

## Mechanical, accessories

### Adaptors, fittings and sealing washers

#### Service intended

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



#### Male-female adaptor

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

#### 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 such as NPT.

#### Union nut with tail piece

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.

#### Self-sealing nipple

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 tecs, the nipple is additionally secured by a thread locking compound.

#### Sealing rings

Other than common flat sealing washers, the **tecs** sealing ring provides positive metal-to-metal sealing of pressure gauge connectors in compliance with applicable standards such as EN 837 and British Standard 1780.

Available materials are copper, aluminium and stainless steel.

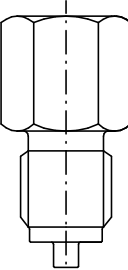
Its particular shape requires only 1/4 turn after hand-tight insertion to achieve excellent sealing quality and enables to orientate the pressure gauge over one full turn after sealing was made.

The **tecs** stainless steel sealing enables orientation of ca. 1/2 turn only, due to the strength of the material.

**Model: A1302, A1314**

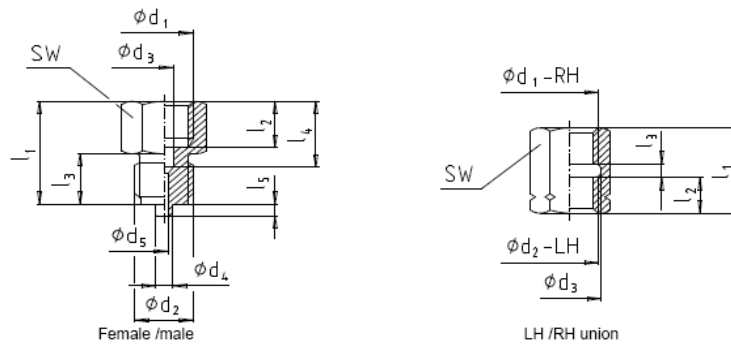
# Technical data

## Female/male Adaptor

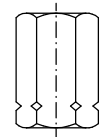
Design	Pressure connection				d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	SW	Article no
	female d <sub>1</sub>	male d <sub>2</sub>	Material	PN* bar										
	G 1/8	G 1/4 A	Brass	400	4,5	5	3	28	10	13	13	2	14	A1302X010021
	G 1/8	G 1/2 A	Brass	400	4,5	6	3	35	10	20	13	3	22	A1302X010029
	G 1/4	G 1/8 A	Brass	400	5,5	--	3	29	13	10	16,5	--	17	A1302X010011
	G 1/4	1/4 NPT	Brass	600	5,5	--	3	30	13	13	16,5	--	17	A1302X010030
	G 1/4	M 10x1	Brass	600	5,5	--	3	29	13	10	16,5	--	17	A1302X010031
	G 1/4	G 3/8 A	Brass	600	5,5	5,5	3	33	13	16	16,5	3	19	A1302X010010
	G 1/4	G 1/2 A	Brass	600	5,5	6	3	38	13	20	16,5	3	22	A1302X010009
	G 1/4	M12x1,5	Brass	600	5,5	5	3	32	13	13	16,5	2	17	A1302X010008
	G 3/8	G 1/4 A	Brass	600	7	5	3	36	16	13	19,5	2	22	A1302X010032
	G 3/8	G 1/2 A	Brass	600	7	6	3	43	16	20	20	3	22	A1302X010033
	G 1/2	G 1/4 A	Brass	600	7	5	3	41	19	13	24,5	2	27	A1302X010007
	G 1/2	G 3/8 A	Brass	600	7	5,5	3	45	19	16	24,5	3	27	A1302X010006
	G 1/2	G 3/4 A	Brass	600	7	6	3	45	19	20	24,5	5	27	A1302X010005
	G 1/2	1/2 NPT	Brass	600	7	--	3	44	19	19	24,5	--	27	A1302X010022
	G 1/2	M12x1,5	Brass	600	7	5	3	41	19	13	24,5	2	27	A1302X010004
	G 1/2	M12x1,5	Brass	600	5,5	5	2,5	37	19	12	17	3	27	A1302X010023
	G 1/2	M16x1,5	Brass	600	7	6	3,5	45	19	20	29	5	27	A1302X010002
	G 1/2	M20x1,5	Brass	1000	7	6	3	46	19	20	24,5	3	27	A1302X010001
	G 1/2	G 1/4 A	St	600	7	5	3	41	19	13	24,5	2	27	A1302X010034
	G 1/2	G 3/8 A	1.4571	600	7	5	3	45	19	16	24,5	3	27	A1302X010035
	G 1/2	G 1/2 A	1.4571	1000	7	6	3,5	46	19	20	24,5	3	27	A1302X010036
	G 1/4	G 1/2 A	1.4571	600	5,5	6	3,5	38	13	20	16,5	3	22	A1302X010024
	G 1/2	1/4 NPT	1.4571	600	7	--	3,5	43	19	13	24,5	--	27	A1302X010025
	G 1/2	1/2 NPT	1.4571	1000	7	--	3,5	44	19	19	24,5	--	27	A1302X010026
	G 1/2	M20x1,5	1.4571	1000	7	6	3,5	46	19	20	24,5	3	27	A1302X010027
	M 12x1,5	G 3/8 A	Brass	600	5,5	5,5	3	33	13	16	16,5	3	19	A1302X010037
	M 12x1,5	G 1/8 A	Brass	400	5,5	--	3	29	13	10	16,5	--	17	A1302X010038
	M 12x1,5	G 1/2 A	Brass	600	5,5	5	3	32	13	13	16,5	2	17	A1302X010039
M 20x1,5	G 1/4 A	Brass	1000	7	6	3	46	19	20	24,5	3	27	A1302X010040	

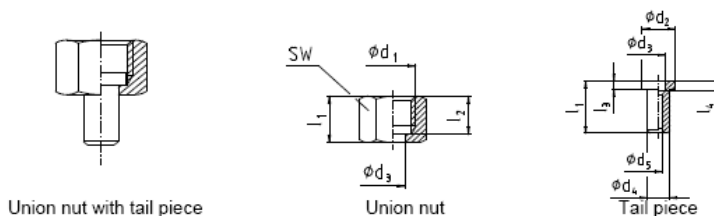
\*Only approximate value

## Dimensions



## LH/RH union acc. To DIN 16 283

Design	Pressure connection				d <sub>3</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	SW	Article no
	female - d <sub>1</sub>	male - d <sub>2</sub>	Material	PN ( bar )						
	G 1/2-RH	G 1/2-LH	Brass	250	21,5	36	16	16	27	A1302X030001
	G 1/2-RH	G 1/2-LH	St	400	21,5	36	16	16	27	A1302X030002
	G 1/2-RH	M20x1,5-LH	Brass	250	21,5	36	16	16	27	A1302X030003
	G 1/2-RH	M20x1,5-LH	St	400	21,5	36	16	16	27	A1302X030004
	G 1/2-RH	M20x1,5-LH	Brass	250	21,5	36	16	16	27	A1302X030007
G 1/2-RH	G 1/2-LH	1.4571	400	21,5	36	16	16	27	A1302X030006	

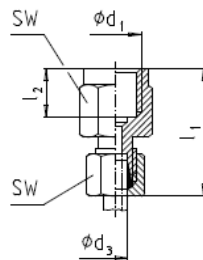


### Union nut acc. to DIN 16 284

Design	Pressure connection			$d_3$	$l_1$	$l_2$	SW	Article no
	female - $d_1$	Material	PN ( bar )					
	G 1/4	Brass	250	6,5	22	17	17	A1302X040002
	G 1/2	Brass	250	12,5	30	24	27	A1302X040001
	G 1/2	St	400	12,5	30	24	27	A1302X040005
	G 1/2	1.4571	400	12,5	30	24	27	A1302X040004
	M12x1,5	Brass	250	6,5	22	17	17	A1302X040006
	M20x1,5	Brass	250	12,5	30	24	27	A1302X040007

### Tail piece acc. to DIN 16 284

Design	Pressure connection				$d_3$	$d_4$	$d_5$	$l_1$	$l_2$	$l_3$	Article no .
	female $d_1$	$d_2$	Material	PN ( bar )							
	G 1/4	9,5	Brass	250	5,5	6	2,5	30	6	4	A1302X050002
	G 1/4	9,5	St	250	5,5	6	2,5	30	6	4	A1302X050005
	G 1/2	17,5	Brass	250	7	12	3,5	30	6	6	A1302X050001
	G 1/2	17,5	1.4571	400	7	12	3,5	30	6	6	A1302X050004



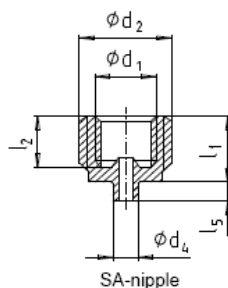
Compression fitting with ferrule

### Compression fitting with ferrule

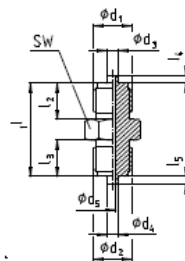
Design	Pressure connection			$d_3$	$l_1$	$l_2$	SW	Article no .
	female - $d_1$	Material	PN ( bar )					
	G 1/4	St	100	4	33	15	19/10	A1302X020009
	G 1/4	St	250	6	37	15	19/14	A1302X020001
	G 1/2	St	600	6	46	20	27/17	A1302X020002
	G 1/2	St	600	8	46	20	27/19	A1302X020006
	G 1/2	St	600	10	47	20	27/22	A1302X020004
	G 1/2	St	600	12	47	20	27/24	A1302X02.005
	G 1/2	1.4571	600	6	46	20	27/17	A1302X020007
	G 1/2	1.4571	600	8	46	20	27/19	A1302X020008
	G 1/2	1.4571	600	10	47	20	27/22	A1302X020010
	G 1/2	1.4571	600	12	47	20	27/24	A1302X020011

### Self-sealing nipple

Design	Pressure connection			PN ( bar )	$d_3$	$l_1$	$l_2$	SW	Article no
	female - $d_1$	male - $d_2$	Material						
	G 1/8	G 1/4 A	Brass	400	5	15	11	2	A1302X100001
	G 1/8	1/4 NPT	Brass	400	--	14	11	--	A1302X100002
	G 1/4	G 3/8 A	Brass	400	5,5	19	16	3	A1302X100003
	G 1/4	3/8 NPT	Brass	400	--	19	16	--	A1302X100008
	G 1/4	M 20x1,5	Brass	400	6	19	16	3	A1302X100009
	G 1/4	G 1/2 A	Brass	400	6	19	16	3	A1302X100004
	G 1/4	1/2 NPT	Brass	400	--	19	16	--	A1302X100005
	G 1/4	G 3/8 A	1.4571	400	5,5	19	16	3	A1302X100010
	G 1/4	3/8 NPT	1.4571	400	--	19	16	--	A1302X100011
	G 1/4	G 1/2 A	1.4571	400	6	19	16	3	A1302X100006
	G 1/4	1/2 NPT	1.4571	400	--	19	16	--	A1302X100007

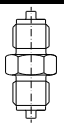


SA-nipple

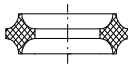


Male / male


Male – male

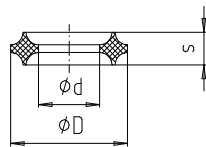
Design	Pressure connection		Material	PN (bar)	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	SW	Article no
	male d <sub>1</sub>	male d <sub>2</sub>												
	G 1/4 A	G 1/4 A	Brass	400	5	5	3	34	13	13	2	2	14	A1302X060001
	G 1/2 A	G 1/2 A	Brass	400	6	6	3	50	20	20	3	3	22	A1302X060002
	G 1/2 A	G 1/2 A	1.4571	600	6	6	3,5	50	20	20	3	3	22	A1302X060004
	G 1/2 A	1/2 NPT	1.4571	600	6	--	3,5	49	20	--	3	--	22	A1302X060003

Profile-Gaskets, body centered by spigot

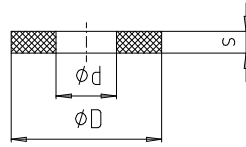
Design	Pressure connection	Material	Dimensions in mm			Article no
			D <sub>+0,2</sub>	d <sub>-0,2</sub>	s	
	G 1/4	Cu	11	5,5	3,2	A1314X020002
	G 1/2	Cu	18,2	11	4,2	A1314X020009
	M12x1,5	Cu	9,8	5,5	3,2	A1314X020010
	G 1/4	Al	11	5,5	3,2	A1314X020011

Profile-Gaskets, outside centered in screwed hole

Design	Pressure connection	Material	Dimensions in mm			Article no
			D <sub>+0,2</sub>	d <sub>-0,2</sub>	s	
	G 1/8	Cu	8	4,1	2,7	A1302X040002
	G 1/4, M 12x1,5	Cu	9,3	5,4	3,2	A1302X040001
	G 1/2, G 3/8, M20x1,5	Cu	14,8	8	4,2	A1302X040005
	G 1/4, M12x1,5	Al	9,3	5,4	3,2	A1302X040004
	G 1/4, M12x1,5	1.4571	9,3	5,4	3,2	A1302X040006
	G 1/2, G 3/8, M20x1,5	1.4571	14,8	8	4,2	A1302X040007

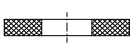


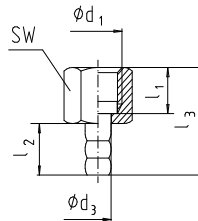
Profile-Gasket



Flat-Gasket acc. to EN 837

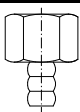
Flat-Gasket acc. to EN 837

Design	Pressure connection	Material	Dimensions in mm			Article no
			D <sub>+0,2</sub>	d <sub>-0,2</sub>	s	
	G 1/4, M 12x1,5	Cu	9,5	5,2	1,5	A1314X010009
	G 1/2, M 20x1,5	Cu	17,5	6,2	2,0	A1314X010001
	G 1/4, M 12x1,5	NP 300	9,5	5,2	1,5	A1314X010005
	G 1/2, M 20x1,5	NP 300	17,5	6,2	2,5	A1314X010006
	G 1/4, M 12x1,5	PTFE	9,5	5,2	0,5	A1314X010007
	G 1/2, M 20x1,5	PTFE	17,5	6,2	0,5	A1314X010008



Bush, flexible tube connection

Bush, flexible tube connection

Design	Pressure connection		Material	PN (bar)	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	SW	Article no
	female - d <sub>1</sub>	male - d <sub>3</sub>							
	G 1/4	4	Brass	10	12	14	35	17	A1302X070003
	G 1/2	4	Brass	10	22	14	44	27	A1302X070004
	G 1/2	6	Brass	10	22	14	44	27	A1302X070005
	G 1/2	8	Brass	10	22	14	44	27	A1302X070006