

15k SERIES

Needle valves and accessories

Up to 15,000 psi (1034 bar)

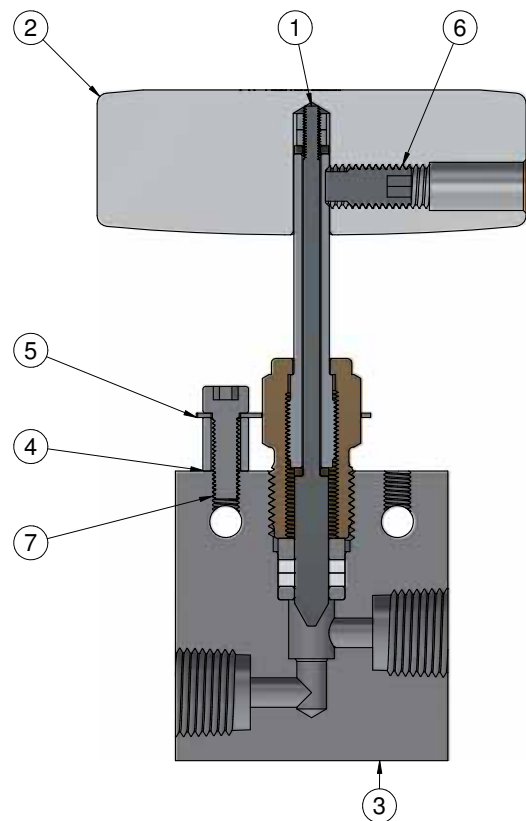
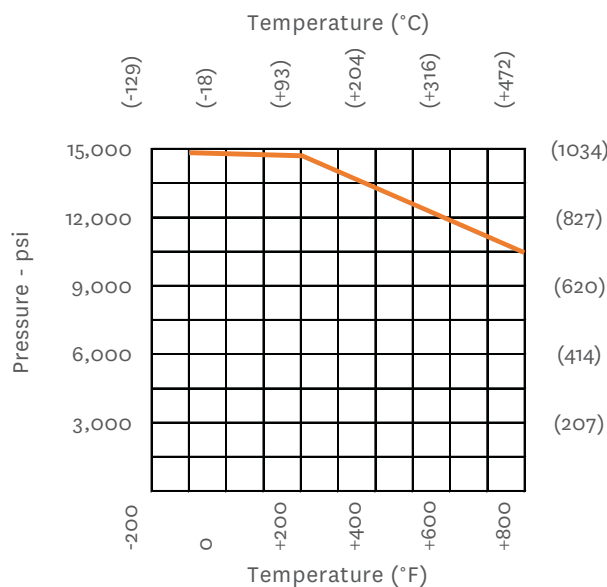
Low Pressure Valves

Low Pressure Needle Valves are available in applications such as the chemical/petrochemical, water-blast, water-jet, research, and oil and gas industries. The Transfer Oil valve line utilizes a NPT-F connection design providing a leak tight reliable connection for gas and liquid service. These valves are complemented by a complete line of fittings, tubing and accessories

Features

- Pressure: 15,000 psi (1034 bar)
- Connections from 1/4" to 1" NPT threads
- Non-rotating stem and bar stock body design
- Metal-to-metal sealing achieve ideal shutoff, longer stem/seat service lifetime for abrasive flow
- Excellent corrosion resistance and greater durability for repeated on/off cycles
- RPTFE standard packing material
- Packing RPTFE can be operated from -100°F (73°C) to + 600°F (316°C)
- The locking device of packing gland is reliable
- 3.1 (UNI EN 10204) certificate included
- Standard body material AISI 316/316L

Pressure / Temperature Curve



Standard Material of Constructions

Item	Component	Material
1	Bonnet	See page 13
2	Handle	Coating aluminium RAL 2008
3	Valve body	AISI 316/316L
4	Spacer	AISI 316/316L
5	Locking device	AISI 316/316L
6	Handle screw	A4 - AISI 316
7	Screw	A4 - AISI 316

15k

needle
valve

ball
valve

accessories

20k

30k

60k

TUBING

TOOLS

SPARE
PARTS

15k NEEDLE VALVES

15k

needle
valve

ball
valve

accessories

20k

30k

60k

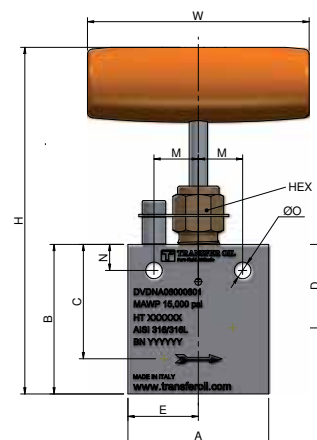
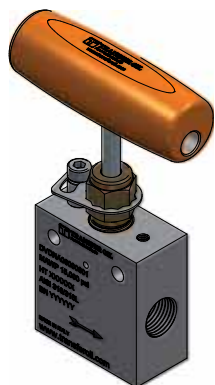
TUBING

TOOLS

SPARE
PARTS

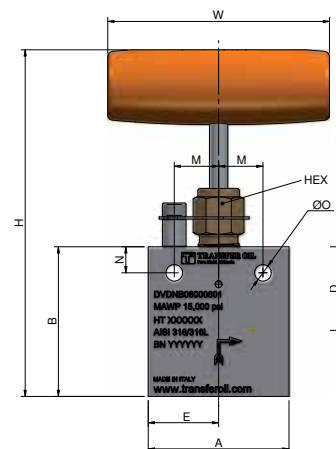
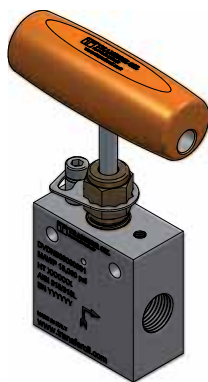
Two ways needle valve

Up to 15,000 psi (1034 bar)



DVDNA - Straight needle valve 15k psi (1034 bar)

Part No	Connection	UM	H	W	A	B	C	D	E	G	M	N	ØO	HEX	Ø Orifice	Thickness	Weight
DVDNA04000401	1/4" NPT	mm	122	80,0	50,8	50,8	41,3	30,2	25,4	-	16	9,4	6	15,87	5,50	19,05	520 g
		in.	4.81	3.15	2.00	2.00	1.63	1.19	1.00	-	0.63	0.37	0.24	5/8"	0.22	0.75	1.14 lb
DVDNA06000601	3/8" NPT	mm	125	80,0	50,8	54,0	41,3	30,2	25,4	-	16	9,4	6	15,87	5,50	25,4	670 g
		in.	4.93	3.15	2.00	2.13	1.63	1.19	1.00	-	0.63	0.37	0.24	5/8"	0.22	1.00	1.47 lb
DVDNA08000801	1/2" NPT	mm	162	80,0	63,5	74,0	57,3	41,4	31,7	-	17,5	9,4	9	22	8,00	31,8	1300 g
		in.	6.38	3.15	2.50	2.92	2.26	1.63	1.25	-	0.69	0.37	0.35	0.87	0.32	1.25	2.86 lb



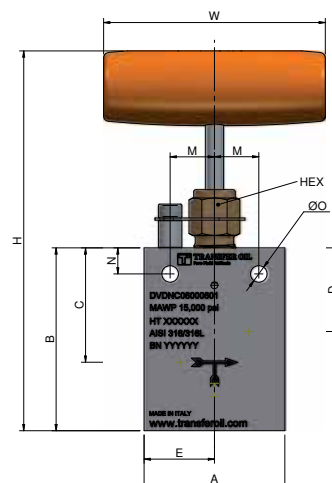
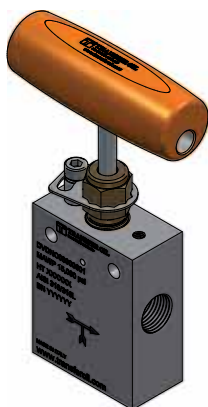
DVDNB - Angle needle valve 15k psi (1034 bar)

Part No	Connection	UM	H	W	A	B	C	D	E	G	M	N	ØO	HEX	Ø Orifice	Thickness	Weight
DVDNB04000401	1/4" NPT	mm	125	80,0	50,8	54,0	-	30,2	25,4	-	16	9,4	6	15,87	5,50	19,05	550 g
		in.	4.93	3.15	2.00	2.13	-	1.19	1.00	-	0.63	0.37	0.236	5/8"	0.22	0.75	1.21 lb
DVDNB06000601	3/8" NPT	mm	125	80,0	50,8	54,0	-	30,2	25,4	-	16	9,4	6	15,87	5,50	25,4	670 g
		in.	4.93	3.15	2.00	2.13	-	1.19	1.00	-	0.63	0.37	0.236	5/8"	0.22	1.00	1.47 lb
DVDNB08000801	1/2" NPT	mm	162	80,0	63,5	74,0	-	41,4	31,7	-	17,5	9,4	9	22	8,00	31,8	1320 g
		in.	6.38	3.15	2.50	2.92	-	1.63	1.25	-	0.69	0.37	0.355	0.867	0.32	1.25	2.9 lb

15k NEEDLE VALVES

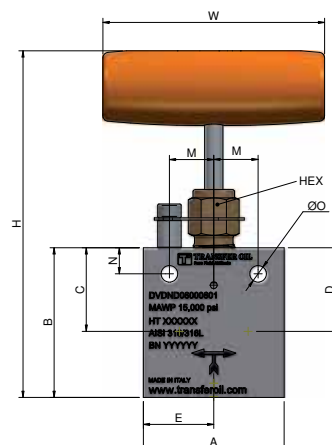
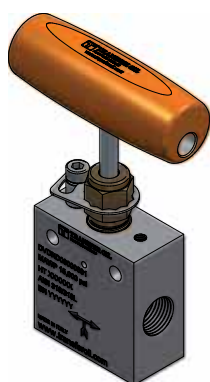
Three way needle valve

Up to 15,000 psi (1034 bar)



DVDNC - Three way two pressure needle valve 15k psi (1034 bar)

Part No	Connection	UM	H	W	A	B	C	D	E	G	M	N	ØO	HEX	Ø Orifice	Thickness	Weight
DVDNC04000401	1/4" NPT	mm	137	80,0	50,8	66,0	41,3	30,2	25,4	-	16	9,4	6	15,875	5,50	19,05	620 g
		in.	5.40	3.15	2.00	2.60	1.63	1.19	1.00	-	0.63	0.37	0.236	5/8"	0.22	0.75	1.36 lb
DVDNC06000601	3/8" NPT	mm	137	80,0	50,8	66,0	41,3	30,2	25,4	-	16	9,4	6	15,875	5,50	25,4	770 g
		in.	5.40	3.15	2.00	2.60	1.63	1.19	1.00	-	0.63	0.37	0.236	5/8"	0.22	1.00	1.69 lb
DVDNC08000801	1/2" NPT	mm	174	80,0	63,5	85,7	57,3	41,4	31,7	-	17,5	9,4	9	22	8,00	31,8	1450 g
		in.	6.86	3.15	2.50	3.38	2.26	1.63	1.25	-	0.69	0.37	0.355	0.867	0.32	1.25	3.19 lb



DVDND - Three way one pressure needle valve 15k psi (1034 bar)

Part No	Connection	UM	H	W	A	B	C	D	E	G	M	N	ØO	HEX	Ø Orifice	Thickness	Weight
DVDND04000401	1/4" NPT	mm	125	80,0	50,8	54,0	30,2	30,2	25,4	-	16	9,4	6	15,875	5,50	19,05	540 g
		in.	4.93	3.15	2,00	2,13	1,19	1,19	1,00	-	0,63	0,37	0,24	5/8"	0,22	0,75	1,19 lb
DVDND06000601	3/8" NPT	mm	125	80,0	50,8	54,0	30,2	30,2	25,4	-	16	9,4	6	15,875	5,50	25,4	650 g
		in.	4.93	3.15	2,00	2,13	1,19	1,19	1,00	-	0,63	0,37	0,24	5/8"	0,22	1,00	1,43 lb
DVDND08000801	1/2" NPT	mm	162	80,0	63,5	74,0	41,4	41,4	31,7	-	17,5	9,4	9	22	8,00	31,8	1270 g
		in.	6,38	3,15	2,50	2,92	1,63	1,63	1,25	-	0,69	0,37	0,36	0,87	0,32	1,25	2,79 lb

15k

needle
valve

ball
valve

accessories

20k

30k

60k

TUBING

TOOLS

SPARE
PARTS

15k BALL VALVES

15k

needle
valve

ball
valve

accessories

20k

30k

60k

TUBING

TOOLS

SPARE
PARTS

Ball valves and accessories

Up to 15,000 psi (1034 bar)

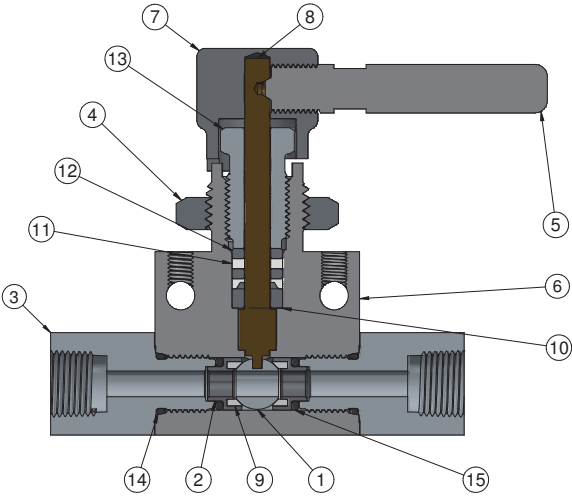
Low Pressure Valves

The Low Pressure ball valves are designed to provide high performance in process plants, are available in many variants that differ in size, connections and materials employed.

The design of this valves are compact to facilitate their integration within existing plants and the use of materials with high resistance to corrosion, abrasion and vibration, considerably extends their productive life.

Features

- Floating Ball Valve
- Pressure: 15,000 psi (1034 bar)
- Connections from 1/4" to 1" NPT threads
- Two way configuration
- PEEK seats offer excellent resistance to chemicals and wear/abrasion.
- Full bore flow to minimizes pressure drop
- Excellent corrosion resistance and greater durability for repeated on/of cycles
- Panel mounting
- Stem packing RPTFE glass filled teflon
- 3.1 (UNI EN 10204) certificate included
- Standard body material AISI 316/316L



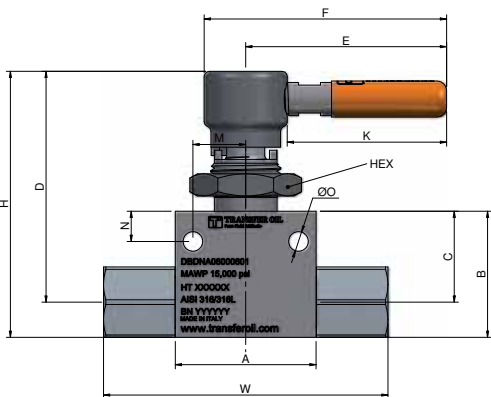
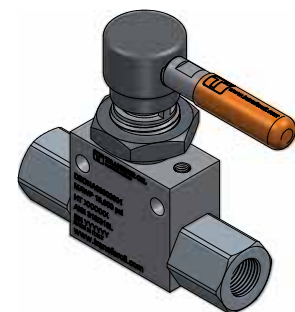
Standard Material of Constructions

Item	Component	Material
1	Ball	AISI 316/316L
2	Seat support	AISI 316/316L
3	Seat gland	AISI 316/316L
4	Nut	AISI 316/316L
5	Handle	AISI 316/316L
6	Valve body	AISI 316/316L
7	Handle body	AISI 316/316L
8	Stem	17-4PH

Item	Component	Material
9	Seat	PEEK
10	Thrust bush	AISI 316/316L
11	Packing	Glass Filled - PTFE
12	Thrust bush	AISI 316/316L
13	Bonnet body	AISI 316/316L
14	Sealing ring	VITON
15	Sealing ring	VITON

15k BALL VALVES

Straight ball valve
Up to 15,000 psi (1034 bar)



DBDNA - Straight ball valve 15k psi (1034 bar)

Part No	Connection	UM	H	W	A	B	C	D	E	F	G	K	M	N	ØO	HEX	Ø Orifice	Thickness	Weight
DBDNA04000401	1/4" NPT	mm	96,0	102,7	50,8	45,5	12,7	83,3	72,0	87	-	57,0	19,1	10,9	7,1	34,9	6,4	25,4	820 g
		in.	3.78	4.05	2.00	1.79	0.50	3.28	2.84	3.43	-	2.25	0.75	0.43	0.28	1" 3/8	0.25	1.00	1.80 lb
DBDNA06000601	3/8" NPT	mm	96,0	102,7	50,8	45,5	12,7	83,3	72,0	87	-	57,0	19,1	10,9	7,1	34,9	6,4	25,4	910 g
		in.	3.78	4.05	2.00	1.79	0.50	3.28	2.84	3.43	-	2.25	0.75	0.43	0.28	1" 3/8	0.25	1.00	2.00 lb
DBDNA08000801	1/2" NPT	mm	104	137,1	76,2	53,5	17,5	86,5	112	127	-	97,0	19,1	10,9	7,1	34,9	9,5	34,9	1770 g
		in.	4.10	5.40	3.00	2.11	0.69	3.41	4.41	5.00	-	3.82	0.75	0.43	0.28	1" 3/8	0.37	1.38	3.89 lb

15k

needle
valve

ball
valve

accessories

20k

30k

60k

TUBING

TOOLS

SPARE
PARTS

15k O-RING CHECK VALVES

15k

needle
valve

ball
valve

accessories

20k

30k

60k

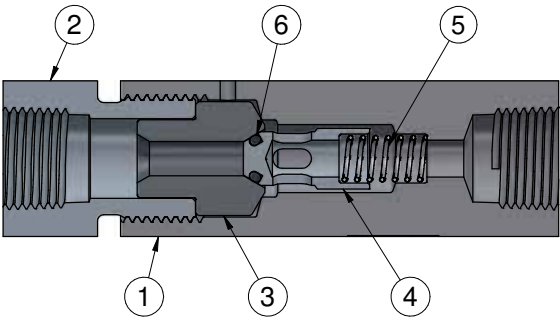
TUBING

TOOLS

SPARE
PARTS

Stainless steel soft check valve Up to 15,000 psi (1034 bar)

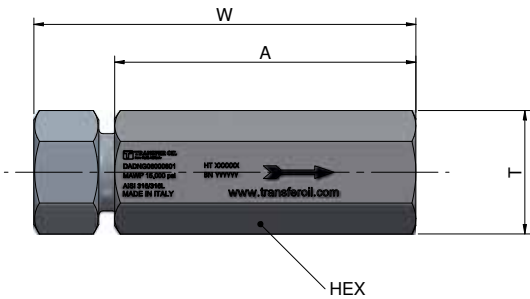
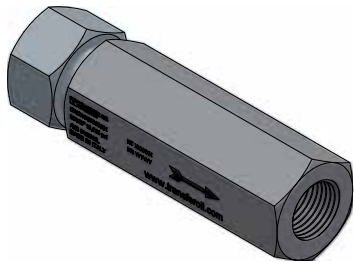
Low pressure check valves are designed for liquid and gas flow control in chemical, industrial and oil & gas fields. Provides unidirectional flow and tight shut-off for liquids and gas with high reliability.



Features

- Pressure: 15,000 psi (1034 bar)
- Tubing size 1/4", 3/8", 1/2"
- Resilient O-ring seat design for noise-free closing leakage free (NBR 90 Sh A)
- Working temperature: +5°F(-15°C) / +356°F(180°C)
- Standard cracking pressure: 20 psi (1.38 bar) ±30 %
- 3.1 (UNI EN 10204) certificate included
- Standard material AISI 316/316L

Item	Component	Material
1	Body	AISI 316/316L
2	Gland check	AISI 316/316L
3	Seat	AISI 316/316L
4	Poppet	AISI 316/316L
5	Spring	AISI 316
6	O-ring	NBR 90 Sh A



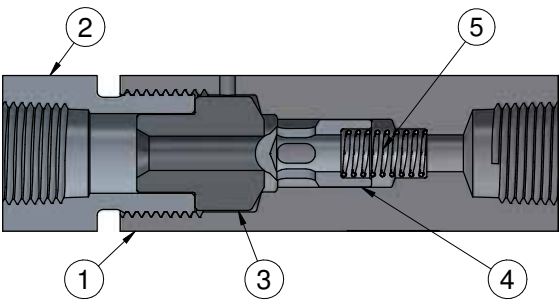
DADNG - Straight soft check valve 15k psi (1034 bar)

Part No	Connection	UM	W	A	G	HEX	Ø Orifice	Thickness	Weight
DADNG04000401	1/4" NPT	mm	79	60,4	-	22,275	3,2	25,7	230 g
		in.	3.11	2.38	-	7/8"	0.13	1.01	0.51 lb
DADNG06000601	3/8" NPT	mm	90,5	71,5	-	25,4	5,6	29,3	330 g
		in.	3.57	2.82	-	1"	0.22	1.15	0.73 lb
DADNG08000801	1/2" NPT	mm	106,8	82,5	-	30,16	8	34,8	550 g
		in.	4.21	3.25	-	1 3/16	0.32	1.37	1.21 lb

15k BALL CHECK VALVES

Stainless steel ball check valve Up to 15,000 psi (1034 bar)

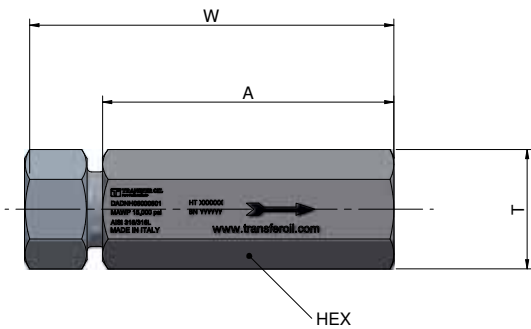
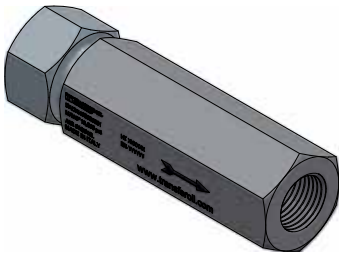
Low pressure check valves are designed for liquid and gas flow control in chemical, industrial and oil & gas fields. Provides unidirectional flow and tight shut-off for liquids and gas with high reliability. All ball check valves have a long endurance and may also be employed with high temperatures.



Features

- Pressure: 15,000 psi (1034 bar)
- Tubing size 1/4", 3/8", 1/2"
- Ball and poppet integral design
- Working temperature: -100°F(-73°C) / +600°F(+315°C)
- Standard cracking pressure: 20 psi (1.38 bar) ±30 %
- 3.1 (UNI EN 10204) certificate included
- Standard material AISI 316/316L

Item	Component	Material
1	Body	AISI 316/316L
2	Gland check	AISI 316/316L
3	Seat	AISI 316/316L
4	Poppet	AISI 316/316L
5	Spring	AISI 316



DADNH - Straight ball check valve 15k psi (1034 bar)

Part No	Connection	UM	W	A	G	HEX	Ø Orifice	Thickness	Weight
DADNH04000401	1/4" NPT	mm	79	60,4	-	22,275	3,2	25,7	230 g
		in.	3.11	2.38	-	7/8"	0.13	1.01	0,51 lb
DADNH06000601	3/8" NPT	mm	90,5	71,5	-	25,4	5,6	29,3	330 g
		in.	3.57	2.82	-	1"	0.22	1.15	0,73 lb
DADNH08000801	1/2" NPT	mm	106,8	82,5	-	30,16	8	34,8	550 g
		in.	4.21	3.25	-	1" 3/16	0.32	1.37	1,21 lb

15k

needle
valve

ball
valve

accessories

20k

30k

60k

TUBING

TOOLS

SPARE
PARTS

15k BULKHEAD COUPLING

15k

needle
valve

ball
valve

accessories

20k

30k

60k

TUBING

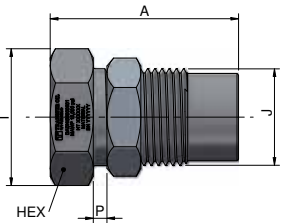
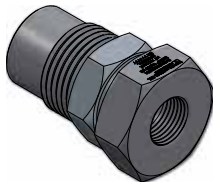
TOOLS

SPARE
PARTS

Stainless steel bulkhead coupling Up to 15,000 psi (1034 bar)

Features

- Pressure: 15,000 psi (1034 bar)
- Tubing size 1/4", 3/8", 1/2"
- Working temperature: -325°F(-198°C) / +400°F(+204°C)
- 3.1 (UNI EN 10204) certificate included
- Standard material AISI 316/316L



DADNI - Straight bulk head coupling 15k psi (1034 bar)

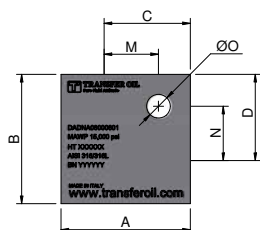
Part No	Connection	UM	Ø I	A	J	G	P	HEX	Thickness	Weight
DADNI04000401	1/4" NPT	mm	5,5	48	7/8"-14 UNF	-	2,5 - 10	25,4	29,3	150 g
		in.	0.22	1.89		-		1"	1.15	0.33 lb
DADNI06000601	3/8" NPT	mm	7,5	55,5	1" 1/8-12 UNF	-	3 - 10	34,9	40,3	300 g
		in.	0.30	2.19		-		1" 3/8	1.59	0.66 lb
DADNI08000801	1/2" NPT	mm	9	60,3	1" 1/4-12 UNF	-	3,5 - 10	38,1	44	390 g
		in.	0.35	2.38		-		1" 1/2	1.73	0.86 lb

15k ELBOW - TEE - CROSS - CAP

Stainless steel Elbow - Tee - Cross

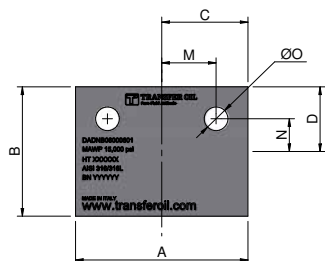
Up to 15,000 psi (1034 bar)

Elbow, tees, crosses are available in several coned and threaded connections sizes and made in standard material AISI 316/316L



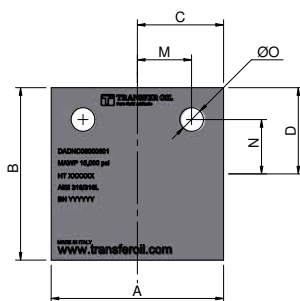
DADNA - Elbow coupling 15k psi (1034 bar)

Part No	Connection	UM	Ø I	A	B	C	D	G	M	N	ØO	Thickness	Weight
DADNA04000401	1/4" NPT	mm	5,5	38,1	34,9	22,2	22,2	-	14,5	14,5	6	19,05	172 g
		in.	0.22	1.50	1.38	0.87	0.87	-	0.57	0.57	0.24	0.75	0.38 lb
DADNA06000601	3/8" NPT	mm	7,5	38,1	38,1	25,4	25,4	-	16	16	7	25,4	239 g
		in.	0.30	1.50	1.50	1.00	1.00	-	0.63	0.63	0.28	1.00	0.53 lb
DADNA08000801	1/2" NPT	mm	9	47,6	47,6	31,8	31,8	-	20	20	9	31,8	469 g
		in.	0.35	1.88	1.88	1.25	1.25	-	0.79	0.79	0.35	1.25	1.03 lb



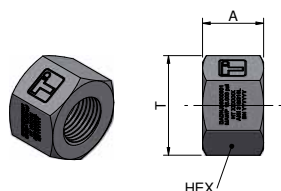
DADNB - Tee coupling 15k psi (1034 bar)

Part No	Connection	UM	Ø I	A	B	C	D	G	M	N	ØO	Thickness	Weight
DADNB04000401	1/4" NPT	mm	5,5	44,5	34,9	22,2	22,2	-	14,5	14,5	6	19,05	190 g
		in.	0.22	1.75	1.38	0.87	0.87	-	0.57	0.57	0.24	0.75	0.42 lb
DADNB06000601	3/8" NPT	mm	7,5	50,8	38,1	25,4	25,4	-	16	16	7	25,4	310 g
		in.	0.30	2.00	1.50	1.00	1.00	-	0.63	0.63	0.28	1.00	0.68 lb
DADNB08000801	1/2" NPT	mm	9	63,5	47,6	31,8	31,8	-	20	20	9	31,8	610 g
		in.	0.35	2.50	1.88	1.25	1.25	-	0.79	0.79	0.35	1.25	1.34 lb



DADNC - Cross coupling 15k psi (1034 bar)

Part No	Connection	UM	Ø I	A	B	C	D	G	M	N	ØO	Thickness	Weight
DADNC04000401	1/4" NPT	mm	5,5	44,5	44,5	22,2	22,2	-	14,5	14,5	6	19,05	240 g
		in.	0.22	1.75	1.75	0.87	0.87	-	0.57	0.57	0.24	0.75	0.53 lb
DADNC06000601	3/8" NPT	mm	7,5	50,8	50,8	25,4	25,4	-	16	16	7	25,4	420 g
		in.	0.30	2.00	2.00	1.00	1.00	-	0.63	0.63	0.28	1.00	0.92 lb
DADNC08000801	1/2" NPT	mm	9	63,5	63,5	31,8	31,8	-	20	20	9	31,8	820 g
		in.	0.35	2.50	2.50	1.25	1.25	-	0.79	0.79	0.35	1.25	1.8 lb



DADNJ - Cap 15k psi (1034 bar)

Part No	Connection	UM	Ø I	A	J	G	P	HEX	Thickness	Weight
DADNJ04000401	1/4" NPT	mm	-	18	-	-	-	19,05	22	34 g
		in.	-	0.71	-	-	-	3/4"	0.87	0.07 lb
DADNJ06000601	3/8" NPT	mm	-	18	-	-	-	25,4	29,3	60 g
		in.	-	0.71	-	-	-	1"	1.15	0.13 lb
DADNJ08000801	1/2" NPT	mm	-	23	-	-	-	30,16	34,8	110 g
		in.	-	0.91	-	-	-	1" 3/16	1.37	0.24 lb

15k

needle valve

ball valve

accessories

20k

30k

60k

TUBING

TOOLS

SPARE PARTS

15k PLUG - UNION COUPLING

15k

needle
valve

ball
valve

accessories

20k

30k

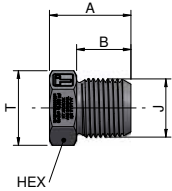
60k

TUBING

TOOLS

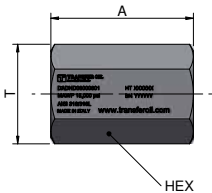
SPARE
PARTS

Stainless steel Cap - Plug - Union Coupling Up to 15,000 psi (1034 bar)



DADNK - Plug 15k psi (1034 bar)

Part No	Connection	UM	Ø I	A	J	B	HEX	Thickness	Weight
DADNK04000401	1/4" NPT	mm	-	20	1/4"-18 NPT	14	15,88	18,33	23
		in.	-	0.79		0.55	5/8"	0.72	0.05
DADNK06000601	3/8" NPT	mm	-	24	3/8"-18 NPT	16	19,05	22	47
		in.	-	0.95		0.63	3/4"	0.87	0.10
DADNK08000801	1/2" NPT	mm	-	27	1/2"-14 NPT	19	22,2	25,7	77
		in.	-	1.06		0.75	7/8"	1.01	0.17



DADND - Union coupling 15k psi (1034 bar)

Part No	Connection	UM	Ø I	A	G	HEX1	HEX	Thickness	Weight
DADND04000401	1/4" NPT	mm	5,5	36	-	-	19,05	22	75
		in.	0,22	1,42	-	-	3/4"	0.87	0.17
DADND06000601	3/8" NPT	mm	7,5	42	-	-	25,4	29,3	140
		in.	0,3	1,65	-	-	1"	1.15	0.31
DADND08000801	1/2" NPT	mm	9	52	-	-	30,16	34,8	221
		in.	0,35	2,05	-	-	1" 3/16	1.37	0.49