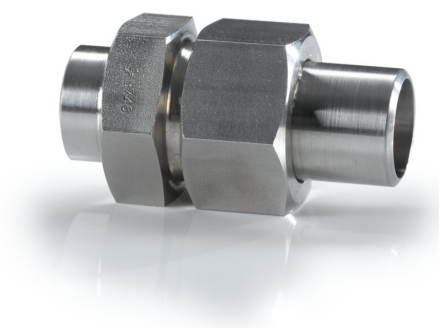


J1A16 C
Weld-on tube unions

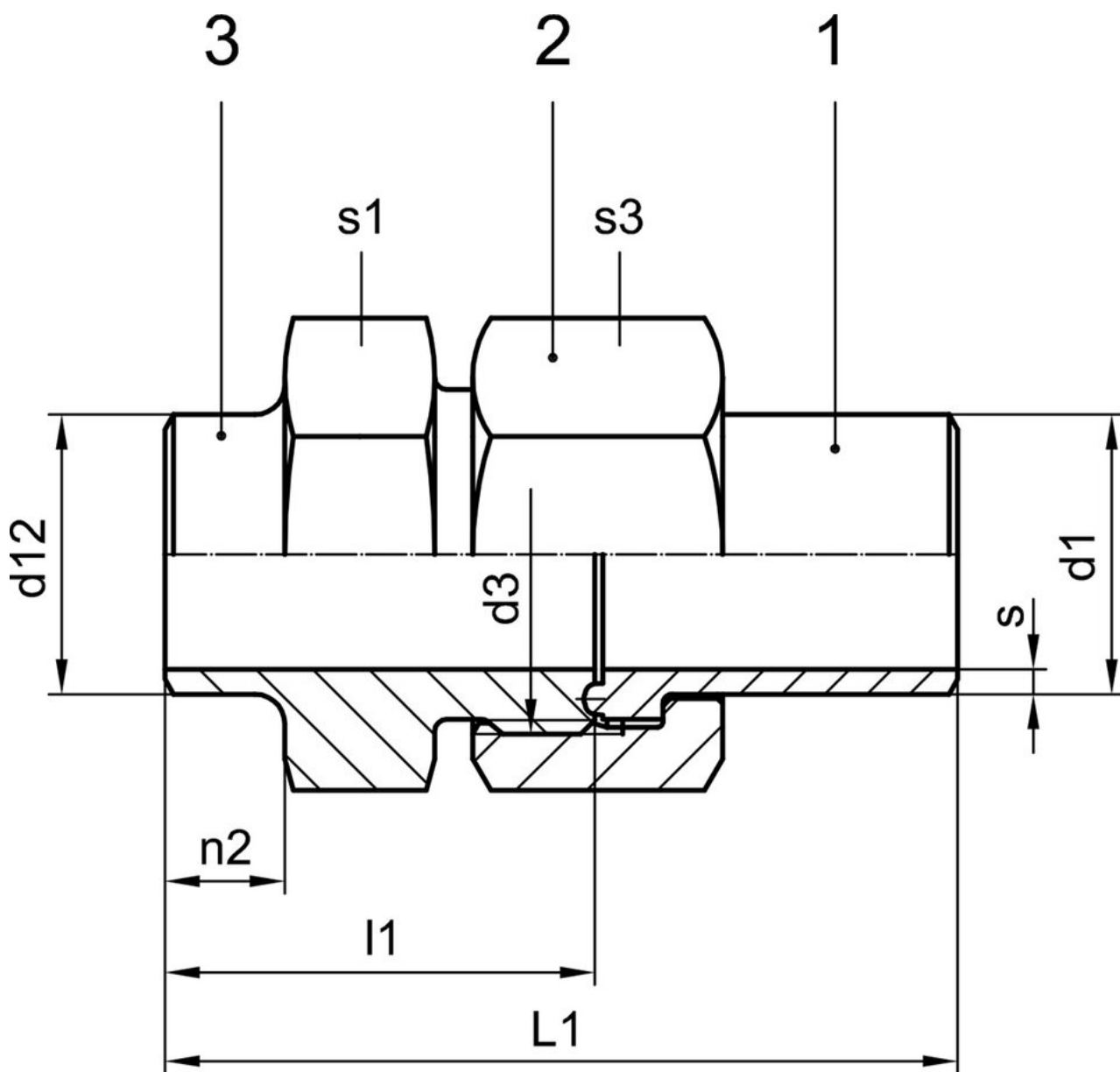
Straight DILLO tube unions are available with weld-on ends for applications where high vibration resistance is required. They are also available with weld-on end and screw-in thread. Different threads enable appropriate connections. On request, we also supply unions in materials with standing temperatures 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)	DN16
d1	21 mm
s	2.5 mm
d3	M 30x2
d12	21 mm
L1	76 mm
l1	40 mm
n2	12 mm
s1	Wrench size 32
s3	Wrench size 36
Material according to DIN EN	1.4571
Material description	Stainless steel



Advantages & functions

- With weld-on ends
- Available for tube diameters from DN 3 up to DN 50
- Temperature-resistant from -270 °C up to +650 °C (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
- Available in DIN EN materials
- Three-part union consisting of weld-on stub, clamping nut and weld-on screw stub

M1A Series for pressures up to PN 100:

DN	d ₁	s	d ₃	d ₁₂	L ₁	l ₁	n ₂	s ₁	s ₃	Order number
4	6	1,25	M 14x1,5	6	46	25	9	14	17	M1A 4
6	8	1,5	M 16x1,5	8	49	26	10	17	19	M1A 6
8	10	1,5	M 18x1,5	10	54	29	10	19	22	M1A 8
10	12	1,75	M 20x1,5	12	57	30	10	22	24	M1A 10
12	15	2	M 22x1,5	15	60	31	10	24	27	M1A 12
16	18	2	M 26x1,5	18	63	32	10	27	32	M1A 16
20	22	2	M 30x1,5	22	72	38	12	32	36	M1A 20
25	28	2,5	M 36x2	28	80	43	12	41	41	M1A 25
32	35	2,5	M 45x2	35	86	46	14	46	50	M1A 32
40a	42	3	M 52x2	42	95	52	16	55	60	M1A 40a
40	44	3	M 56x2	44	96	53	16	60	65	M1A 40
50	57	4	M 68x2	57	106	58	18	70	75	M1A 50

J1A Series for pressures up to PN 100:

DN	d ₁	s	d ₃	d ₁₂	L ₁	l ₁	n ₂	s ₁	s ₃	Order number
4	6	1,25	M 14x1,5	6	46	25	9	14	17	J1A 4
6	8	1,5	M 16x1,5	8	49	26	10	17	19	J1A 6
8	10	1,5	M 18x1,5	10	54	29	10	19	22	J1A 8
10	13,5	1,75	M 22x1,5	13,5	64	33	10	24	27	J1A 10
12	17	2,5	M 24x1,5	17	65	34	10	27	30	J1A 12
16	21	2,5	M 30x2	21	76	40	12	32	36	J1A 16
20	27	3	M 36x2	27	81	44	12	41	41	J1A 20
25	34	3,5	M 45x2	34	87	47	14	46	50	J1A 25

32	42	3,5	M 52x2	42	98	54	16	55	60	J1A 32
40	49	4	M 60x2	49	106	58	17	65	70	J1A 40
50	60	5	M 72x2	60	114	63	20	75	80	J1A 50

M2A Series for pressures up to PN 200:

DN	d ₁	s	d ₃	d ₁₂	L ₁	l ₁	n ₂	s ₁	s ₃	Order number
3	6	1,5	M 14x1,5	6	52	27	9	17	19	M2A 3
4	8	2	M 16x1,5	8	53	28	10	17	22	M2A 4
6	10	2	M 18x1,5	10	54	29	10	19	22	M2A 6
8	12	2	M 20x1,5	12	57	30	10	22	24	M2A 8
10	13,5	1,75	M 22x1,5	13,5	64	33	10	24	27	M2A 10
12	16	2,5	M 24x1,5	16	65	34	10	27	30	M2A 12
16	20	2,5	M 30x2	20	76	40	12	32	36	M2A 16
20	25	2,5	M 36x2	25	86	45	12	41	46	M2A 20
25	30	3	M 42x2	30	94	50	14	46	50	M2A 25
32	38	3,5	M 52x2	38	106	56	16	55	60	M2A 32
40	44	4,25	M 56x2	44	116	61	18	60	65	M2A 40
50	57	6	M 68x2	57	126	66	20	70	80	M2A 50

J2A Series for pressures up to PN 250:

DN	d ₁	s	d ₃	d ₁₂	L ₁	l ₁	n ₂	s ₁	s ₃	Order number
3	6	1,5	M 14x1,5	6	52	27	9	17	19	J2A 3
4	8	2	M 16x1,5	8	53	28	10	17	22	J2A 4
6	10	2	M 18x1,5	10	54	29	10	19	22	J2A 6
8	12	2	M 20x1,5	12	57	30	10	22	24	J2A 8
10	13,5	1,75	M 22x1,5	13,5	64	33	10	24	27	J2A 10
12	17	2,5	M 24x1,5	17	65	34	10	27	30	J2A 12
16	21	2,5	M 30x2	21	76	40	12	32	36	J2A 16
20	27	3,5	M 36x2	27	86	45	12	41	46	J2A 20
25	34	4,5	M 45x2	34	94	50	14	46	55	J2A 25

32	42	4	M 52x2	42	106	56	16	55	60	J2A 32
40	50	5,5	M 64x2	50	118	63	18	65	75	J2A 40

M3A Series for pressures up to PN 320:

DN	d ₁	s	d ₃	d ₁₂	L ₁	l ₁	n ₂	s ₁	s ₃	Order number
3	6	1,5	M 14x1,5	6	52	27	9	17	19	M3A 3
4	8	2	M 16x1,5	8	53	28	10	17	22	M3A 4
5	10	2,5	M 18x1,5	10	54	29	10	19	24	M3A 5
6	12	3	M 20x1,5	12	61	32	10	22	27	M3A 6
8	13,5	2,75	M 22x1,5	13,5	64	33	10	24	30	M3A 8
10	16	3	M 24x1,5	16	73	38	12	27	32	M3A 10
12	20	4	M 30x2	20	84	44	14	32	36	M3A 12
16	25	4,5	M 36x2	25	92	49	14	41	46	M3A 16
20	30	5	M 42x2	30	102	54	16	46	50	M3A 20
25a	35	5,5	M 48x2	35	109	58	17	50	55	M3A 25a
25	38	6	M 52x2	38	114	60	18	55	60	M3A 25
32	44	6,75	M 60x2	44	127	66	20	65	70	M3A 32

J3ASeries for pressures up to PN 320:

DN	d ₁	s	d ₃	d ₁₂	L ₁	l ₁	n ₂	s ₁	s ₃	Order number
3	6	1,5	M 14x1,5	6	52	27	9	17	19	J3A 3
4	8	2	M 16x1,5	8	53	28	10	17	22	J3A 4
5	10	2,5	M 18x1,5	10	54	29	10	19	24	J3A 5
6	12	3	M 20x1,5	12	61	32	10	22	27	J3A 6
8	13,5	2,75	M 22x1,5	13,5	64	33	10	24	30	J3A 8
10	17	3	M 27x2	17	76	41	12	30	36	J3A 10
12	21	4	M 33x2	21	86	46	14	36	41	J3A 12
16	27	4,5	M 39x2	27	94	51	14	41	46	J3A 16
20	34	5,5	M 48x2	34	107	58	17	50	55	J3A 20
25	42	7	M 56x2	42	116	62	18	60	65	J3A 25

32	48	6,5	M 64x2	48	128	67	20	65	70	J3A 32
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M6A Series for pressures up to PN 640:

DN	d ₁	s	d ₃	d ₁₂	L ₁	l ₁	n ₂	s ₁	s ₃	Order number
4	10	3	M 20x1,5	10	59	33	12	22	27	M6A 4
6	10	2	M 22x1,5	10	67	38	14	24	32	M6A 6
8	13,5	2,75	M 26x1,5	13,5	76	41	14	27	36	M6A 8
10	17	3,5	M 30x2	17	85	46	15	32	41	M6A 10
12	20	4	M 33,2	20	101	54	20	36	46	M6A 12
16	25	5	M 42x2	25	111	61	24	46	46	M6A 16
20	30	6	M 45x2	30	138	72	24	46	60	M6A 20
25	38	15	M 52x2	38	151	78	28	55	65	M6A 25

M10A Series for pressures up to PN 1000:

DN	d ₁	s	d ₃	d ₁₂	L ₁	l ₁	n ₂	s ₁	s ₃	Order number
4	10	3,25	M 22x1,5	10	77	42	14	24	32	M10A 4
6	13,5	3,75	M 26x1,5	13,5	89	47	14	27	36	M10A 6
8	17	4,5	M 30x2	17	106	56	16	32	41	M10A 8
10	20	5	M 33x2	20	113	62	20	36	46	M10A 10
12	25	6,5	M 42x2	25	135	72	24	46	55	M10A 12
16	30	7,5	M 45x2	30	142	76	24	46	60	M10A 16
20	38	10	M 52x2	38	162	82	28	55	65	M10A 20

For orders on individual parts we need 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	3	Screw-in stub	(Series)-(DN)- 3	_____