



J1B6G A

Screw-in tube unions with Whitworth thread

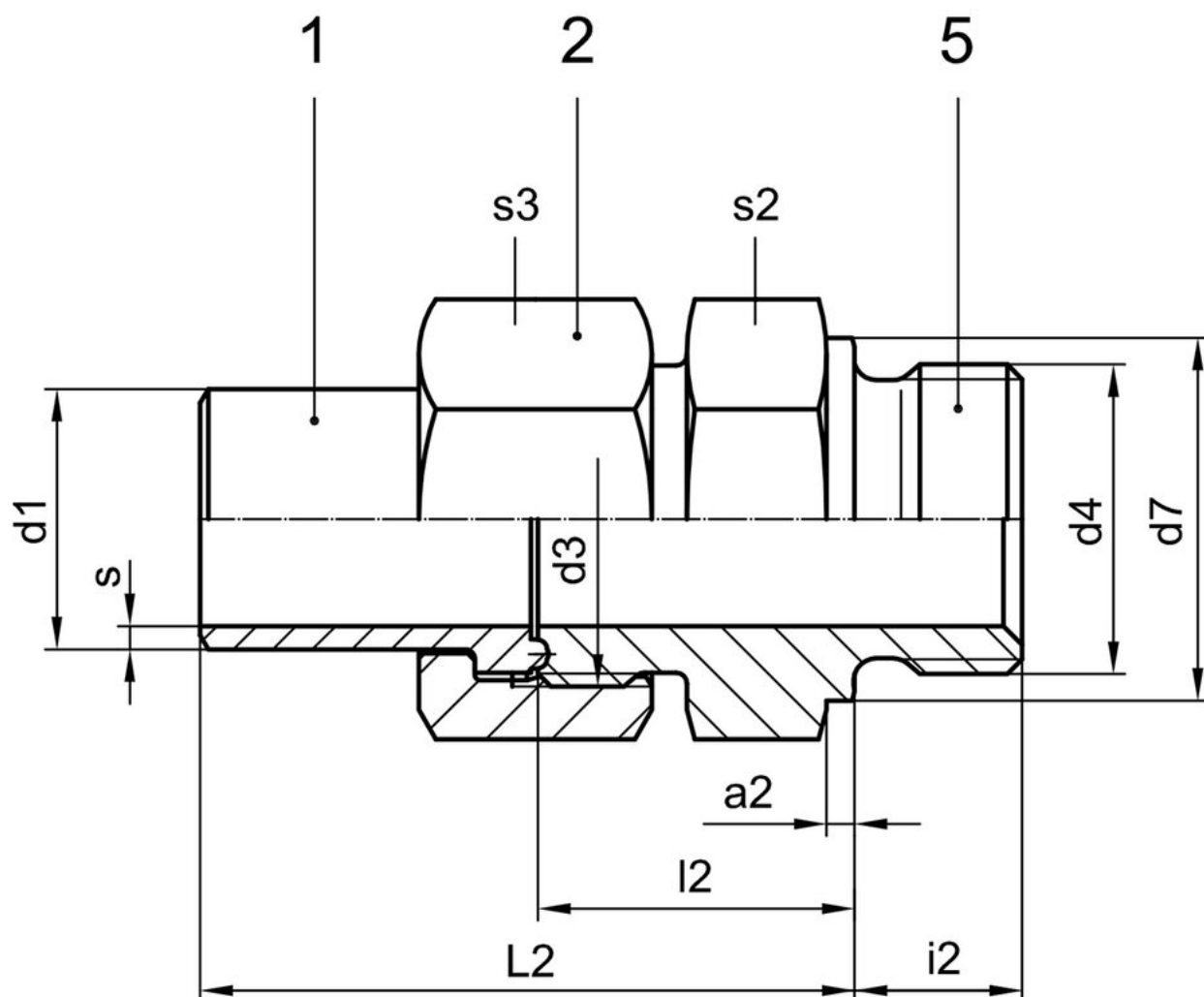
Straight DILLO tube unions are available with weld-on ends for applications where high vibration resistance is required. They are also available with weld-on end and screw-in thread. Different threads enable appropriate connections. On request, we also supply unions in materials with standing temperatures from -270 °C up to +650 °C. Permanent tightness is guaranteed, no matter which version is selected!



The actual product may differ slightly from the image.

Technical data

Nominal pressure (in bar)	PN100
Nominal width (in mm)	DN6
d1	8 mm
s	1.5 mm
d3	M 16x1.5
d4	G ¼ A
d7	18 mm
L2	41 mm
l1	18 mm
i1	12 mm
a2	2 mm
s2	Wrench size19
s3	Wrench size 19
Material according to DIN EN	1.0460
Material description	Steel



Advantages & functions

- With weld-on end and screw-in thread
- Available for tube diameters from DN 3 up to DN 50
- Temperature-resistant from -270 °C up to +650 °C dependant on the material used (At operating temperatures below -197°C, additional tests must be carried out on the raw material in accordance with the specifications of EN 13445 / AD2000 to ensure material integrity and suitability.)
- Available for pressures up to 1.000 bar on request
- Also available in other DIN EN materials
- Three-part union consisting of weld-on stub, clamping nut and screw-in stub

M1B-G Series for pressures up to PN 100:

DN	d ₁	s	d ₃	d ₄	d ₇	L ₂	l ₂	i ₂	a ₂	s ₂	s ₃	Order number
4	6	1,25	M 14x1,5	G 1/8 A	14	39	18	8	1,5	14	17	M1B 4 G
6	8	1,5	M 16x1,5	G ¼ A	18	41	18	12	2	19	19	M1B 6 G
8	10	1,5	M 18x1,5	G ¼ A	18	46	21	12	2	19	22	M1B 8 G
10	12	1,75	M 20x1,5	G 3/8 A	22	49	22	12	2,5	22	24	M1B 10 G
12	15	2	M 22x1,5	G ½ A	26	54	25	14	3	27	27	M1B 12 G
16	18	2	M 26x1,5	G ½ A	26	56	25	14	3	27	32	M1B 16 G
20	22	2	M 30x1,5	G ¾ A	32	63	29	16	3	32	36	M1B 20 G
25	28	2,5	M 36x2	G 1 A	39	71	34	18	3	41	41	M1B 25 G
32	35	2,5	M 45x2	G 1 ¼ A	49	76	36	20	3	50	50	M1B 32 G
40a	42	3	M 52x2	G 1 ½ A	55	82	39	22	3	55	60	M1B 40a G
40	44	3	M 56x2	G 1 ½ A	55	83	40	22	3	60	65	M1B 40 G
50	57	4	M 68x2	G 2 A	68	92	44	24	3,5	70	75	M1B 50 G

J1B-G Series for pressures up to PN 100:

DN	d ₁	s	d ₃	d ₄	d ₇	L ₂	l ₂	i ₂	a ₂	s ₂	s ₃	Order number
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4	6	1,25	M 14x1,5	G 1/8 A	14	39	18	8	1,5	14	17	J1B 4 G
6	8	1,5	M 16x1,5	G ¼ A	18	41	18	12	2	19	19	J1B 6 G
8	10	1,5	M 18x1,5	G ¼ A	18	46	21	12	2	19	22	J1B 8 G
10	13,5	1,75	M 22x1,5	G 3/8 A	22	57	26	12	2,5	24	27	J1B 10 G
12	17	2,5	M 24x1,5	G ½ A	26	58	27	14	3	27	30	J1B 12 G
16	21	2,5	M 30x2	G ¾ A	32	67	31	16	3	32	36	J1B 16 G
20	27	3	M 36x2	G 1 A	39	73	36	18	3	41	41	J1B 20 G
25	34	3,5	M 45x2	G 1 ¼ A	49	76	36	20	3	50	50	J1B 25 G
32	42	3,5	M 52x2	G 1 ½ A	55	84	40	22	3	55	60	J1B 32 G
40	49	4	M 60x2	G 1 ¾ A	62	92	44	24	3,5	65	70	J1B 40 G
50	60	5	M 72x2	G 2 A	68	97	46	24	3,5	75	80	J1B 50 G

M2B-G Series for pressures up to PN 200:

DN	d ₁	s	d ₃	d ₄	d ₇	L ₂	l ₂	i ₂	a ₂	s ₂	s ₃	Order number
3	6	1,5	M 14x1,5	G ¼ A	18	46	21	12	2	19	19	M2B 3 G
4	8	2	M 16x1,5	G ¼ A	18	46	21	12	2	19	22	M2B 4 G
6	10	2	M 18x1,5	G 3/8 A	22	48	23	12	2,5	22	22	M2B 6 G
8	12	2	M 20x1,5	G 3/8 A	22	50	23	12	2,5	22	24	M2B 8 G
10	13,5	1,75	M 22x1,5	G ½ A	26	58	27	14	3	27	27	M2B 10 G
12	16	2,5	M 24x1,5	G ½ A	26	58	27	14	3	27	30	M2B 12 G
16	20	2,5	M 30x2	G ¾ A	32	67	31	16	3	32	36	M2B 16 G

20	25	2,5	M 36x2	G 1 A	39	77	36	18	3	41	46	M2B 20 G
25	30	3	M 42x2	G 1 ¼ A	49	84	40	20	3	50	50	M2B 25 G
32	38	3,5	M 52x2	G 1 ½ A	55	93	43	22	3	55	60	M2B 32 G
40	44	4,25	M 56x2	G 1 ¾ A	62	102	47	24	3,5	65	65	M2B 40 G
50	57	6	M 68x2	G 2 A	68	109	49	24	3,5	70	80	M2B 50 G

J2B-G Series for pressures up to PN 250:

DN	d ₁	s	d ₃	d ₄	d ₇	L ₂	l ₂	i ₂	a ₂	s ₂	s ₃	Order number
3	6	1,5	M 14x1,5	G ¼ A	18	46	21	12	2	19	19	J2B 3 G
4	8	2	M 16x1,5	G ¼ A	18	46	21	12	2	19	22	J2B 4 G
6	10	2	M 18x1,5	G 3/8 A	22	48	23	12	2,5	22	22	J2B 6 G
8	12	2	M 20x1,5	G 3/8 A	22	50	23	12	2,5	22	24	J2B 8 G
10	13,5	1,75	M 22x1,5	G ½ A	26	58	27	14	3	27	27	J2B 10 G
12	17	2,5	M 24x1,5	G ½ A	26	59	28	14	3	27	30	J2B 12 G
16	21	2,5	M 30x2	G ¾ A	32	68	32	16	3	32	36	J2B 16 G
20	27	3,5	M 36x2	G 1 A	39	77	36	18	3	41	46	J2B 20 G
25	34	4,5	M 45x2	G 1 ¼ A	49	85	41	20	3	50	55	J2B 25 G
32	42	4	M 52x2	G 1 ½ A	55	94	44	22	3	55	60	J2B 32 G
40	50	5,5	M 64x2	G 1 ¾ A	62	102	47	24	3,5	65	75	J2B 40 G

M3B-G Series for pressures up to PN 320:

DN	d ₁	s	d ₃	d ₄	d ₇	L ₂	l ₂	i ₂	a ₂	s ₂	s ₃	Order number
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3	6	1,5	M 14x1,5	G ¼ A	18	46	21	12	2	19	19	M3B 3 G
4	8	2	M 16x1,5	G ¼ A	18	46	21	12	2	19	22	M3B 4 G
5	10	2,5	M 18x1,5	G 3/8 A	22	48	23	12	2,5	22	24	M3B 5 G
6	12	3	M 20x1,5	G 3/8 A	22	54	25	12	2,5	22	27	M3B 6 G
8	13,5	2,75	M 22x1,5	G ½ A	26	58	27	14	3	27	30	M3B 8 G
10	16	3	M 24x1,5	G ½ A	26	64	29	14	3	27	32	M3B 10 G
12	20	4	M 30x2	G ¾ A	32	73	33	16	3	32	36	M3B 12 G
16	25	4,5	M 36x2	G 1 A	39	81	38	18	3	41	46	M3B 16 G
20	30	5	M 42x2	G 1 ¼ A	49	90	42	20	3	50	50	M3B 20 G
25a	35	5,5	M 48x2	G 1 ½ A	55	96	45	22	3	55	55	M3B 25a G
25	38	6	M 52x2	G 1 ½ A	55	99	45	22	3	55	60	M3B 25 G
32	44	6,75	M 60x2	G 1 ¾ A	62	110	49	24	3,5	65	70	M3B 32 G

J3B-G Series for pressures up to PN 320:

DN	d ₁	s	d ₃	d ₄	d ₇	L ₂	l ₂	i ₂	a ₂	s ₂	s ₃	Order number
3	6	1,5	M 14x1,5	G ¼ A	18	46	21	12	2	19	19	J3B 3 G
4	8	2	M 16x1,5	G ¼ A	18	46	21	12	2	19	22	J3B 4 G
5	10	2,5	M 18x1,5	G 3/8 A	22	48	23	12	2,5	22	24	J3B 5 G
6	12	3	M 20x1,5	G 3/8 A	22	54	25	12	2,5	22	27	J3B 6 G
8	13,5	2,75	M 22x1,5	G ½ A	26	58	27	14	3	27	30	J3B 8 G
10	17	3	M 27x2	G ½ A	26	67	32	14	3	30	36	J3B 10 G

12	21	4	M 33x2	G ¾ A	32	75	35	16	3	36	41	J3B 12 G
16	27	4,5	M 39x2	G 1 A	39	82	39	18	3	41	46	J3B 16 G
20	34	5,5	M 48x2	G 1 ¼ A	49	94	45	20	3	50	55	J3B 20 G
25	42	7	M 56x2	G 1 ½ A	55	101	47	22	3	60	65	J3B 25 G
32	48	6,5	M 64x2	G 1 ¾ A	62	111	50	24	3,5	65	70	J3B 32 G

M6B Series for pressures up to PN 640:

DN	d ₁	s	d ₃	d ₄	d ₇	L ₂	l ₂	i ₂	a ₂	s ₂	s ₃	Order number
4	10	3	M 20x1,5	G ½ A	26	54	28	13	3	27	27	M6B 4G
6	10	2	M 22x1,5	G ½ A	26	57	28	14	3	27	32	M6B 6G
8	13,5	2,75	M 26x1,5	G ¾ A	32	67	32	16	3	32	36	M6B 8G
10	17	3,5	M 30x2	G 1 A	39	76	37	18	3	42	41	M6B 10G
12	20	4	M 33x2	G 1 ¼ A	49	87	40	20	3	50	46	M6B 12G
16	25	5	M 42x2	G 1 ¼ A	49	93	43	20	3	50	55	M6B 16G
20	30	6	M 45x2	G 1 ½ A	55	120	54	22	3	55	60	M6B 20G
25	38	7,5	M 52x2	G 3 ¾ A	62	131	58	24	3	65	65	M6B 25G

M10B Series for pressures up to PN 1000:

DN	d ₁	s	d ₃	d ₄	d ₇	L ₂	l ₂	i ₂	a ₂	s ₂	s ₃	Order number
4	10	3,25	M 22x1,5	G ½ A	26	70	35	14	3	27	32	M10B 4G
6	13,5	3,75	M 26x1,5	G ¾ A	32	80	38	16	3	32	36	M10B 6G
8	17	4,5	M 30x2	G 1 A	39	97	47	18	3	41	41	M10B 8G

10	20	5	M 33x2	G 1 ¼ A	49	101	50	20	3	50	46	M10B 10G
12	25	6,5	M 42x2	G 1 ¼ A	49	118	55	20	3	50	55	M10B 12G

For orders on individual parts we need the following information:

Pieces	Component	Designation	Order number	Material number
1	1	Weld-on stub	(Series)-(DN)- 1	_____
1	2	Clamping nut	(Series)-(DN)- 2	_____
1	5	Screw-in stub	(Series)-(DN)- 5	_____