sferaco
VALVES & FITTINGS

REF. 2000

STAINLESS STEEL FITTINGS PN20

TÜVRheinland®
ISO 9001 : 2015









Size :	DN 1/8“ to DN 4“
Ends :	Male, female or welding
Min Temperature :	- 25°C
Max Temperature :	+ 180°C
Max Pressure :	20 Bars
Specifications :	“Lost wax“ moulding Threaded BSP
Materials :	Stainless steel

Sferaco 90 rue du Ruisseau 38297 St Quentin Fallavier Tel: + 33 (0) 474.94.15.90 Fax: + 33 (0) 474.95.62.08 Internet: www.sferaco.fr E-mail : sferaco@sferaco.fr

Information provided as an indication and subject to possible modification

STAINLESS STEEL FITTINGS PN20

SPECIFICATIONS :

- " Lost wax " moulding
- Male conic threaded BSP
- Female cylindric threaded BSP

USE :

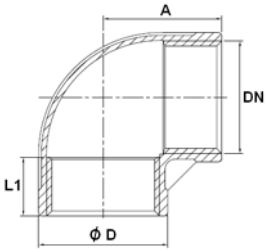
- For all common fluids
- Min Temperature Ts : - 25°C
- Max Temperature Ts :+ 180°C
- Max Pressure Ps : 20 bars

RANGE :

- From DN 1/8" to DN 4"
- ASTM A351 CF8M fittings excepted for Ref.2034, 2038, 2039, 2040, 2041 and 2042 in SS ASTM A182 F316

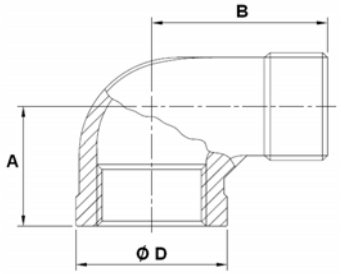
SIZE (in mm) :

- **Elbow 90° F. F. (DN 1/8"– 4") Ref. 2001**



DN	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
A	17	19	21.5	27	30	35	43	45	54	69	77	92.5
Ø D	13.9	17.4	20.9	24.9	31.2	38.1	47.4	54.1	66.6	82.4	95.9	121.8
L1	6.5	9.7	10.1	11	11.4	13.8	14.5	14.9	15.7	25.4	27	29.5
Weig. (Kg)	0.018	0.029	0.043	0.053	0.079	0.131	0.204	0.263	0.433	0.757	1.083	1.724

- **Elbow 90° M. F. (DN 1/8"– 3") Ref. 2010**

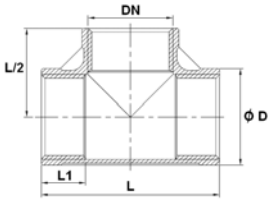


DN	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
A	19	21.5	24.5	29	33.5	37	43	47	57.5	66	74
B	26.5	30.8	36.5	41	48	55	62	67	77.5	93	107
Ø D	13.9	17.2	20.9	24.9	31.2	38.1	47.4	54.1	66.6	87.4	101.8
Weig. (Kg)	0.015	0.028	0.043	0.054	0.084	0.139	0.189	0.277	0.412	0.913	1.65

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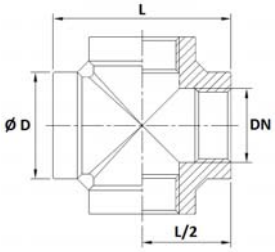
SIZE (in mm) :

- **Tee F. F. F. (DN 1/8“– 4“) Ref. 2003**



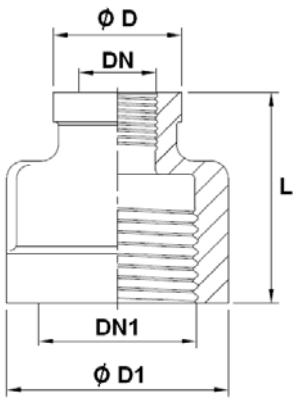
DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“	2“1/2	3“	4“
Ø D	13.9	17.4	20.9	24.9	31.2	38.1	47.4	54.1	66.6	82.4	95.9	121.8
L	34	39	44	55	60	70	85	89	107	136	154	185
L1	6.5	9.7	10.1	11	11.4	13.8	14.5	14.9	15.7	25.4	27	29.5
Weig. (Kg)	0.026	0.041	0.059	0.073	0.108	0.168	0.260	0.34	0.53	0.878	1.198	2.056

- **Cross F. F. F.F. (DN 1/8“– 4“) Ref. 2002**



DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“	2“1/2	3“	4“
Ø D	14.8	18.5	22.1	28.8	33.7	42	50.4	57.1	69.2	89.2	99.5	126
L	34.1	38	44	55	63.4	73.2	85.6	89.8	108	137.2	143	180
L/2	17.05	19	22	27.5	31.7	36.6	42.8	44.9	54	86.6	71.5	90
Weig. (Kg)	0.037	0.056	0.08	0.16	0.22	0.365	0.48	0.57	0.9	1.606	2	3.3

- **Reduced nipple F. F. (DN 1/8“– 2“) Ref. 2013**

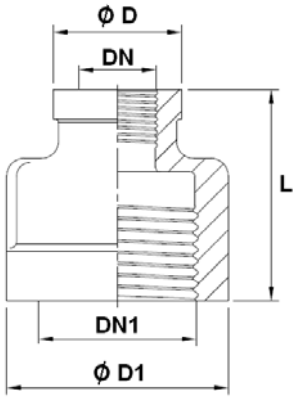


DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2
DN1	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
Ø D	15.5	18.2	23	28	34	41.6	50	57
Ø D1	18	22	28.5	34	41.5	50	57	70
L	24	29	34.5	36.5	41.5	47	51.5	59
Weight (Kg)	0.020	0.030	0.066	0.082	0.115	0.186	0.24	0.387

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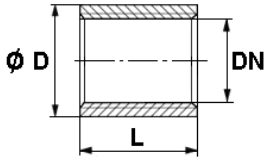
SIZE (in mm) :

- **Double reduced nipple F. F. (DN 1/8“– 2“) Ref. 2014**



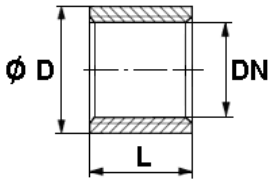
DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4
DN1	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
Ø D	18.1	19.5	28.2	29	34	41.5	56.5
Ø D1	22	28.5	34	41.5	50	57	70
L	29	34	36.5	42	46	50	59
Weight (Kg)	0.035	0.06	0.092	0.121	0.175	0.235	0.447

- **Socket bright F. F. (DN 1/8“– 4“) Ref. 2015**



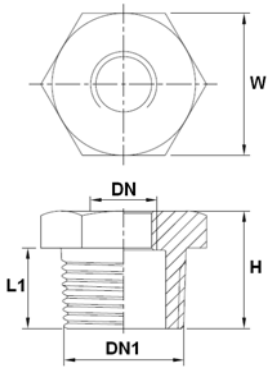
DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“	2“1/2	3“	4“
Ø D	14	18.5	21.5	26.5	32	40	48	55	66	82	95	122
L	17	25	26.5	34	36	43	48	48	56	65	71	83
Weig. (Kg)	0.013	0.031	0.034	0.068	0.084	0.141	0.195	0.235	0.302	0.510	0.670	1.200

- **Half socket F. F. (DN 1/8“– 2“) Ref. 2017**



DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
Ø D	14	19	22	26	32	40	48	55	66
L	10	11	13	16	18	20	22	23	27
Weig. (Kg)	0.008	0.014	0.018	0.029	0.038	0.052	0.086	0.095	0.161

- **Reduced nipple M. F. (DN 1/8“– 2“) Ref. 2021**

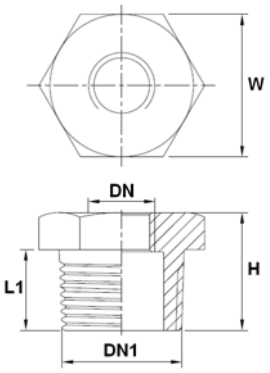


DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2
DN1	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
H	15	16.5	20	21.5	24.5	27.5	28	31
L1	12.5	13	16	17	20	22	22	23.5
W	15	18	23	29	35	45	50	62
Weig. (Kg)	0.012	0.015	0.028	0.038	0.069	0.107	0.132	0.23

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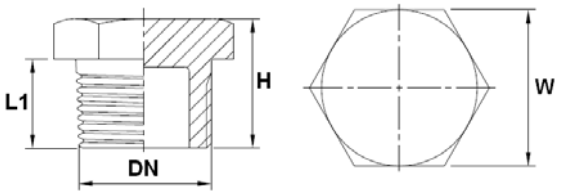
SIZE (in mm) :

- **Double reduced nipple M. F. (DN 1/8“– 2“) Ref. 2024**



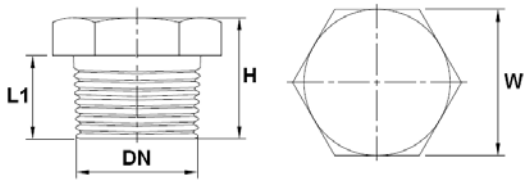
DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4
DN1	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
H	16.5	20	21.5	24.5	27.5	28	31
L1	13	16	17	20	22	22	23.5
W	18	23	29	35	45	50	62
Weig. (Kg)	0.022	0.029	0.052	0.08	0.134	0.157	0.278

- **Hexagon hollow plug (DN 1/2“– 2“) Ref. 2022**



DN	1/2“	3/4“	1“	1“1/4	1“1/2	2“
H	22.6	23.3	26.8	30.5	30.8	34
L1	16	16.5	19	21	21	22.8
W	25.2	29.7	36.5	45.3	51.4	62.5
Weight (Kg)	0.040	0.056	0.087	0.141	0.190	0.280

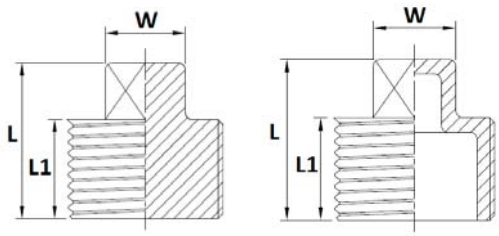
- **Hexagon plain plug (DN 1/8“– 2“) Ref. 2023**



DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
H	19	19	19	22	26	28	33	35	39
L1	11	12	13	16	17	19	21	23	27
W	12	16	19	23	28	36	46	50	65
Weig. (Kg)	0.013	0.024	0.036	0.061	0.115	0.198	0.384	0.509	0.913

- **Square plug (DN 1/8“– 2“) Ref. 2020**

DN 1/8-1/4“ **DN 3/8-2“**



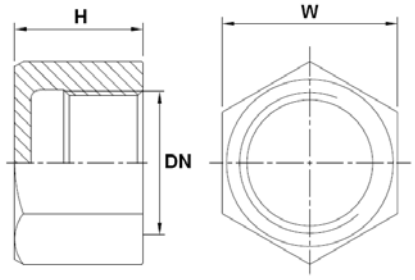
DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	18	20	20	25	26.5	33	35	35	40
L1	11	12	12	15	15.5	20	20	20	23
W	7.2	8	10	13	16	19	22	25	29
Weig. (Kg)	0.009	0.015	0.017	0.03	0.044	0.075	0.115	0.14	0.215

Information provided as an indication and subject to possible modification

STAINLESS STEEL FITTINGS PN20

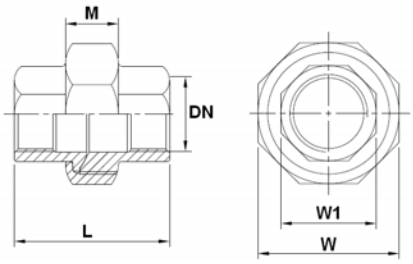
SIZE (in mm) :

- **Female hexagon cap (DN 1/4“– 2“) Ref. 2037**



DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
H	17	17.5	20	20.4	27.1	30	30.3	32.3
W	17.5	21.2	25.5	30.1	37.4	47	53.2	66
Weight (Kg)	0.022	0.031	0.042	0.051	0.095	0.153	0.188	0.304

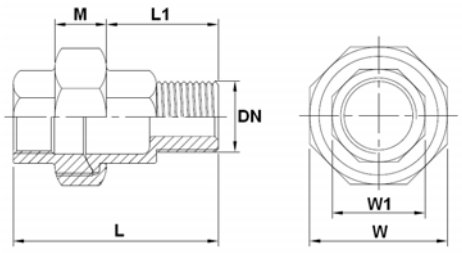
- **Union F.F. (DN 1/4“– 2“) Ref. 2025 - Conical seat**



DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	34.5	37.6	38.6	44	51	58	59	61.5
M	12.2	15	15	15	17	20	20	20.8
W	28	34	39.2	46	55	63.5	71	85
W1	17.5	20.5	26.5	31.2	38	47.5	54	67
Weight (Kg)	0.069	0.098	0.149	0.191	0.299	0.386	0.482	0.716



- **Union M.F. (DN 1/4“– 2“) Ref. 2026 - Conical seat**



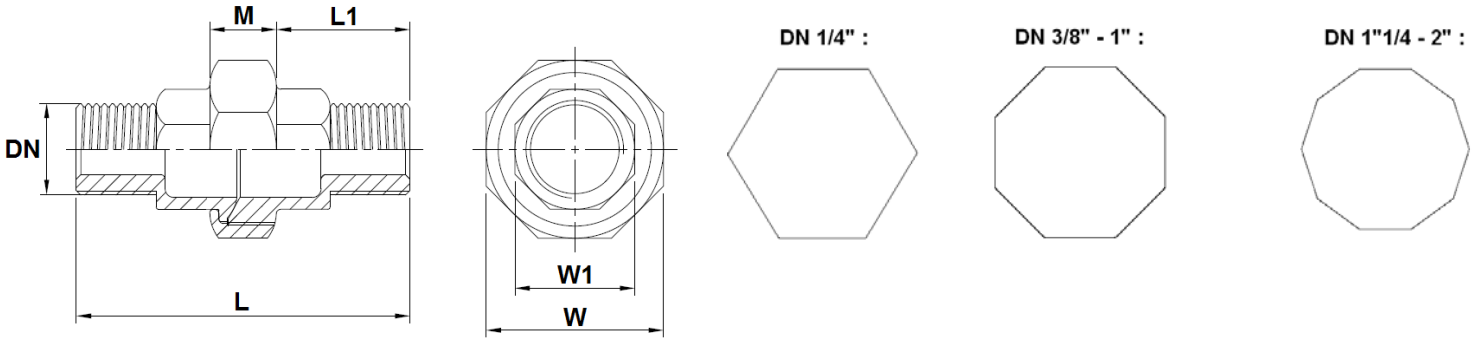
DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	46	48	52.8	58.6	66.5	73.5	74.5	80.5
L1	22.7	21.5	26	28.6	32.2	35	35	39
M	12.2	15	15	15	17	20	20	20.8
W	28	34	39.2	46	55	63.5	71	85
W1	17.2	20.3	26	30.6	38	47.3	53	66
Weight (Kg)	0.074	0.107	0.164	0.224	0.336	0.443	0.538	0.839



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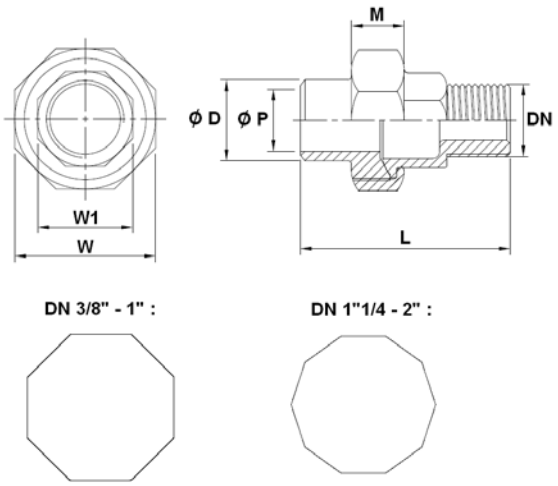
SIZE (in mm) :

- **Union Male - Male (DN 1/4“– 2“) Ref. 2062 - Conical seat**



DN	1/4"	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	56	57.5	66.5	73.4	81	89.5	89.3	99
L1	21	21	26.1	29.6	32	34.5	34	39
M	12.2	15	15	15	17	20	20	20.8
W	28	34	39.2	46	55	63.5	71	85
W1	17	20	26.5	31	38.4	47.3	53	66
Weig. (Kg)	0.085	0.112	0.175	0.246	0.358	0.502	0.614	0.946

- **Union Male – But Welding (DN 1/4“– 2“) Ref. 2027 - Conical seat**

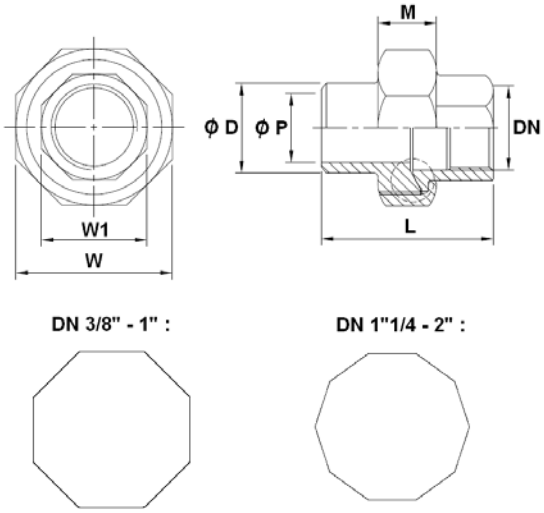


DN	1/4"	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
Ø D	13.5	17.2	21.5	27	33.7	42.7	48.5	60.5
Ø P	9.4	12.6	16	21.5	27	35.6	41.5	52.7
L	46.4	47.7	53	60	66	72	73	77.6
M	12.2	15	15	15	17	20	20	20.8
W	28	34	39.2	46	55	63.5	71	85
W1	17.2	20.3	26	30.6	38	47.3	53	66
Weight (Kg)	0.069	0.104	0.153	0.225	0.328	0.432	0.535	0.765

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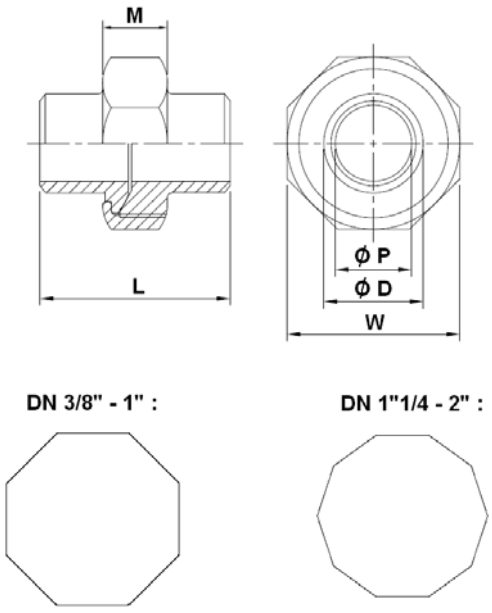
SIZE (in mm) :

- **Union Female – But Welding (DN 1/4“– 2“) Ref. 2028 - Conical seat**



DN	1/4"	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
Ø D	13.5	17.2	21.5	27	33.7	42.7	48.5	60.5
Ø P	9.4	12.6	16	21.5	27	35.6	41.5	52.7
L	35	38	40	45.7	50	56	57	58.6
M	12.2	15	15	15	17	20	20	20.8
W	28	34	39.2	46	55	63.5	71	85
W1	17.4	20.3	26.5	31	38	47.3	53.3	66.5
Weight (Kg)	0.065	0.113	0.145	0.185	0.290	0.395	0.465	0.675

- **Union B.W. – B.W. (DN 8– DN 50) Ref. 2029 - Conical seat**



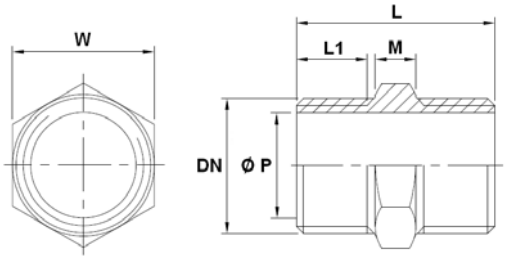
DN	8	10	15	20	25	32	40	50
Ø D	13.5	17.2	21.5	27	33.7	42.7	48.5	60.5
Ø P	9.4	12.6	16	21.5	27	35.6	41.5	52.7
L	34.5	38.5	40	47.5	49.6	54.8	55	57.4
M	12.2	15	15	15	17	20	20	20.8
W	28	34	39.2	46	55	63.5	71	85
Weight (Kg)	0.06	0.107	0.144	0.203	0.310	0.42	0.510	0.765

Information provided as an indication and subject to possible modification

STAINLESS STEEL FITTINGS PN20

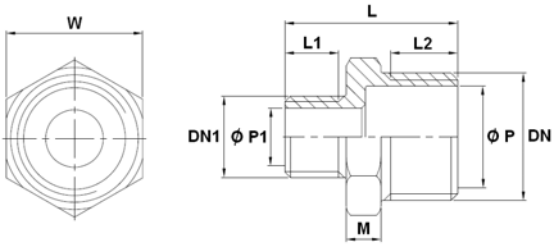
SIZE (in mm) :

- **Hexagon nipple (DN 1/8“– 2“) Ref. 2030**



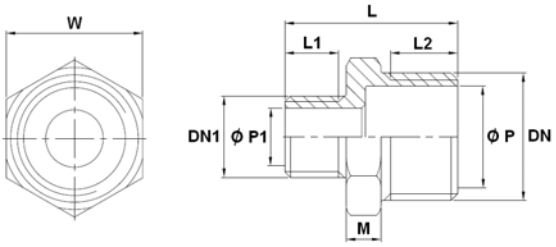
DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	30	32	32	41	43.5	49	52	52	55
L1	12	13	13	16.5	17.8	19.5	21	21	22
M	6	6	6	8	8.5	10	10	10	11
Ø P	5.5	8.2	11.8	15.2	21	26.5	35	41	53
W	13	15	18	23	29	35	45	50	62
Weig. (Kg)	0.015	0.023	0.028	0.047	0.073	0.11	0.169	0.207	0.305

- **Reduced nipple male - male (DN 1/8“– 2“) Ref. 2031**



DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
DN1	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2
L	31	34	36.5	41	45	51	53	55.5
L1	12	13	13	17	16	20	21	21.5
L2	13	14	16.5	17.5	20	21	21.5	23
M	6	7	7	7	9	10	10.5	11
Ø P	8.2	11.8	15.2	21	27	35	41	51.8
Ø P1	5.5	8.2	11.8	15.2	21	27	35	41
W	15	18.8	23	28.5	35.5	45	51	62
Weight (Kg)	0.018	0.029	0.043	0.063	0.1	0.169	0.24	0.305

- **Double reduced nipple male - male (DN 1/8“– 2“) Ref. 2032**

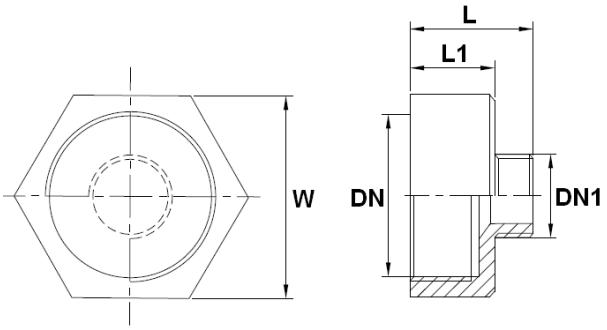


DN	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
DN1	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4
L	34	36.5	41	45	48.5	52	55.5
L1	10	11	12	14	14	17.5	18
L2	14	16.5	17.5	20	21	21.5	23
M	7	7	7	9	10	10.5	11
Ø P	11.8	15.2	21	27	35	41	51.8
Ø P1	5.5	8.2	11.8	15.2	21	27	35
W	18.8	23	28.5	35.5	45	51	62
Weight (Kg)	0.028	0.042	0.064	0.099	0.16	0.24	0.314

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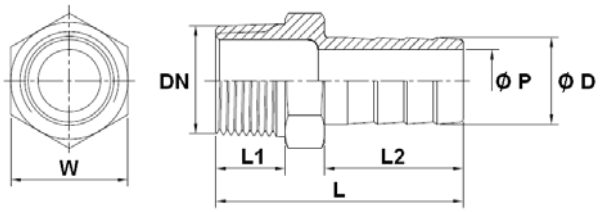
SIZE (in mm) :

- **Reduced nipple female - male (DN 1/8“– 2“) Ref. 2033**



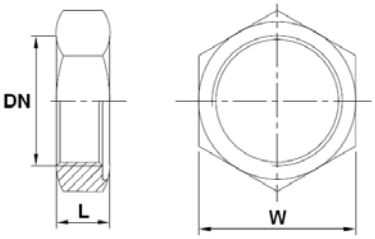
DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
DN1	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2
L	27	31	35	38.5	44	47	50	53
L1	16.5	18.5	22	23	26	27	28	30
W	17	21	26	32	38	46	54	63
Weig. (Kg)	0.024	0.039	0.068	0.104	0.127	0.170	0.265	0.290

- **Hose nozzle (DN 1/4“– 2“) Ref. 2035**



DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	43	49	56.5	60	69	70	80	88
L1	11.5	13	15	15.5	19	22	22	22.5
L2	25	29.5	33	34	39	37	47.5	53.5
Ø D	8	10	13	20	25	32	40	51.5
Ø P	4	5	7	15	19.5	26.5	33.5	44
W	15	19	23	28	37	45	50	62
Weig. (Kg)	0.020	0.034	0.055	0.084	0.133	0.196	0.286	0.44

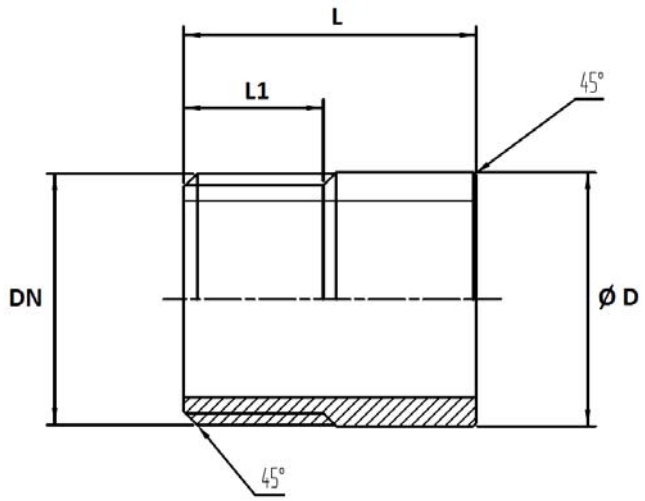
- **Hexagon nut (DN 1/8“– 2“) Ref. 2036**



DN	1/8“	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	6.3	7	7.5	7.7	9.2	9	11.7	11.8	13.1
W	17.3	19.1	25.3	30.1	34.4	43.2	52	58.1	71.9
Weig. (Kg)	0.008	0.009	0.018	0.024	0.032	0.048	0.086	0.097	0.155

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SIZE (in mm) :



- **Welding nipple L=50 mm (DN 1/4“– 2“) Ref. 2034**

DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	50	50	50	50	50	50	50	50
L1	11	11	13	16	19	21	21	24
Ø D	13.7x2.2	17.1x2.3	21.3x2.3	26.6x2.3	33.4x2.8	42.1x2.8	48.3x2.8	60.3x3.3
Weig. (Kg)	0.025	0.039	0.05	0.06	0.093	0.135	0.126	0.215

- **Standard welding nipple (DN 1/4“– 4“) Ref. 2039**

DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“	2“1/2	3“	4“
L	22	23	27	33	35	36	41	46	55	70	80
L1	11	11	13	16	19	21	21	24	25	30	35
Ø D	13.7x2.2	17.1x2.3	21.3x2.3	26.6x2.3	33.4x2.8	42.1x2.8	48.3x2.8	60.3x3.3	76.1x3.3	88.9x3.8	114.3x3.8
Weig. (Kg)	0.010	0.013	0.025	0.037	0.061	0.074	0.106	0.176	0.295	0.461	0.66

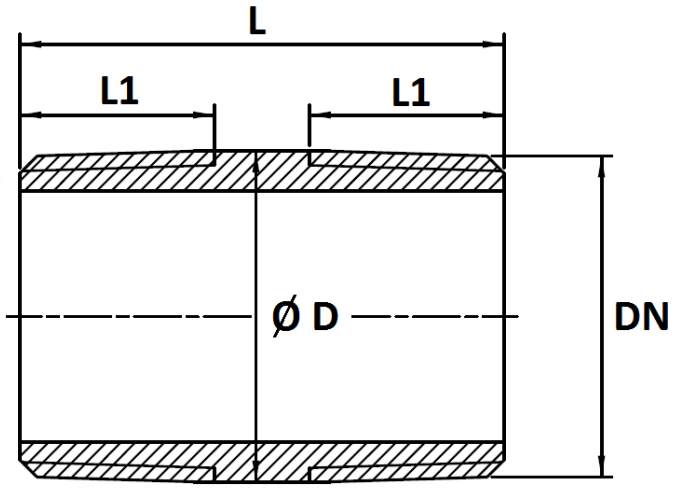
- **Welding nipple L=100 mm (DN 1/4“– 2“) Ref. 2042**

DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	100	100	100	100	100	100	100	100
L1	11	11	13	16	19	21	21	24
Ø D	13.7x2.2	17.1x2.3	21.3x2.3	26.6x2.3	33.4x2.8	42.1x2.8	48.3x2.8	60.3x3.3
Weig. (Kg)	0.050	0.078	0.116	0.139	0.186	0.270	0.32	0.430

Information provided as an indication and subject to possible modification

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SIZE (in mm) :



- **Barrel nipple L=100 mm (DN 1/4“– 2“) Ref. 2038**

DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	100	100	100	100	100	100	100	100
L1	11	11	15	16	19	21	21	25.5
Ø D	13.7x2.2	17.1x2.3	21.3x2.3	26.6x2.3	33.4x2.8	42.1x2.8	48.3x2.8	60.3x3.3
Weig. (Kg)	0.051	0.063	0.105	0.127	0.185	0.229	0.262	0.39

- **Standard barrel nipple (DN 1/4“– 4“) Ref. 2040**

DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“	2“1/2	3“	4“
L	40	40	60	60	60	80	80	100	120	120	120
L1	11	11	15	16	19	21	21	25.5	29	32	35
Ø D	13.7x2.2	17.1x2.3	21.3x2.3	26.6x2.3	33.4x2.8	42.1x2.8	48.3x2.8	60.3x3.3	76.1x3.3	88.9x3.8	114.3x3.8
Weig. (Kg)	0.019	0.022	0.058	0.066	0.1	0.169	0.193	0.390	0.438	0.743	0.95

- **Barrel nipple L=200 mm (DN 1/4“– 2“) Ref. 2041**

DN	1/4“	3/8“	1/2“	3/4“	1“	1“1/4	1“1/2	2“
L	200	200	200	200	200	200	200	200
L1	11	11	15	16	19	21	21	25.5
Ø D	13.7x2.2	17.1x2.3	21.3x2.3	26.6x2.3	33.4x2.8	42.1x2.8	48.3x2.8	60.3x3.3
Weig. (Kg)	0.102	0.126	0.210	0.254	0.370	0.52	0.59	0.780

Information provided as an indication and subject to possible modification

STAINLESS STEEL FITTINGS PN20

STANDARDS :

- Fabrication according to ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (Article 4,§3)
- Male conical BSP threaded according to ISO 7/1 R for Ref. 2010, 2020, 2021, 2022, 2023, 2024, 2026, 2027, 2030, 2031, 2032, 2033, 2034, 2035, 2038, 2039, 2040, 2041, 2042 and 2062
- Female cylindrical BSP threaded according to ISO 228-1 for Ref. 2015 and 2017
- Female cylindrical BSP threaded according to ISO 7/1 Rp for Ref. 2001, 2002, 2003, 2010, 2013, 2014, 2021, 2024, 2025, 2026, 2028, 2033, 2036 and 2037

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The customer must check the right choice of the products with the real service conditions.

Information provided as an indication and subject to possible modification