COMPRESSION FITTINGS
STAINLESS STEEL AISI 316 DIN 2353

PLUS

- **DESIGNED AND MANUFACTURED TO ACHIEVE A STRONG AND LEAK-FREE FITTING**
- **RESISTANT TO VIBRATIONS AND TO WATER HAMMERS**
- **PRODUCTS IN COMPLIANCE WITH DIN 2353**
- **SINGLE OGIVE DESIGN WITH TWO CUTTING EDGES**
- **CERTIFIED LLOYDS, DNV GL, ABS AND BUREAU VERITAS**



p. 195 / **DDMC-R**



p. 195 / **DDMC-G**



p. 196 / **DDFC-G**



p. 196 / **DDLM-R**



p. 196 / **DDU**



p. 197 / **DDBU**



p. 197 / **DDL**



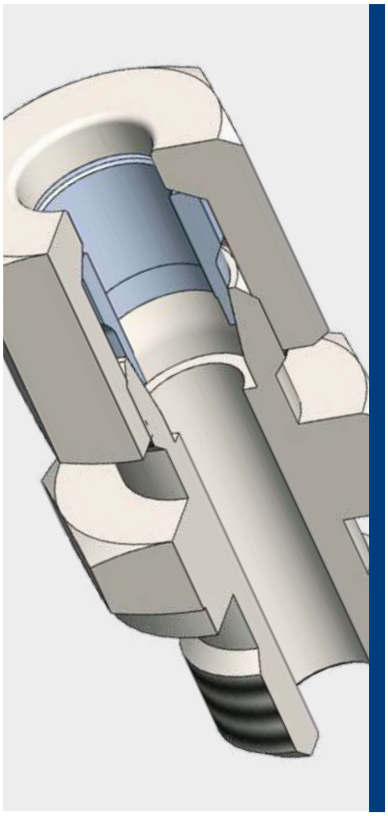
p. 197 / **DDT**



p. 197 / **DDN**



p. 198 / **DDS**



-60°C ÷ +400°C
See table below for pressure reduction according to working temperature

Working pressure:
See in the fittings table.
For pneumatic applications, the working pressure indicated in the table must be reduced by 50%.

Compressed air, oil, chemicals and aggressive fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1/2"
- Parallel gas BSPP ISO 228 from G1/8" to G3/4"

Stainless steel tubes, hardened and seamless, according to DIN 2391. The tubes must be suitable for the process fluid, pressure and temperature

Body: Stainless steel AISI 316
Lock nut: Stainless steel AISI 316
Ogive: Stainless steel AISI 316 with heat treatment and annealing on the cutting ring.

SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

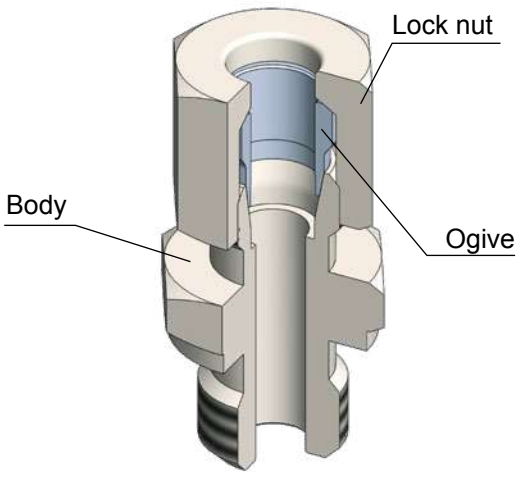
AVAILABILITY

Other fittings and sizes are available for this range, please see our website (www.inoxfit.com) and the INOX.Fit catalogue.

PRESSURE REDUCTION ACCORDING TO WORKING TEMPERATURE

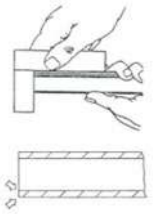
WORKING TEMPERATURE RANGE	WORKING PRESSURE REDUCTION
-60°C ÷ +20°C	-
-60°C ÷ +50°C	-4%
+100°C	-11%
+200°C	-20%
+300°C	-29%
+400°C	-33%

CONSTRUCTION DETAILS

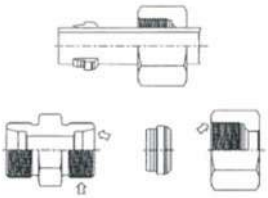


drawings and technical data are not binding & can be changed without notice

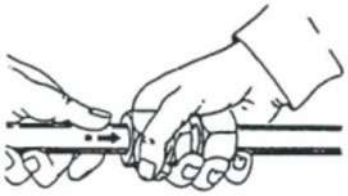
ASSEMBLY INSTRUCTIONS



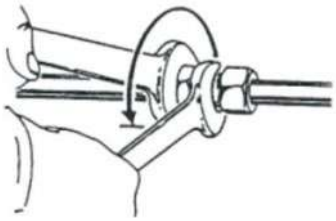
- Ensure that the tube end is cut at 90° with an angular maximum offset of +/- 1/2° in relation to the tube axis.
- After cleaning, lightly deburr tube ends at the inside and outside edge.



- Lubricate the thread and the inside part of the fitting, the ring and the thread of the nut. Don't use grease.

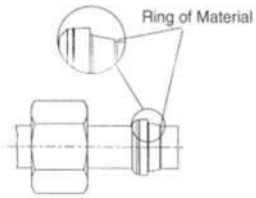


- Place nut and cutting ring on the tube. Ensure the cutting ring and nut are facing the right way.
- Manually screw the nut on to the fitting body keeping the tube completely inserted in.

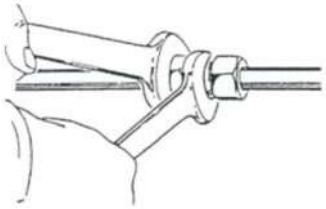


- Finally tighten the nut using a wrench for 1 and 1/2 turns by holding the fitting body with a second wrench. Never turn the fitting body, hold the body and turn the nut.

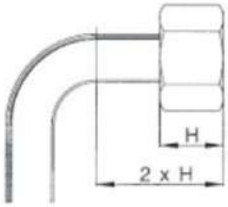
WARNING: Any deviation in the number of tighting turns reduces the maximum pressure and the service life of the fitting and may cause leakages or slipping of the tube.



- Check penetration of the cutting edge. A visible ring of material should fill the space in front of the cutting ring and face. Cutting ring may turn on tube but should not be capable of axial displacement.



- Tighten the nut again on to fitting body until completely tightened.



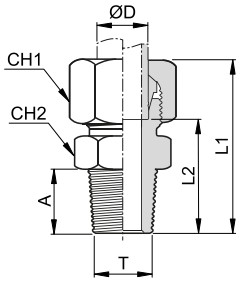
- The minimum lenght of straight tube, before any bend, has to be at least two times the height of the nut (H).

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DDMC-R

Male connector BSPT thread



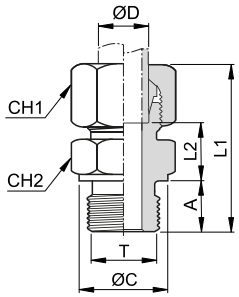


CODE	ØD	T	A	L1	L2	CH1	CH2	Bar
DDMC-04LL-01R	4	R 1/8"	8,0	26,0	16,0	10	11	100
DDMC-06L-01R	6	R 1/8"	8,0	30,0	15,0	14	12	250
DDMC-08LL-01R	8	R 1/8"	8,0	28,0	16,5	14	12	100
DDMC-08L-02R		R 1/4"	12,0	35,0	20,0	17	17	250
DDMC-10L-02R	10	R 1/4"	12,0	36,0	21,0	19	17	250
DDMC-12L-02R	12	R 1/4"	12,0	37,0	22,0	22	19	250
DDMC-12L-03R		R 3/8"	12,0	37,0	22,0	22	19	250
DDMC-12L-04R		R 1/2"	14,0	39,0	24,0	22	24	250
DDMC-15L-03R	15	R 3/8"	12,0	38,0	23,0	27	24	250
DDMC-15L-04R	15	R 1/2"	14,0	40,0	25,0	27	24	250

DDMC-G

Male connector BSPP thread



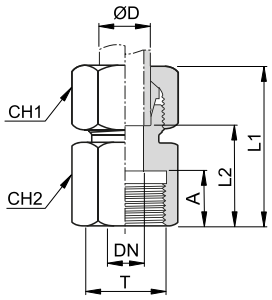


CODE	ØD	T	ØC	A	L1	L2	CH1	CH2	Bar
DDMC-06L-01G	6	G 1/8"	14,0	8,0	23,0	8,5	14	14	250
DDMC-06L-02G		G 1/4"	18,0	12,0	25,0	10,0	14	19	250
DDMC-06L-03G		G 3/8"	22,0	12,0	26,0	11,5	14	22	250
DDMC-06L-04G		G 1/2"	26,0	14,0	27,0	12,0	14	27	250
DDMC-08L-01G	8	G 1/8"	14,0	8,0	23,0	8,5	17	14	250
DDMC-08L-02G		G 1/4"	18,0	12,0	25,0	10,0	17	19	250
DDMC-08L-03G		G 3/8"	22,0	12,0	26,0	11,5	17	22	250
DDMC-08L-04G		G 1/2"	26,0	14,0	27,0	12,0	17	27	250
DDMC-10L-02G	10	G 1/4"	18,0	12,0	26,0	11,0	19	19	250
DDMC-10L-03G		G 3/8"	22,0	12,0	27,0	12,5	19	22	250
DDMC-10L-04G		G 1/2"	26,0	14,0	28,0	13,0	19	27	250
DDMC-12L-02G	12	G 1/4"	18,0	12,0	27,0	12,0	22	19	250
DDMC-12L-03G		G 3/8"	22,0	12,0	27,0	12,5	22	22	250
DDMC-12L-04G		G 1/2"	26,0	14,0	28,0	13,0	22	27	250
DDMC-12L-06G		G 3/4"	32,0	16,0	29,0	14,0	22	32	250
DDMC-15L-03G	15	G 3/8"	22,0	12,0	29,0	13,5	27	24	250
DDMC-15L-04G		G 1/2"	26,0	14,0	29,0	14,0	27	27	250
DDMC-15L-06G		G 3/4"	32,0	16,0	30,0	15,0	27	32	250
DDMC-16S-03G	16	G 3/8"	22,0	12,0	36,0	18,0	30	27	400
DDMC-16S-04G		G 1/2"	26,0	14,0	37,0	18,5	30	27	400
DDMC-16S-06G		G 3/4"	32,0	16,0	39,0	20,5	30	32	400

DDFC-G

Female connector BSPP thread



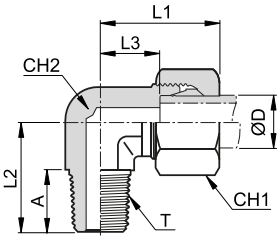


CODE	ØD	T	DN	A	L1	L2	CH1	CH2	Bar
DDFC-06L-01G	6	G 1/8"	4	12,0	34,0	19,0	14	14	250
DDFC-06S-02G		G 1/4"	4	17,0	41,0	26,0	17	19	630
DDFC-08L-02G	8	G 1/4"	6	17,0	39,0	24,0	17	19	250
DDFC-08L-03G		G 3/8"	6	17,0	40,0	25,0	17	24	250
DDFC-08L-04G		G 1/2"	6	20,0	44,0	29,0	17	27	250
DDFC-10L-02G	10	G 1/4"	8	17,0	40,0	25,0	19	19	250
DDFC-10L-03G		G 3/8"	8	17,0	41,0	26,0	19	24	250
DDFC-10L-04G		G 1/2"	8	20,0	45,0	30,0	19	27	250
DDFC-12L-03G	12	G 3/8"	10	17,0	41,0	26,0	22	24	250
DDFC-12L-04G		G 1/2"	10	20,0	45,0	30,0	22	27	250
DDFC-15L-04G	15	G 1/2"	12	20,0	46,0	31,0	27	27	250
DDFC-16S-04G	16	G 1/2"	12	20,0	50,0	31,5	30	30	400

DDLM-R

Male elbow BSPT thread



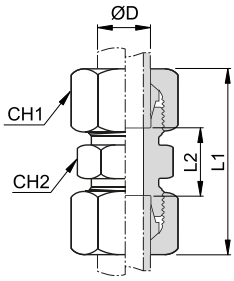


CODE	ØD	T	A	L1	L2	L3	CH1	CH2	Bar
DDLM-04LL-01R	4	R 1/8"	10,0	21,0	17,0	11,0	10	9	100
DDLM-06L-01R	6	R 1/8"	10,0	27,0	20,0	12,0	14	12	250
DDLM-06S-02R		R 1/4"	14,0	31,0	26,0	16,0	17	12	630
DDLM-08LL-01R	8	R 1/8"	10,0	23,0	20,0	11,5	14	12	100
DDLM-08L-02R		R 1/4"	14,0	29,0	26,0	14,0	17	12	250
DDLM-10L-02R	10	R 1/4"	14,0	30,0	27,0	15,0	19	14	250
DDLM-10S-03R		R 3/8"	15,0	34,0	28,0	17,5	22	17	630
DDLM-12L-03R	12	R 3/8"	15,0	32,0	28,0	17,0	22	17	250
DDLM-15L-04R	15	R 1/2"	19,0	36,0	34,0	21,0	27	19	250
DDLM-16S-04R	16	R 1/2"	19,0	43,0	32,0	24,5	30	24	400

DDU

Union connector

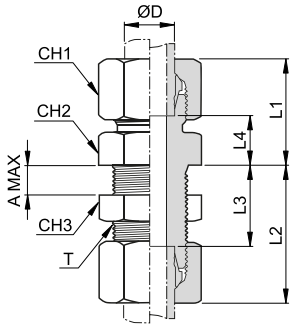




CODE	ØD	L1	L2	CH1	CH2	Bar
DDU-04LL	4	31,0	12,0	10	9	100
DDU-06L	6	39,0	10,0	14	12	250
DDU-08L	8	40,0	11,0	17	14	250
DDU-10L	10	42,0	13,0	19	17	250
DDU-12L	12	43,0	14,0	22	19	250
DDU-15L	15	46,0	16,0	27	24	250
DDU-16S	16	57,0	21,0	30	27	400

DDBU — Bulkhead connector

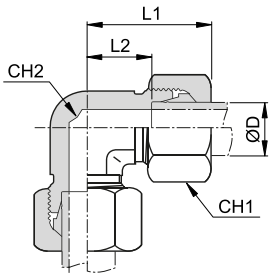




CODE	ØD	T	MAX A	L1	L2	L3	L4	CH1	CH2	CH3	Bar
DDBU-06L	6	M12x1,5	16,0	22,0	42,0	27,0	7,0	14	17	17	250
DDBU-08L	8	M14x1,5	16,0	23,0	42,0	27,0	8,0	17	19	19	250
DDBU-10L	10	M16x1,5	16,0	25,0	43,0	28,0	10,0	19	22	22	250
DDBU-12L	12	M18x1,5	16,0	25,0	44,0	29,0	10,0	22	24	24	250
DDBU-15L	15	M22x1,5	16,0	27,0	46,0	31,0	12,0	27	27	30	250
DDBU-16S	16	M24x1,5	16,0	35,0	50,0	31,5	16,5	30	32	32	400

DDL — Union elbow

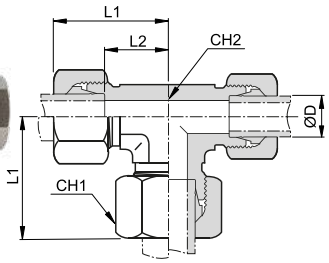




CODE	ØD	L1	L2	CH1	CH2	Bar
DDL-04LL	4	21,0	11,0	10	9	100
DDL-06L	6	27,0	12,0	14	12	250
DDL-08L	8	29,0	14,0	17	14	250
DDL-10L	10	30,0	15,0	19	17	250
DDL-12L	12	32,0	17,0	22	19	250
DDL-15L	15	36,0	21,5	27	24	250
DDL-16S	16	43,0	24,5	30	27	400

DDT — Union tee

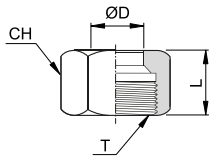




CODE	ØD	L1	L2	CH1	CH2	Bar
DDT-04LL	4	21,0	11,0	10	9	100
DDT-06L	6	27,0	12,0	14	12	250
DDT-08L	8	29,0	14,0	17	12	250
DDT-10L	10	30,0	15,0	19	14	250
DDT-12L	12	32,0	17,0	22	17	250
DDT-15L	15	36,0	21,0	27	19	250
DDT-16S	16	43,0	24,5	30	24	400

DDN — Locking nut





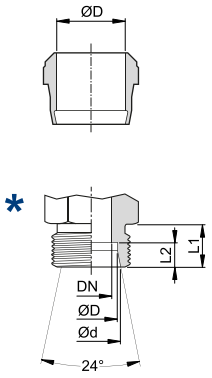
CODE	ØD	T	L	CH	Bar
DDN-04LL	4	M8x1,0	11,5	10	100
DDN-06L	6	M12x1,5	15,0	14	250
DDN-08L	8	M14x1,5	15,0	17	250
DDN-10L	10	M16x1,5	16,0	19	250
DDN-12L	12	M18x1,5	16,0	22	250
DDN-15L	15	M22x1,5	17,5	27	250
DDN-16S	16	M14x1,5	21,0	30	400

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DDS

Ogive





CODE	ØD	Ød	DN	L1	L2	Bar
DDS-04LL	4	5	3	8,0	4,0	100
DDS-06L	6	8,1	4	10,0	7,0	250
DDS-08L	8	10,1	6	10,0	7,0	250
DDS-10L	10	12,3	8	11,0	7,0	250
DDS-12L	12	14,3	10	11,0	7,0	250
DDS-15L	15	17,3	12	12,0	7,0	250
DDS-16S	16	18,3	12	14,0	8,5	400

* Thread diameter according to DIN 3853