Partnership. With Guarantee.

Cutting ring fittings
Nickel-plated brass
Series DI-N

Design type	Fitting with union nut and cutting ring
Connection	R1/8"...R1/2" optionally cylindrical to ISO 228/1 or tapered to ISO 7/1
Tube outside diameter	4...18mm
Materials	Body Nickel-plated brass, Cutting ring Brass bright
Standardization	Cutting ring and Body DIN3861, Union nut DIN3870
recommended Tube materials	Copper (Cu), Aluminium (Al), Plastic tubing only when using reinforcing sleeves
Tube tolerances	+/- 0,05mm up to diameter 10mm, +/- 0,1mm from Diameter 12mm
Medium	Compressed air, neutral gases, Liquids that do not chemically attack the materials
Medium temperature	-20...+70°C
Operating pressure	-1...60bar, depending on the maximum pressure of the pipe used

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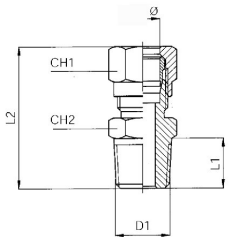
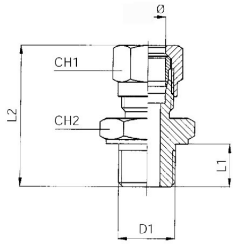
DI12C Straight Male stud fitting - Thread tapered



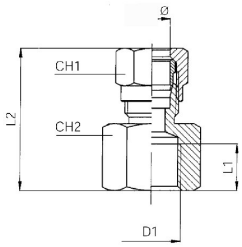
Tube outside diameter D [mm]	D1	L1	L2	CH1	CH2	Weight [g]	Type
4	R1/8"	8	27	10	10	13	DI12C-04-18-N
5	R1/8"	8	28	12	11	17	DI12C-05-18-N
6	R1/8"	8	28	12	12	16	DI12C-06-18-N
6	R1/4"	11	32,5	12	14	26	DI12C-06-14-N
8	R1/8"	8	29,5	14	12	18	DI12C-08-18-N
8	R1/4"	11	33	14	14	24	DI12C-08-14-N
8	R3/8"	11,5	33	14	17	40	DI12C-08-38-N
10	R1/4"	11	37,5	19	17	44	DI12C-10-14-N
10	R3/8"	11,5	38	19	17	49	DI12C-10-38-N
12	R3/8"	11,5	39	22	19	61	DI12C-12-38-N
12	R1/2"	14	41	22	22	78	DI12C-12-12-N
15	R1/2"	14	42,5	27	22	104	DI12C-15-12-N
18	R1/2"	15,5	45	32	26	145	DI12C-18-12-N

DI12 Straight Male stud fitting - Thread cylindrical



Tube outside diameter D [mm]	D1	L1	L2	CH1	CH2	Weight [g]	Type
4	M5x0,8	5	26	10	9	9	DI12-04-M5-N
4	G1/8"	6	25	10	14	17	DI12-04-18-N
5	G1/8"	8	29	12	14	20	DI12-05-18-N
6	G1/8"	6	26	12	14	18	DI12-06-18-N
6	G1/4"	8	29,5	12	17	32	DI12-06-14-N
8	G1/8"	6	27,5	14	14	21	DI12-08-18-N
8	G1/4"	8	30	14	17	33	DI12-08-14-N
10	G1/4"	8	34,5	19	17	43	DI12-10-14-N
10	G3/8"	9	36	19	19	63	DI12-10-38-N
12	G3/8"	10	39	22	22	68	DI12-12-38-N
12	G1/2"	12	42	22	27	97	DI12-12-12-N
15	G1/2"	12	43	27	27	116	DI12-15-12-N

DI13 Straight Male stud coupling



Tube outside diameter D [mm]	D1	L1	L2	CH1	CH2	Weight [g]	Type
4	G1/8"	8	24,5	10	14	18	DI13-04-18-N
5	G1/8"	10	29	12	14	22	DI13-05-18-N
6	G1/8"	8	26	12	14	21	DI13-06-18-N
6	G1/4"	11	30,5	12	17	35	DI13-06-14-N
8	G1/8"	8	26,5	14	14	24	DI13-08-18-N
8	G1/4"	11	31	14	17	38	DI13-08-14-N
10	G1/4"	11	35,5	19	17	56	DI13-10-14-N
10	G3/8"	11,5	36,5	19	20	66	DI13-10-38-N
18	G1/2"	15	40	31	26	165	DI13-18-12-N

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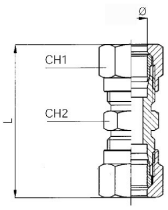
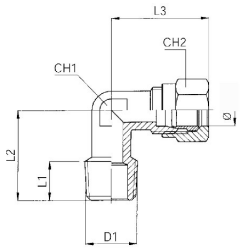
DI13 Straight Connector



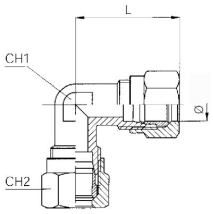
Tube outside diameter D [mm]	L	CH1	CH2	Weight [g]	Type
4	33,5	10	10	15	DI13-04-N
5	36	12	11	23	DI13-05-N
6	36,5	12	12	21	DI13-06-N
8	38,5	14	14	28	DI13-08-N
10	47,5	19	17	70	DI13-10-N
12	50,5	22	19	89	DI13-12-N
15	55,5	27	24	148	DI13-15-N
18	53	32	27	155	DI13-18-N

DI16C Male elbow screw-in fitting - Tapered thread



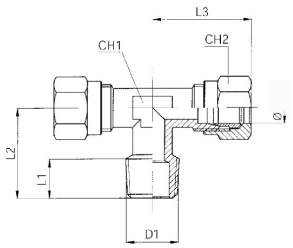
Tube outside diameter D [mm]	D1	L1	L2	L3	CH1	CH2	Weight [g]	Type
4	R1/8"	8	16	21	9	10	14	DI16C-04-18-N
5	R1/8"	8	17	23	9	12	18	DI16C-05-18-N
6	R1/8"	8	16	22	9	12	16	DI16C-06-18-N
6	R1/4"	11	20	24,5	11	12	19	DI16C-06-14-N
8	R1/8"	8	17	24	11	14	21	DI16C-08-18-N
8	R1/4"	11	20	24	11	14	26	DI16C-08-14-N
10	R1/4"	11	23,5	32	13	19	48	DI16C-10-14-N
10	R3/8"	11,5	24	32	13	19	51	DI16C-10-38-N
12	R3/8"	11,5	25,5	34,5	15	22	72	DI16C-12-38-N
12	R1/2"	14	28,5	34,5	15	22	79	DI16C-12-12-N
15	R1/2"	14	30	38	17	27	102	DI16C-15-12-N
18	R1/2"	15,5	34	44	22	32	150	DI16C-18-12-N

DI17 Elbow connector



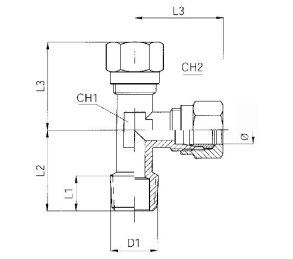
Tube outside diameter D [mm]	L	CH1	CH2	Weight [g]	Type
4	21	9	10	19	DI17-04-N
5	23	9	12	22	DI17-05-N
6	23	9	12	22	DI17-06-N
8	24	11	14	32	DI17-08-N
10	32	13	19	77	DI17-10-N
12	34,5	15	22	98	DI17-12-N
15	38	17	27	146	DI17-15-N
18	44	22	32	205	DI17-18-N

DI21C T male stud coupling - Tapered thread



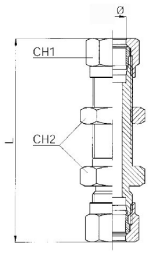
Tube outside diameter D [mm]	D1	L1	L2	L3	CH1	CH2	Weight [g]	Type
4	R1/8"	8	16	21	9	10	23	DI21C-04-18-N
5	R1/8"	8	17	23	9	12	28	DI21C-05-18-N
6	R1/8"	8	16	23	9	12	26	DI21C-06-18-N
6	R1/4"	11	20	24	11	12	30	DI21C-06-14-N
8	R1/8"	8	17	24	11	14	38	DI21C-08-18-N
8	R1/4"	11	20	24	11	14	41	DI21C-08-14-N
10	R1/4"	11	23,5	32	13	19	81	DI21C-10-14-N
10	R3/8"	11,5	24	32	13	19	92	DI21C-10-38-N
12	R3/8"	11,5	25,5	34,5	15	22	118	DI21C-12-38-N
12	R1/2"	14	28,5	34,5	15	22	125	DI21C-12-12-N
15	R1/2"	14	30	38	17	27	164	DI21C-15-12-N
18	R1/2"	15,5	34	44	22	32	210	DI21C-18-12-N

DI24C T male stud coupling - Tapered thread



Tube outside diameter D [mm]	D1	L1	L2	L3	CH1	CH2	Weight [g]	Type
4	R1/8"	8	16	21	9	10	23	DI24C-04-18-N
5	R1/8"	8	17	23	9	12	30	DI24C-05-18-N
6	R1/8"	8	16	23	9	12	26	DI24C-06-18-N
6	R1/4"	11	20	24	11	12	30	DI24C-06-14-N
8	R1/8"	8	17	24	11	14	38	DI24C-08-18-N
8	R1/4"	11	20	24	11	14	41	DI24C-08-14-N
10	R1/4"	11	23,5	32	13	19	81	DI24C-10-14-N
10	R3/8"	11,5	24	32	13	19	92	DI24C-10-38-N
12	R3/8"	11,5	25,5	34,5	15	22	118	DI24C-12-38-N
12	R1/2"	14	28,5	34,5	15	22	125	DI24C-12-12-N
15	R1/2"	14	30	38	17	27	164	DI24C-15-12-N

DI27 Straight bulkhead connector



Tube outside diameter D [mm]	L1	CH1	CH2	Weight [g]	Type
4	57	10	12	26	DI27-04-N
5	60	12	14	41	DI27-05-N
6	51,5	12	14	38	DI27-06-N
8	55,5	14	16	53	DI27-08-N
10	62,5	19	19	105	DI27-10-N
12	64,5	22	22	133	DI27-12-N
15	69,5	27	25	227	DI27-15-N

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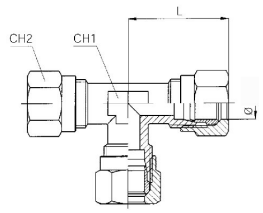
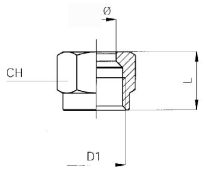
DI29 T-connector



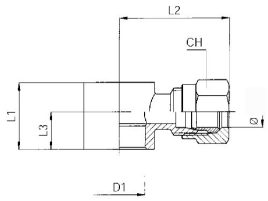
Tube outside diameter D [mm]	L	CH1	CH2	Weight [g]	Type
4	21	9	10	27	DI29-04-N
5	23	9	12	36	DI29-05-N
6	23	9	12	31	DI29-06-N
8	24	11	14	42	DI29-08-N
10	32	13	19	101	DI29-10-N
12	34,5	15	22	146	DI29-12-N
15	38	17	27	213	DI29-15-N
18	44	22	32	285	DI29-18-N

DI33 Union nut



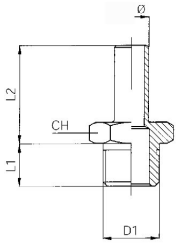
Tube outside diameter D [mm]	D1	L1	CH1	Weight [g]	Type
4	M8x1	11	10	4	DI33-04-M8X1-N
5	M10x1	11,5	12	6	DI33-05-M10X1-N
6	M10x1	11,5	12	6	DI33-06-M10X1-N
8	M12x1	12	14	7	DI33-08-M12X1-N
10	M16x1,5	15,5	19	19	DI33-10-M16X15-N
12	M18x1,5	15,5	22	26	DI33-12-M18X15-N
15	M22x1,5	17	27	43	DI33-15-M22X15N
18	M26x1,5			80	DI33-18-M26X15-N

DI35 L-ring piece



Tube outside diameter D [mm]	D1	L1	L2	L3	CH	Weight [g]	Type
6	R1/8"	15	26	9	12	19	DI35-06-18-N
6	R1/4"	17	28	9,5	12	26	DI35-06-14-N
8	R1/8"	15	27	9	14	21	DI35-08-18-N
8	R1/4"	17	29	9,5	14	27	DI35-08-14-N

DI38C Threaded push-in nipple - Thread cylindrical



Tube outside diameter D [mm]	D1	L1	L2	CH	Weight [g]	Type
4	G1/8"	8	19	14	9	DI38C-04-18-N
5	G1/8"	8	22	14	12	DI38C-05-18-N
6	G1/8"	8	22	14	11	DI38C-06-18-N
6	G1/4"	10	22	17	16	DI38C-06-14-N
8	G1/8"	8	23	14	11	DI38C-08-18-N
8	G1/4"	10	23	17	17	DI38C-08-14-N
10	G1/4"	10	27	17	20	DI38C-10-14-N
10	G3/8"	10	27	22	35	DI38C-10-38-N
12	G3/8"	10	27	22	33	DI38C-12-38-N
12	G1/2"	12	27	27	56	DI38C-12-12-N

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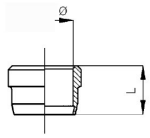
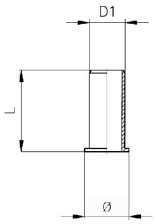
DI47 Cutting ring



Tube outside diameter D [mm]	L	Weight [g]	Type
4	6	0,5	DI47-04-06-B
5	7,5	1	DI47-05-75-B
6	7	2	DI47-06-07-B
8	7	2	DI47-08-07-B
10	10	3	DI47-10-10-B
12	10	4	DI47-12-10-B
15	10	4,5	DI47-15-10-B
18	11	6	DI47-18-11-B

DI56 Reinforcement sleeve



Tube outside diameter D [mm]	Inner tube diameter D1 [mm]	L	Weight [g]	Type
4	2	8	1	DI56-02-04-B-A
6	4	12	1	DI56-04-06-B
8	6	13	1	DI56-06-08-B
10	8	14	2	DI56-08-10-B
12	9	15	3	DI56-09-12-B-A
12	10	16	3	DI56-10-12-B
15	12,5	17	4	DI56-12,5-15-B

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