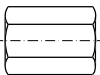
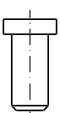
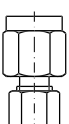
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Flange with lens-type sealing ring



1035 428

Design	Pressure connection ¹⁾		Dimensions [mm]									Material	Product no.
	d ₁	d ₂	d ₃	d ₄	d ₅	l ₁ ca.	l ₂ ca.	l ₃ ca.	l ₄ ca.	l ₅ ca.	SW		
 Female-male	G ⅛	G ¼ B	4.5	5	3	28	10	13	13	2	14	Brass	90 90924
	G ⅛	G ½ B	4.5	6	3	35	10	20	13	3	22	Brass	90 90207
	G ¼	G ⅝ B	5.5	-	3	29	13	10	16.5	-	17	Brass	90 90215
	G ¼	G ¾ B	5.5	5.5	3	33	13	16	16.5	3	19	Brass	90 90223
	G ¼	G ½ B	5.5	6	3	38	13	20	16.5	3	22	Brass	90 90231
	G ¼	G ½ B	5.5	6	3.5	38	13	20	16.5	3	22	1.4571	90 84924
	G ¼	¼ NPT	5.5	-	3	30	13	13	16.5	-	17	Brass	90 54936
	G ¼	M 10 x 1	5.5	-	3	29	13	10	16.5	-	17	Brass	90 64931
	G ¼	M 12 x 1.5	5.5	5	3	32	13	13	16.5	2	17	Brass	90 90240
	G ⅜	G ¼ B	7	5	3	36	16	13	19.5	2	22	Brass	90 90258
	G ⅜	G ½ B	7	6	3	43	16	20	19.5	3	22	Brass	90 90266
	G ½	G ¼ B	7	5	3	41	19	13	24.5	2	27	Brass	90 90274
	G ½	G ¼ B	7	5	3.5	41	19	13	24.5	2	27	St	90 74937
	G ½	¼ NPT	7	-	3	43	19	13	24.5	-	27	Brass	90 44930
	G ½	¼ NPT	7	-	3.5	43	19	13	24.5	-	27	1.4571	90 74929
	G ½	G ⅝ B	7	5.5	3	45	19	16	24.5	3	27	Brass	90 90282
	G ½	G ⅝ B	7	5.5	3.5	45	19	16	24.5	3	27	1.4571	90 24930
	G ½	G ½ B	7	6	3.5	46	19	20	24.5	3	27	1.4571	90 94920
	G ½	½ NPT	7	-	3.5	44	19	19	24.5	-	27	1.4571	90 64923
	G ½	½ NPT	7	-	3	44	19	19	24.5	-	27	Brass	90 34935
	G ½	G ¾ B	7	6	3	45	19	20	24.5	5	27	Brass	90 90290
	G ½	M 12 x 1.5	7	5	3	41	19	13	24.5	2	27	Brass	90 90304
	G ½	M 20 x 1.5	7	6	3.5	46	19	20	24.5	3	27	Brass	90 14934
	G ½	M 20 x 1.5	7	6	3	46	19	20	24.5	3	27	Brass	90 90312
	M 12 x 1.5	G ⅝ B	5.5	-	3	29	13	10	16.5	-	17	1.4571	90 90320
	M 12 x 1.5	G ¼ B	5.5	5	3	32	13	13	16.5	2	17	Brass	90 90339
	M 12 x 1.5	G ⅝ B	5.5	5.5	3	33	13	16	16.5	3	19	Brass	90 90347
	M 20 x 1.5	G ½ B	7	6	3	46	19	20	24.5	3	27	Brass	90 90355

Design	Pressure connection ¹⁾		Dimensions [mm]									Material	Product no.
	d ₁	d ₂	d ₃	d ₄	d ₅	l ₁ ca.	l ₂ ca.	l ₃ ca.	l ₄ ca.	l ₅ ca.	SW		
Female-female 	G 1/8	G 1/8	4.5	-	-	22	10	10	-	-	14	Brass	90 84932
	G 1/4	G 1/8	5.5	-	-	26	13	10	-	-	17	Brass	90 94938
	G 1/4	G 1/4	5.5	-	-	30	13	13	-	-	17	Brass	90 90363
	G 1/2	G 1/4	7	-	-	36	19	13	-	-	27	1.4571	90 14942
	G 1/2	G 1/2	7	-	-	43	19	19	-	-	27	1.4571	90 24948
	G 1/2	G 1/2	7	-	-	43	19	19	-	-	27	Brass	90 90371
	G 1/2	M 20 x 1.5	7	-	-	43	19	19	-	-	27	Brass	90 91700
	G 1/2	M 20 x 1.5	7	-	-	43	19	19	-	-	27	St	90 91718
	G 1/2	M 20 x 1.5	7	-	-	43	19	19	-	-	27	1.4571	90 91726
Male-male 	G 1/4 B	G 1/4 B	5	5	3	34	13	13	2	2	14	Brass	90 90380
	G 1/2 B	G 1/2 B	6	6	3	50	20	20	3	3	22	Brass	90 90398
	G 1/2 B	G 1/2 B	6	6	3.5	50	20	20	3	3	22	1.4571	90 34943
	G 1/2 B	1/2 NPT	6	-	3.5	49	20	-	3	-	22	1.4571	90 44949
SS nipple 	G 1/8	G 1/4 B	-	5	-	14.5	11	-	-	2	-	Brass	90 91076
	G 1/8	1/4 NPT	-	-	-	13.5	11	-	-	-	-	Brass	90 14950
	G 1/4	3/8 NPT	-	-	-	19	15.5	-	-	-	-	Brass	90 24956
	G 1/4	3/8 NPT	-	-	-	19	15.5	-	-	-	-	1.4571	90 74945
	G 1/4	G 3/8 B	-	5.5	-	19	15.5	-	-	3	-	1.4571	90 64940
	G 1/4	G 3/8 B	-	5.5	-	19	15.5	-	-	3	-	Brass	90 91084
	G 1/4	G 1/2 B	-	6	-	19	15.5	-	-	3	-	Brass	90 91092
	G 1/4	G 1/2 B	-	6	-	19	15.5	-	-	3	-	1.4571	90 54944
	G 1/4	1/2 NPT	-	-	-	19	15.5	-	-	-	-	Brass	90 34951
	G 1/4	1/2 NPT	-	-	-	19	15.5	-	-	-	-	1.4571	90 84940
	G 1/4	M 20 x 1.5	-	6	-	19	15.5	-	-	3	-	Brass	90 94946
LH/RH union DIN 16 283 	G 1/2-RH	G 1/2-LH	21.5	-	-	36	15.5	15.5	-	-	27	Brass	90 90401
	G 1/2-RH	G 1/2-LH	21.5	-	-	36	15.5	15.5	-	-	27	St	90 90410
	G 1/2-RH	G 1/2-LH	21.5	-	-	36	15.5	15.5	-	-	27	1.4571	90 92412
	G 1/2-RH	M 20 x 1.5-LH	21.5	-	-	36	15.5	15.5	-	-	27	Brass	90 90428
	G 1/2-RH	M 20 x 1.5-LH	21.5	-	-	36	15.5	15.5	-	-	27	St	90 90436
	M 20 x 1.5-RH	M 20 x 1.5-LH	20.5	-	-	36	15.5	15.5	-	-	27	Brass	90 90444
Union nut DIN 16 284 	G 1/4	PN 250	6.5	-	-	22	17	-	-	-	17	Brass	90 90479
	G 1/4	PN 400	6.5	-	-	22	17	-	-	-	17	St	90 90487
	G 1/2	PN 250	12.5	-	-	30	24	-	-	-	27	Brass	90 90495
	G 1/2	PN 400	12.5	-	-	30	24	-	-	-	27	St	90 90509
	G 1/2	PN 400	12.5	-	-	30	24	-	-	-	27	1.4571	90 92382
	M 12 x 1.5	PN 250	6.5	-	-	22	17	-	-	-	17	Brass	90 90517
	M 20 x 1.5	PN 250	12.5	-	-	30	24	-	-	-	27	Brass	90 90525
Nipple DIN 16 284 	for G 1/4 / M 12 x 1.5	9.5	5.5	6	2.5	30	-	6	4	-	-	Brass ³⁾	90 90533
	for G 1/4 / M 12 x 1.5	9.5	5.5	6	2.5	30	-	6	4	-	-	St ³⁾	90 90541
	for G 1/2 / M 20 x 1.5	17.5	7	12	3.5	30	-	6	6	-	-	Brass ³⁾	90 90550
	for G 1/2 / M 20 x 1.5	17.5	7	12	3.5	30	-	6	6	-	-	St ³⁾	90 90568
	for G 1/2 / M 20 x 1.5	17.5	7	12	3.5	30	-	6	6	-	-	1.4571	90 92390
Compression fitting ²⁾ 	G 1/4	PN 100	4	-	-	33	14.5	-	-	-	19/10	St	90 90932
	G 1/4	PN 250	6	-	-	37	14.5	-	-	-	19/14	St	90 90452
	G 1/2	PN 600	6	-	-	46	20	-	-	-	27/17	St	90 90460
	G 1/2	PN 600	6	-	-	46	20	-	-	-	27/17	1.4571	90 91734
	G 1/2	PN 600	8	-	-	46	20	-	-	-	27/19	St	90 90940
	G 1/2	PN 600	8	-	-	46	20	-	-	-	27/19	1.4571	90 91742
	G 1/2	PN 600	10	-	-	47	20	-	-	-	27/22	St	90 91246
	G 1/2	PN 600	10	-	-	47	20	-	-	-	27/22	1.4571	90 91750
	G 1/2	PN 600	12	-	-	47	20	-	-	-	27/24	St	90 91254
	G 1/2	PN 600	12	-	-	47	20	-	-	-	27/24	1.4571	90 91769
Lens-type flange 	G 3/4	≤4000 bar	Dimensions see drawing									St	90 91165

Threads other than listed above may require minimum order quantity and extended delivery lead time

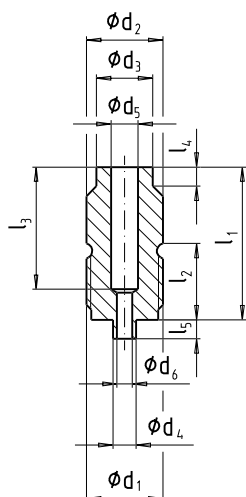
1) Connections per EN 837-1 except of G 3/4 B thread size

2) Supplied inclusive ferrule. From PN 250 upwards and in relation to the applicable PN, for higher temperatures the following pressure reductions have to be applied: at 100 °C = 11%, at 200 °C = 20%, at 300 °C = 29%, at 400 °C = 33%.

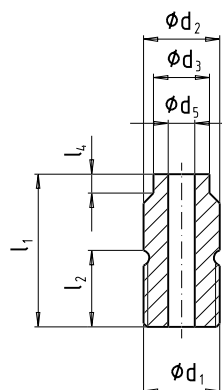
3) Brass = Cu Zn 39 Pb 3 (2.0401).
St = 9 S Mn Pb 28 (1.0718).

Weld-on adaptor

with parallel pipe thread
per **EN 837-1** ¹⁾



Per **DIN 16 282, design 6** with
left-hand thread LH for LH/RH union



1273 515

Standard	d ₁	d ₂ SW	d ₃	d ₄	d ₅	d ₆ max.	l ₁	l ₂	l ₃	l ₄	Product no.	
											Material	
											1.4571	St
EN 837-1	G ½ B	20	14.7	6	7	4	40	20	32	5	90 94962	90 95020
	M 20 x 1.5 ²⁾	20	14.7	6	7	4	40	20	32	5	90 94970	90 95039
	½ NPT	20	14.7	6	7	4	40	20	32	5	90 94989	90 95047
DIN 16 282	G ½ B - LH	20	14.7	-	7	-	40	20	-	5	90 94997	90 95055
	M 20 x 1.5 - LH ²⁾	20	14.7	-	7	-	40	20	-	5	90 95004	90 95063

1) Like the former design 4 per DIN 16 282

2) The metric ISO threads were based on the withdrawn DIN 16 288 : 1987.

These threads are no longer standardised in the EN 837 and DIN 16 282.

Ordering information

To order the described products the 7-digit product number is sufficient / Optional extras required

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.
Modifications may take place and materials specified may be replaced by others without prior notice.



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