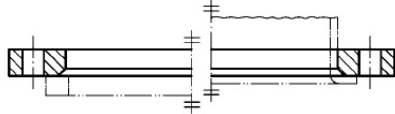
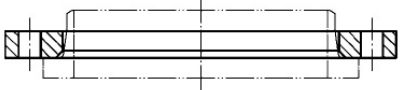
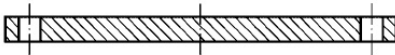


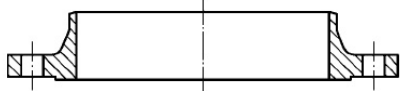
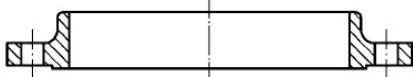
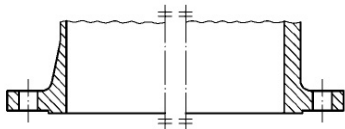
DEFINITION DES TYPES DE BRIDES ET DE COLLETS - NF EN 1092-1

TYPES OF FLANGES AND COLLARS - NF EN 1092-1

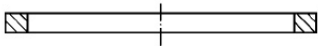
BRIDES SANS COLLERETTE - FLANGES WITHOUT WELDING NECK

TYPE 01 Bride plate à souder <i>Welding flat flange</i> 	TYPE 02 Bride tournante sur collet à souder <i>Loose flat flange with welding neck</i> 
TYPE 04 Bride plate tournante sur collet à collerette à souder <i>Loose flat flange with welding neck collar</i> 	TYPE 05 Bride pleine <i>Blind flange</i> 

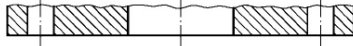
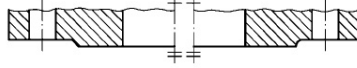
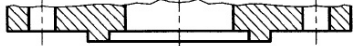
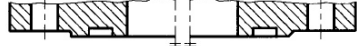
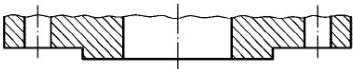
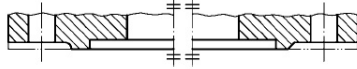
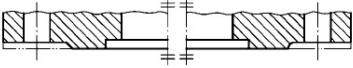
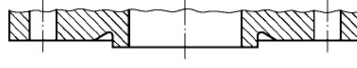
BRIDES AVEC COLLERETTE - WELDING NECK FLANGES

TYPE 11 Bride à collerette à souder bout à bout <i>Welding neck flange</i> 	TYPE 12 Bride à emmancher et à souder à collerette <i>Hubbed slip-on flange for welding</i> 
TYPE 13 Bride filetée à collerette <i>Neck threaded flange</i> 	TYPE 21 Bride incorporée <i>Integral flange long welding neck</i> 

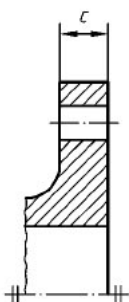
COLLETS - WELDING NECKS

TYPE 32 Collet plat à souder <i>Welding flat collar</i> 	TYPE 33 Collet embouti à souder <i>Lapped pipe end</i> 
TYPE 34 Collet à collerette à souder <i>Welding neck collar</i> 	

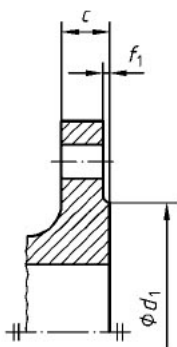
FACES DE JOINTS - FLANGE FACINGS

TYPE A Face de joint plate <i>Flat face</i> 	TYPE B Face de joint surélevée <i>Raised face</i> 
TYPE C Emboîtement double mâle <i>Tongue face</i> 	TYPE D Emboîtement double femelle <i>Groove face</i> 
TYPE E Emboîtement mâle <i>Male face</i> 	TYPE F Emboîtement femelle <i>Female face</i> 
TYPE G Emboîtement femelle pour joint torique <i>Female face for O-ring</i> 	TYPE H Emboîtement mâle pour joint torique <i>Male face for O-ring</i> 

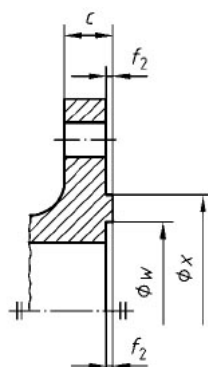
DIMENSIONS DES PORTEES DE JOINT - NF EN 1092-1 **FLANGE FACING DIMENSIONS - NF EN 1092-1**

TYPE A

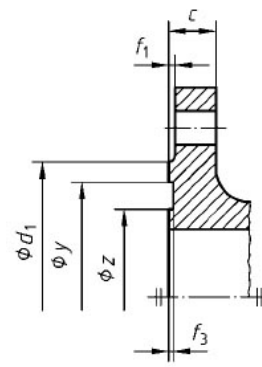
Face de joint plate
Flat face

TYPE B

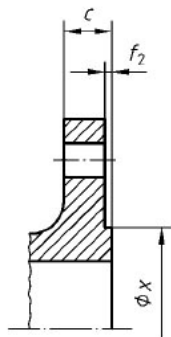
Face de joint surélevée
Raised face

TYPE C

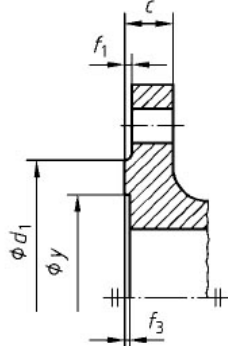
Emboîtement double mâle
Tongue face

TYPE D

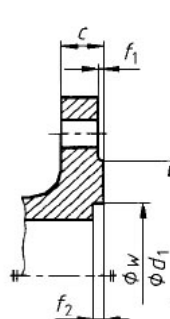
Emboîtement double femelle
Groove face

TYPE E

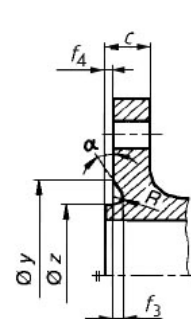
Emboîtement mâle
Male face

TYPE F

Emboîtement femelle
Female face

TYPE G

Emboîtement F. pour joint torique
Female face for O-ring

TYPE H

Emboîtement M. pour joint torique
Male face for O-ring

TABLEAU DES DIMENSIONS - DIMENSIONS

DN	d ₁ (mm)						f ₁ (mm)	f ₂ (mm)	f ₃ (mm)	f ₄ (mm)	W (mm)	X (mm)	Y (mm)	Z (mm)	α	R (mm)
	PN 6	PN 10	PN 16	PN 25	PN 40	PN 63										
10	35			40			2	4.5	4.0	2.0	24	34	35	23	-	2.5
15	40			45			2	4.5	4.0	2.0	29	39	40	28	-	2.5
20	50			58			2	4.5	4.0	2.0	36	50	51	35	41°	2.5
25	60			68			2	4.5	4.0	2.0	43	57	58	42	41°	2.5
32	70			78			2	4.5	4.0	2.0	51	65	66	50	41°	2.5
40	80			88			2	4.5	4.0	2.0	61	75	76	60	41°	2.5
50	90			102			2	4.5	4.0	2.0	73	87	88	72	41°	2.5
65	110			122			2	4.5	4.0	2.0	95	109	110	94	41°	2.5
80	128			138			2	4.5	4.0	2.0	106	120	121	105	41°	2.5
100	148	158	158	162	162	162	2	5.0	4.5	2.5	129	149	150	128	32°	3
125	178	188	188	188	188	188	2	5.0	4.5	2.5	155	175	176	154	32°	3
150	202	212	212	218	218	218	2	5.0	4.5	2.5	183	203	204	182	32°	3
200	258	268	268	278	285	285	2	5.0	4.5	2.5	239	259	260	238	32°	3
250	312	320	320	335	345	345	2	5.0	4.5	2.5	292	312	313	291	32°	3
300	365	370	378	395	410	410	2	5.0	4.5	2.5	343	363	364	342	32°	3
350	415	430	438	450	465	465	2	5.5	5.0	3.0	395	421	422	394	27°	3.5
400	465	482	490	505	535	535	2	5.5	5.0	3.0	447	473	474	446	27°	3.5
450	520	532	550	555	560	560	2	5.5	5.0	3.0	497	523	524	496	27°	3.5
500	570	585	610	615	615	615	2	5.5	5.0	3.0	549	575	576	548	27°	3.5
600	670	685	725	720	735	735	2	5.5	5.0	3.0	649	675	676	648	27°	3.5
700	775	800	795	820	-	840	2	5.5	5.0	3.0	751	777	778	750	27°	3.5
800	880	905	900	930	-	960	2	5.5	5.0	3.0	856	882	883	855	27°	3.5
900	980	1005	1000	1030	-	1070	2	5.5	5.0	3.0	961	987	988	960	27°	3.5
1000	1080	1110	1115	1140	-	1180	2	6.5	6.0	4.0	1062	1092	1094	1060	27°	3.5

BRIDES A COLLERETTE A SOUDER EN BOUT - ACIER OU INOX - TYPE 11 B

WELDING NECK FLANGES - C. OR S. STEEL - TYPE 11 B



Construction suivant EN 1092-1

Execution according to EN 1092-1

Acier carbone
Acier allié
Inox 316 L, 304 L
Super alliages

Carbon steel
Alloy steel
AISI 316 L, 304L
Exotic alloys

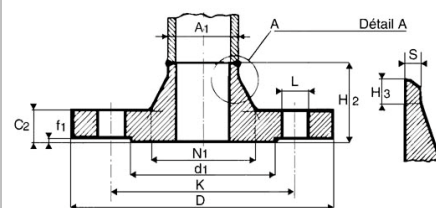
BRIDE ACIER A COLLERETTE PN 6 - WN FLANGE, PN 6

10006

DN	Collerette			Ø ext. D	Epais. C ₂	Hauteurs		Perçage		Portée de joint		Poids (kg)
	Ø A ₁	Ep. S	Ø N ₁			H ₂	H ₃	n x L	Ø K	Ø d ₁	f ₁	
10	17.2	1.8	26	75	12	28	6	4 x 11	50	35	2	0.5
15	21.3	2.0	30	80	12	30	6	4 x 11	55	40	2	0.5
20	26.9	2.3	38	90	14	32	6	4 x 11	65	50	2	0.5
25	33.7	2.6	42	100	14	35	6	4 x 11	75	60	2	1.0
32	42.4	2.6	55	120	14	35	6	4 x 14	90	70	2	1.0
40	48.3	2.6	62	130	14	38	7	4 x 14	100	80	2	1.5
50	60.3	2.9	74	140	14	38	8	4 x 14	110	90	2	1.5
65	76.1	2.9	88	160	14	38	9	4 x 14	130	110	2	2.0
80	88.9	3.2	102	190	16	42	10	4 x 18	150	128	2	3.0
100	114.3	3.6	130	210	16	45	10	4 x 18	170	148	2	3.5
125	139.7	4.0	155	240	18	48	10	8 x 18	200	178	2	4.5
150	168.3	4.5	184	265	18	48	12	8 x 18	225	202	2	5.5

Construction suivant EN 1092-1 (≈ DIN 2631)
Acier carbone

Variantes : inox 304 L, 316 L, ...
Option : cote S à la demande



BRIDE ACIER A COLLERETTE PN 10 - WN FLANGE, PN 10

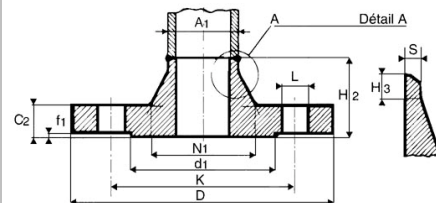
10010

DN	Collerette			Ø ext.	Epais.	Hauteurs		Perçage		Portée de joint		Poids (kg)
	Ø A ₁	Ep. S	Ø N ₁	D	C ₂	H ₂	H ₃	n x L	Ø K	Ø d ₁	f ₁	
10 ou 40	Utiliser les dimensions PN 40 - Use dimensions of PN 40											
50 ou 150	Utiliser les dimensions PN 16 - Use dimensions of PN 16											
200	219.1	6.3	234	340	24	62	16	8 x 22	295	268	2	11.5
250	273.0	6.3	292	395	26	68	16	12 x 22	350	320	2	15.5
300	323.9	7.1	342	445	26	68	16	12 x 22	400	370	2	18.0
350	355.6	7.1	385	505	26	68	16	16 x 22	460	430	2	24.5
400	406.4	7.1	440	565	26	72	16	16 x 26	515	482	2	29.5
450	457	7.1	488	615	28	72	16	20 x 26	565	532	2	34.0
500	508	7.1	542	670	28	75	16	20 x 26	620	585	2	39.5
600	610	7.1	642	780	28	80	18	20 x 30	725	685	2	56.0
700	711	8	746	895	30	80	18	24 x 30	840	800	2	65.0
800	813	8	850	1015	32	90	18	24 x 33	950	905	2	87.0
900	914	10	950	1115	34	95	20	28 x 33	1050	1005	2	106.0
1000	1016	10	1052	1230	34	95	20	28 x 36	1160	1110	2	123.0

Construction suivant EN 1092-1 (≈ DIN 2632)

• acier carbone : réf. **10010**
• inox 316 L : réf. **10010 I**
Variantes : inox 304 L, ...

Sur demande :
- DN 1200 au DN 3000
- cote S pour sch. 40 ; 80 ; 160



BRIDE ACIER A COLLERETTE PN 16 - WN FLANGE, PN 16

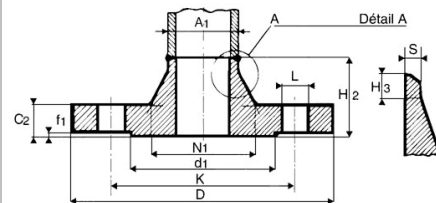
10016

DN	Collerette			Ø ext.	Epais.	Hauteurs		Perçage		Portée de joint		Poids (kg)
	Ø A ₁	Ep. S	Ø N ₁	D	C ₂	H ₂	H ₃	n x L	Ø K	Ø d ₁	f ₁	
10 ou 40	Utiliser les dimensions PN 40 - Use dimensions of PN 40											
50	60.3	2.9	74	165	18	45	8	4 x 18	125	102	2	2.5
65	76.1	2.9	92	185	18	45	10	4 x 18	145	122	2	3.0
80	88.9	3.2	105	200	20	50	10	8 x 18	160	138	2	4.0
100	114.3	3.6	131	220	20	52	12	8 x 18	180	158	2	4.5
125	139.7	4.0	156	250	22	55	12	8 x 18	210	188	2	6.5
150	168.3	4.5	184	285	22	55	12	8 x 22	240	212	2	7.5
200	219.1	6.3	235	340	24	62	16	12 x 22	295	268	2	11.0
250	273.0	6.3	292	405	26	70	16	12 x 26	355	320	2	16.5
300	323.9	7.1	344	460	28	78	16	12 x 26	410	378	2	22.0
350	355.6	8.0	390	520	30	82	16	16 x 26	470	438	2	32.0
400	406.4	8.0	445	580	32	85	16	16 x 30	525	490	2	40.0
450	457.0	8.0	490	640	40	87	16	20 x 30	585	550	2	54.5
500	508.0	8.0	548	715	44	90	16	20 x 33	650	610	2	74.0
600	610.0	8.8	652	840	54	95	18	20 x 36	770	725	2	116.5

Construction suivant EN 1092-1 (≈ DIN 2633)

• acier carbone : réf. **10016**
• inox 316 L : réf. **10016 I**
Variantes : inox 304 L, ...

Sur demande :
- DN 700 au DN 2000
- cote S pour sch. 40 ; 80 ; 160



BRIDES A COLLERETTE A SOUDER EN BOUT - ACIER OU INOX - TYPE 11 B

WELDING NECK FLANGES - C. OR S. STEEL - TYPE 11 B

BRIDE ACIER A COLLERETTE PN 25 - WN FLANGE, PN 25

10025

DN	Collerette			Ø ext.	Epais.	Hauteurs		Perçage		Portée de joint		Poids (kg)
	Ø A ₁	Ep. S	Ø N ₁	D	C ₂	H ₂	H ₃	n x L	Ø K	Ø d ₁	f ₁	
10 ou 150	Utiliser les dimensions PN 40 Use dimensions of PN 40											
200	219.1	6.3	244	360	30	80	16	12 x 26	310	278	2	17.0
250	273.0	7.1	298	425	32	88	18	12 x 30	370	335	2	24.0
300	323.9	8.0	352	485	34	92	18	16 x 30	430	395	2	31.5
350	355.6	8.0	398	555	38	100	20	16 x 33	490	450	2	48.0
400	406.4	8.8	452	620	40	110	20	16 x 36	550	505	2	63.0
450	457	8.8	500	670	46	110	20	20 x 36	600	555	2	75.5
500	508	10.0	558	730	48	125	20	20 x 36	660	615	2	96.5
600	610	11.0	660	845	58	125	20	20 x 39	770	720	2	138.6
700	711	12.5	760	960	46	125	20	24 x 42	875	820	2	143.5
800	813	14.2	864	1085	50	135	22	24 x 48	990	930	2	193.5
900	914	16.0	968	1185	54	145	24	28 x 48	1090	1030	2	237.0
1000	1016	17.5	1070	1320	58	155	24	28 x 56	1210	1140	2	310.5

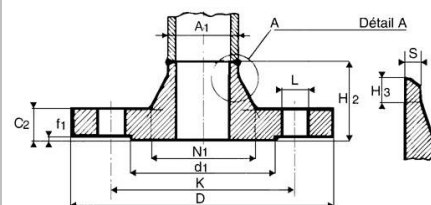
Construction suivant EN 1092-1 (≈ DIN 2634)

- acier carbone : réf. **10025**
- inox 316 L : réf. **10025 I**

Variantes : inox 304 L, ...

Sur demande :

- cote S pour sch. 40 ; 80 ; 160
- emboîtements



BRIDE ACIER A COLLERETTE PN 40 - WN FLANGE, PN 40

10040

DN	Collerette			Ø ext.	Epais.	Hauteurs		Perçage		Portée de joint		Poids (kg)
	Ø A ₁	Ep. S	Ø N ₁	D	C ₂	H ₂	H ₃	n x L	Ø K	Ø d ₁	f ₁	
10	17.2	1.8	28	90	16	35	6	4 x 14	60	40	2	0.5
15	21.3	2.0	32	95	16	38	6	4 x 14	65	45	2	1.0
20	26.9	2.3	40	105	18	40	6	4 x 14	75	58	2	1.0
25	33.7	2.6	46	115	18	40	6	4 x 14	85	68	2	1.0
32	42.4	2.6	56	140	18	42	6	4 x 18	100	78	2	2.0
40	48.3	2.6	64	150	18	45	7	4 x 18	110	88	2	2.0
50	60.3	2.9	75	165	20	48	8	4 x 18	125	102	2	3.0
65	76.1	2.9	90	185	22	52	10	8 x 18	145	122	2	4.0
80	88.9	3.2	105	200	24	58	12	8 x 18	160	138	2	5.0
100	114.3	3.6	134	235	24	65	12	8 x 22	190	162	2	6.5
125	139.7	4.0	162	270	26	68	12	8 x 26	220	188	2	9.0
150	168.3	4.5	192	300	28	75	12	8 x 26	250	218	2	11.5
200	219.1	6.3	244	375	34	88	16	12 x 30	320	285	2	21.0
250	273.0	7.1	306	450	38	105	18	12 x 33	385	345	2	34.0
300	323.9	8.0	362	515	42	115	18	16 x 33	450	410	2	47.5
350	355.6	8.8	408	580	46	125	20	16 x 36	510	465	2	69.0
400	406.4	11.0	462	660	50	135	20	16 x 39	585	535	2	98.0
450	457.0	12.5	500	685	57	135	20	20 x 39	610	560	2	105.08
500	508.0	14.2	562	755	57	140	20	20 x 42	670	615	2	130.5
600	610.0	16.0	666	890	72	150	20	20 x 48	795	735	2	211.5

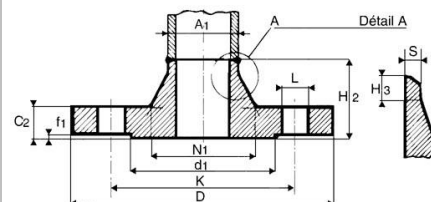
Construction suivant EN 1092-1 (≈ DIN 2635)

- acier carbone : réf. **10040**
- inox 316 L : réf. **10040 I**

Variantes : inox 304 L, ...

Sur demande :

- cote S pour sch. 40 ; 80 ; 160
- emboîtements



BRIDE ACIER A COLLERETTE PN 63 - WN FLANGE, PN 63

10063

DN	Collerette			Ø ext.	Epais.	Hauteurs		Perçage		Portée de joint		Poids (kg)
	Ø A ₁	Ep. S	Ø N ₁	D	C ₂	H ₂	H ₃	n x L	Ø K	Ø d ₁	f ₁	
10 ou 40	Utiliser les dimensions PN 100 Use dimensions of PN 100											
50	60.3	2.9	82	180	26	62	10	4 x 22	135	102	2	4.5
65	76.1	3.2	98	205	26	68	12	8 x 22	160	122	2	5.5
80	88.9	3.6	112	215	28	72	12	8 x 22	170	138	2	6.5
100	114.3	4.0	138	250	30	78	12	8 x 26	200	162	2	9.5
125	139.7	4.5	168	295	34	88	12	8 x 30	240	188	2	14.5
150	168.3	5.6	202	345	36	95	12	8 x 33	280	218	2	21.5
200	219.1	7.1	256	415	42	110	16	12 x 36	345	285	2	34.0
250	273.0	8.8	316	470	46	125	18	12 x 36	400	345	2	48.0
300	323.9	11.0	372	530	52	140	18	16 x 36	460	410	2	67.5
350	355.6	12.5	420	600	56	150	20	16 x 39	525	465	2	97.5
400	406.4	14.2	475	670	60	160	20	16 x 42	585	535	2	129.0

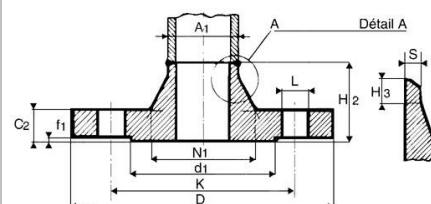
Construction suivant EN 1092-1 (≈ DIN 2636)

- acier carbone : réf. **10063**

Variantes : inox 316 L, 304 L, ...

Sur demande :

- cote S pour sch. 40 ; 80 ; 160
- emboîtements



BRIDE A COLLERETTE A SOUDER EN BOUT TYPE 11 B

WELDING NECK FLANGE TYPE 11 B

BRIDE A COLLERETTE ACIER PN 100 - WN FLANGE, PN 100

10100

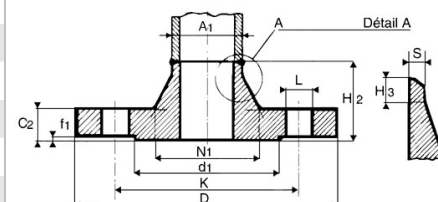
DN	Collerette			Ø ext.	Epais.	Hauteurs		Perçage		Portée de joint		Poids (kg)
	Ø A ₁	Ep. S	Ø N ₁			D	C ₂	H ₂	H ₃	n x L	Ø K	
10	17.2	1.8	32	100	20	45	6	4 x 14	70	40	2	1.0
15	21.3	2.0	34	105	20	45	6	4 x 14	75	45	2	1.0
20	26.9	2.6	42	130	22	48	8	4 x 18	90	58	2	2.0
25	33.7	2.6	52	140	24	58	8	4 x 18	100	68	2	2.5
32	42.4	2.9	62	155	24	60	8	4 x 22	110	78	2	3.0
40	48.3	2.9	70	170	26	62	10	4 x 22	125	88	2	4.0
50	60.3	3.2	90	195	28	68	10	4 x 26	145	102	2	6.0
65	76.1	3.6	108	220	30	76	12	8 x 26	170	122	2	7.5
80	88.9	4.0	120	230	32	78	12	8 x 26	180	138	2	9.0
100	114.3	5.0	150	265	36	90	12	8 x 30	210	162	2	13.0
125	139.7	6.3	180	315	40	105	12	8 x 33	250	188	2	21.0
150	168.3	7.1	210	355	44	115	12	12 x 33	290	218	2	28.0
200	219.1	10.0	278	430	52	130	16	12 x 36	360	285	2	50.0
250	273.0	12.5	340	505	60	157	18	12 x 39	430	345	2	81.0
300	323.9	14.2	400	585	68	170	18	16 x 42	500	410	2	117.97
350	355.6	16.0	460	655	74	189	20	16 x 48	560	465	2	167.25

Construction suivant EN 1092-1
Acier carbone

Variantes : inox 316 L, 304 L, ...

Sur demande :

- côte S pour sch. 40 ; 80 ; 160
- DN 400 et DN 500

**ATTENTION :**

Ne pas confondre ces brides **PN 100** avec les brides **ISO PN 100** (= classe 600 selon ASME B 16.5)

BRIDE A COLLERETTE A VISSER TYPE 13 B

THREADED NECK FLANGE TYPE 13 B

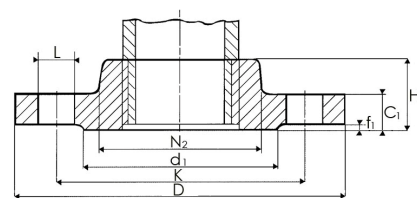
BRIDE A COLLERETTE TARAUEE ACIER PN 16 - THREADED NECK FLANGE, PN 16

10110 T

DN	Collerette	Ø ext.	Epaisseur	Hauteur	Perçage		Portée de joint		Poids (kg)
					n x L	Ø K	Ø d ₁	f ₁	
10	30	90	14	20	4 x 14	60	40	2	0.54
15	35	95	14	20	4 x 14	65	45	2	0.61
20	45	105	16	24	4 x 14	75	58	2	0.91
25	52	115	16	24	4 x 14	85	68	2	1.10
32	60	140	16	26	4 x 18	100	78	2	1.60
40	70	150	16	26	4 x 18	110	88	2	1.78
50	85	165	18	28	4 x 18	125	102	2	2.43
65	105	185	18	32	4 x 18	145	122	2	3.18
80	118	200	20	34	8 x 18	160	138	2	4.12
100	140	220	20	38	8 x 18	180	158	2	4.47
125	168	250	22	40	8 x 18	210	188	2	6.13
150	195	285	22	44	8 x 22	240	212	2	7.92

Construction suivant DIN 2566
Acier carbone

Portée de Joint Surélevée (PJS)



BRIDES PLATES A SOUDER TYPE 01 A / BRIDES PLEINES TYPE 05 A

WELDING PLATE FLANGES TYPE 01 A / BLIND FLANGES TYPE 05 A

BRIDE PLATE A SOUDER & BRIDE PLEINE PN 10 - PLATE & BLIND FLANGE PN 10

11010 - 11060

DN	Ø ext.	Perçage		TYPE 01 A			TYPE 05 A		
	D	n x L	Ø K	C ₁	B ₁	Poids (kg)	C ₄	G max.	Poids (kg)
10	90	4 x 14	60	14	18.0	0.6	16	-	1.0
15	95	4 x 14	65	14	22.0	0.5	16	-	1.0
20	105	4 x 14	75	16	27.5	1.0	18	-	1.0
25	115	4 x 14	85	16	34.5	1.0	18	-	1.5
32	140	4 x 18	100	18	43.5	2.0	18	-	2.0
40	150	4 x 18	110	18	49.5	2.0	18	-	2.5
50	165	4 x 18	125	19	61.5	2.5	18	-	3.0
65	185	4 x 18	145	20	77.5	3.0	18	55	3.5
80	200	8 x 18	160	20	90.5	3.5	20	70	4.5
100	220	8 x 18	180	22	116.0	4.5	20	90	5.5
125	250	8 x 18	210	22	141.5	5.5	22	115	8.0
150	285	8 x 22	240	24	170.5	7.0	22	140	10.5
200	340	8 x 22	295	24	221.5	9.5	24	190	16.5
250	395	12 x 22	350	26	276.5	12.0	26	235	24.0
300	445	12 x 22	400	26	327.5	13.5	26	285	31.0
350	505	16 x 22	460	28	359.5	20.5	26	330	39.5
400	565	16 x 26	515	32	411.0	27.5	26	380	49.5
450	615	20 x 26	565	36	462.0	33.5	28	425	63.0
500	670	20 x 26	620	38	513.5	40.0	28	475	75.5
600	780	20 x 30	725	42	616.5	54.5	34	575	124.0
700	895	24 x 30	840	40 *	716 *	66 *	38	670	182.5
800	1015	24 x 33	950	44 *	818 *	91 *	42	770	260.0
900	1115	28 x 33	1050	48 *	920 *	108 *	46	860	344.0
1000	1230	28 x 36	1160	50 *	1022 *	133 *	52	960	473.5
1200	1455	32 x 39	1380	54 *	1226 *	188 *	60	1160	765.0

* selon DIN 2576 pour DN ≥ 700

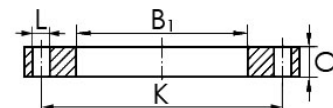


Construction suivant EN 1092-1 (≈ DIN 2576)

- Bride plate à souder acier : réf. **11010**

Variantes de brides plates :

- Bride amincie : réf. **11010 A**
- Bride inox 316 L : réf. **11011 I**

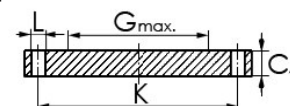


Construction suivant EN 1092-1 (≈ DIN 2527)

- Bride pleine en acier : réf. **11060**

Variante :

- Bride pleine inox 316 L : réf. **11060 I**



BRIDE PLATE A SOUDER & BRIDE PLEINE ISO PN 16 - PLATE & BLIND FLANGE ISO PN 16

11016 - 11065

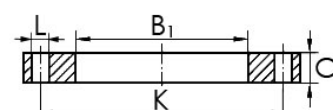
DN	Ø ext.	Perçage		TYPE 01 A			TYPE 05 A		
	D	n x L	Ø K	C ₁	B ₁	Poids (kg)	C ₄	G max.	Poids (kg)
10	90	4 x 14	60	14	18.0	0.6	16	-	1.0
15	95	4 x 14	65	14	22.0	0.5	16	-	1.0
20	105	4 x 14	75	16	27.5	1.0	18	-	1.0
25	115	4 x 14	85	16	34.5	1.0	18	-	1.5
32	140	4 x 18	100	18	43.5	2.0	18	-	2.0
40	150	4 x 18	110	18	49.5	2.0	18	-	2.5
50	165	4 x 18	125	19	61.5	2.5	18	-	3.0
65	185	4 x 18	145	20	77.5	3.0	18	55	3.5
80	200	8 x 18	160	20	90.5	3.5	20	70	4.5
100	220	8 x 18	180	22	116.0	4.5	20	90	5.5
125	250	8 x 18	210	22	141.5	5.5	22	115	8.0
150	285	8 x 22	240	24	170.5	7.0	22	140	10.5
200	340	12 x 22	295	26	221.5	9.5	24	190	16.5
250	405	12 x 26	355	29	276.5	14.0	26	235	25.0
300	460	12 x 26	410	32	327.5	19.0	28	285	35.0
350	520	16 x 26	470	35	359.0	28.0	30	330	48.0
400	580	16 x 30	525	38	411.0	36.0	32	380	63.5
450	640	20 x 30	585	42	462.0	46.0	40	425	96.5
500	715	20 x 33	650	46	513.5	64.0	44	475	133.0
600	840	20 x 36	770	52	616.5	96.0	54	575	226.5
700	910	24 x 36	840	44 *	716 *	77 *	48	670	236.0
800	1025	24 x 39	950	50 *	818 *	106 *	52	770	325.0
900	1115	28 x 39	1050	54 *	920 *	125 *	58	860	437.5
1000	1255	28 x 42	1170	60 *	1022 *	178 *	64	960	602.0
1200	1485	32 x 48	1390	68 *	1226 *	263 *	76	1160	999.0

* selon DIN 2502 pour DN ≥ 700



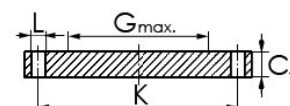
Construction suivant EN 1092-1

- Bride plate à souder acier : réf. **11016**



Construction suivant EN 1092-1 (≈ DIN 2527)

- Bride pleine acier : réf. **11065**

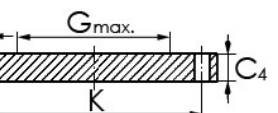


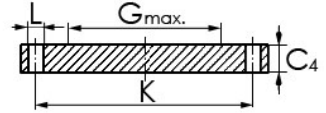
BRIDES PLEINES TYPE 05 A

BLIND FLANGES TYPE 05 A

BRIDES PLEINES PN 25 - BLIND FLANGES PN 25

11070

DN	Ø ext.	Perçage		Epaisseur C ₄	Ø d'épaulement G _{max.}	Poids (kg)	Construction suivant EN 1092-1 (≈ DIN 2527) Acier carbone Variantes : • Inox 304 L, 316 L, UB6, ... • Emboîtements 
	D	n x L	Ø K				
10 au 150	Utiliser les dimensions PN 40 <i>Use dimensions of PN 40</i>						
200	360	12 x 26	310	30	190	22.5	
250	425	12 x 30	370	32	235	33.5	
300	485	16 x 30	430	34	285	46.5	
350	555	16 x 33	490	38	332	68.0	
400	620	16 x 36	550	40	380	89.5	



BRIDES PLEINES PN 40 - BLIND FLANGES PN 40

11075

DN	Ø ext.	Perçage		Epaisseur C ₄	Ø d'épaulement G _{max.}	Poids (kg)	Construction suivant EN 1092-1 (≈ DIN 2527) Acier carbone Variantes : • Inox 304, 316 L, UB6, ... • Emboîtements
	D	n x L	Ø K				
10	90	4 x 14	60	16	-	1.0	
15	95	4 x 14	65	16	-	1.0	
20	105	4 x 14	75	18	-	1.0	
25	115	4 x 14	85	18	-	1.5	
32	140	4 x 18	100	18	-	2.0	
40	150	4 x 18	110	18	-	2.5	
50	165	4 x 18	125	20	-	3.0	
65	185	8 x 18	145	22	55	4.5	Execution acc. to EN 1092-1 (≈ DIN 2527) Carbon steel construction Alternates : • 304, 316 L, UB6, ... • Male & Female facings
80	200	8 x 18	160	24	70	5.5	
100	235	8 x 22	190	24	90	7.5	
125	270	8 x 26	220	26	115	11.0	
150	300	8 x 26	250	28	140	14.5	
200	375	12 x 30	320	36	190	29.0	
250	450	12 x 33	385	38	235	44.5	
300	515	16 x 33	450	42	285	64.0	
350	580	16 x 36	510	46	330	89.5	
400	660	16 x 39	585	50	380	127.0	
450	685	30 x 39	610	57	425	154.0	
500	755	20 x 42	670	57	475	188.0	
600	890	20 x 48	795	72	575	331.0	



BRIDES TOURNANTES - COLLETS A COLLERETTE - COLLETS PLATS

LOOSE PLATE FLANGES - WN COLLARS - WELDING FLAT COLLARS

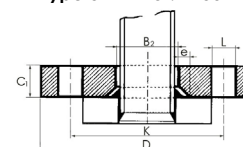
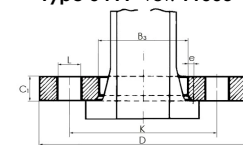
BRIDES PLATES TOURNANTES ACIER ISO PN 10 - LOOSE PLATE FLANGES ISO PN 10

11002 - 11003

DN	Alésage (mm)		Ø ext.	Epaisseur	Perçage		Chanfrein	Kg / pc	
	B ₂ - 11002	B ₃ - 11003	D (mm)	C ₁ (mm)	n x L	Ø K (mm)	e (mm)	TYPE 02A	TYPE 04 A
10	21	31	90	14	4 x 14	60	3	0.5	0.5
15	25	35	95	14	4 x 14	65	3	0.5	0.5
20	31	42	105	16	4 x 14	75	4	1.0	1.0
25	38	49	115	16	4 x 14	85	4	1.0	1.0
32	47	59	140	18	4 x 18	100	5	2.0	1.5
40	53	67	150	18	4 x 18	110	5	2.0	2.0
50	65	77	165	19	4 x 18	125	5	2.5	2.5
65	81	96	185	20	4 x 18	145	6	3.0	3.0
80	94	108	200	20	8 x 18	160	6	3.5	3.0
100	120	134	220	22	8 x 18	180	6	4.5	4.0
125	145	162	250	22	8 x 18	210	6	5.5	4.5
150	174	188	285	24	8 x 22	240	6	7.0	6.0
200	226	240	340	24	8 x 22	295	6	9.0	8.0
250	281	294	395	26	12 x 22	350	8	11.5	10.0
300	333	348	445	26	12 x 22	400	8	13.0	11.5
350	365	400	505	28	16 x 22	460	8	19.5	15.0
400	416	450	565	32	16 x 26	515	8	26.5	21.0
450	467	498	615	36	20 x 26	565	8	32.5	26.0
500	519	550	670	38	20 x 26	620	8	39.0	31.0
600	622	650	780	42	20 x 30	725	8	52.5	43.5



Norme EN 1092-1 (≈ DIN 2642)

Acier : réf. **11002** ; 316 L : réf. **11002 I**Variantes : 304 L, UB6, ...
PN 16, PN 40**Type 02 A - réf. 11002****Type 04 A - réf. 11003**

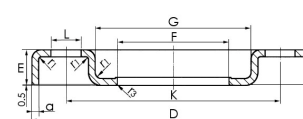
BRIDES TOURNANTES POINT BLEU ISO PN 10 - LAP JOINT FLANGES ISO PN 10

11004 - 11004 I

DN	Dimensions							Perçage		Kg / pc	Gain de poids (1)
	a (mm)	D (mm)	E (mm)	F (mm)	G (mm)	r ₁ (mm)	r ₃ (mm)	n x L	Ø K		
15	3	95	11.5	24	38	3	3	4 x 13.5	65	0.20	70 %
20	3	105	14	30	48	3	3	4 x 13.5	75	0.25	70 %
25	3	115	16	38	53	3	3	4 x 13.5	85	0.30	62 %
32	3	140	16.5	46	68	3	3.5	4 x 17.5	100	0.45	62 %
40	4	150	18	54	77	3	3.5	4 x 17.5	110	0.62	70 %
50	4	165	20	65	91	3	4	4 x 17.5	125	0.90	65 %
65	5	185	22	81	108	4.5	5	4 x 17.5	145	1.20	65 %
80	5	200	23	94	123	4.5	5	8 x 17.5	160	1.30	65 %
100	6	220	24	119	141	5	5	8 x 17.5	180	1.75	60 %
125	6	250	25.5	145	168	4.5	5	8 x 17.5	210	2.20	50 %
150	6	285	27	173	192	4.5	5	8 x 21.5	240	2.70	50 %
200	8	340	31	225	245	5	5	8 x 21.5	295	4.60	50 %

Bride tournante emboutie PN 10 / 200°C
Pour collet à souder ISO ou métrique
Norme EN 1092-1 **type 2** (≈ DIN 2642)

- réf. **11004** : acier bichromaté
- réf. **11004 I** : inox 304



(1) Par rapport à une bride tournante standard

COLLETS A COLLERETTE A SOUDER - WELDING NECK COLLARS

110516 - 110540

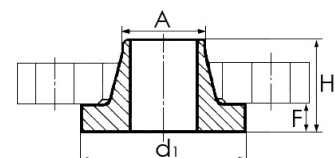
DN	Ø A (mm)	réf. 110516 PN 10/16				réf. 110540 PN 25/40			
		d ₁ (mm)	F (mm)	H ₂ (mm)	Kg / pc	d ₁ (mm)	F (mm)	H ₂ (mm)	Kg / pc
10	17.2	40	12	35	0.14	40	12	35	0.16
15	21.3	45	12	38	0.18	45	12	38	0.21
20	26.9	58	14	40	0.32	58	14	40	0.40
25	33.7	68	14	40	0.42	68	14	40	0.48
32	42.4	78	14	42	0.55	78	14	42	0.60
40	48.3	88	14	45	0.65	88	14	45	0.80
50	60.3	102	16	45	0.95	102	16	48	1.10
65	76.1	122	16	45	1.20	122	16	52	1.50
80	88.9	138	16	50	1.75	138	18	58	2.0
100	114.3	158	18	52	2.20	162	20	65	2.90

Norme EN 1092-1 **type 34**

Assemblage sur bride type 11003

Acier carbone

Variantes : inox 304 L, 316 L, ...



COLLETS PLATS A SOUDER - WELDING FLAT COLLARS

110616 - 110640

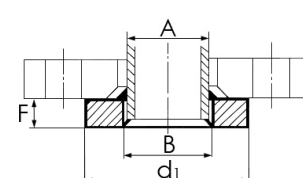
DN	Ø A (mm)	B ₁ (mm)	réf. 110616 PN 10/16			réf. 110640 PN 25/40		
			d ₁ (mm)	F (mm)	Kg / pc	d ₁ (mm)	F (mm)	Kg / pc
10	17.2	18.0	40	10	0.09	40	12	0.11
15	21.3	22.0	45	10	0.11	45	12	0.13
20	26.9	27.5	58	12	0.20	58	14	0.22
25	33.7	34.5	68	12	0.25	68	14	0.30
32	42.4	43.5	78	12	0.32	78	14	0.37
40	48.3	49.5	88	12	0.40	88	14	0.46
50	60.3	61.5	102	16	0.58	102	16	0.67
65	76.1	77.5	122	16	0.77	122	16	0.88
80	88.9	90.5	138	16	0.95	138	18	1.07
100	114.3	116.0	158	18	1.20	162	20	1.50
10	17.2	18.0	40	10	0.09	40	12	0.11

Norme EN 1092-1 **type 32**

Assemblage sur bride type 11002

Acier carbone

Variantes : inox 304 L, 316 L, ...



COLLETS INOX 316 L A SOUDER

STAINLESS STEEL 316 L COLLARS

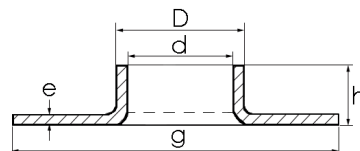
COLLET MINCE PN 10 - THIN COLLAR PN 10

11007

D x e	d (mm)	g (mm)	h (mm)	D x e	d (mm)	g (mm)	h (mm)	D x e	d (mm)	g (mm)	h (mm)
17.2 x 2	13.2	40	6	88.9 x 2	84.9	138	13	254.0 x 2	250.0	320	22
21.3 x 2	17.3	45	6	88.9 x 3	82.9	138	13	256.0 x 3	250.0	320	22
24.0 x 2	20.0	60	7	104.0 x 2	100.0	158	12	273.0 x 2	269.0	320	22
26.9 x 2	22.9	58	7	114.3 x 2	110.3	158	12	273.0 x 3	267.0	320	22
33.7 x 2	29.7	68	9	114.3 x 3	108.8	158	12	304.0 x 2	300.0	370	22
34.0 x 2	30.0	80	9	129.0 x 2	125.0	186	12	306.0 x 3	300.0	370	22
39.0 x 2	35.0	80	9	139.7 x 2	135.7	186	14	323.9 x 2	319.9	370	23
42.4 x 2	38.4	78	10	139.7 x 3	133.7	186	14	323.9 x 3	317.9	370	23
44.0 x 2	40.0	90	10	154.0 x 2	150.0	212	18	354.0 x 2	350.0	430	23
48.3 x 2	44.3	88	10	168.3 x 2	164.3	212	18	355.6 x 3	349.6	430	23
54.0 x 2	50.0	105	12	168.3 x 3	162.3	212	18	406.4 x 3	400.4	482	23
60.3 x 2	56.3	102	12	204.0 x 2	200.0	268	18	457.2 x 4	449.2	532	40
76.1 x 2	72.1	122	12	206.0 x 3	200.0	268	18	508.0 x 4	500.0	585	40
76.1 x 3	70.1	122	12	219.1 x 2	215.1	268	22				
84.0 x 2	80.0	140	12	219.1 x 3	213.1	268	22				

Collet mince embouti suivant NFE 29 251

- PN 10
- Inox 316 L (inox 304 L sur demande)
- Pour tubes ISO et métriques



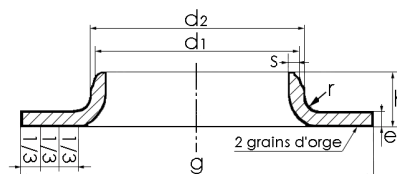
COLLET EPAIS USINE PN 10 - THICK MACHINED COLLAR PN 10

11007 E

DN	Ø d ₁ (mm)	Ø d ₂ (mm)	s (mm)		e (mm)	g (mm)	h (mm)	r (mm)
			de	à				
10	17.2	18.4	1.6	2	3	42	7	3
15	21.3	22.5	1.6	2	3	47	7	3
20	26.9	27.2	1.6	2	3	58	9	3
25	33.7	37	1.6	3	4	68	10.5	4
32	42.4	46	1.6	3.2	4	78	14	4
40	48.3	51	1.6	3.2	4	88	14	4
50	60.3	63.5	1.6	3.6	4	102	16	4
65	76.1	79.5	1.6	3.6	5	122	19	4
80	88.9	93.5	2	4	5	133	23	4
100	114.3	117.5	2	4.5	5	158	25	4
125	139.7	149	2	4.5	5	184	26	4
150	168.3	172	2	4.5	5	212	29	4
200	219.1	224	2	4.5	5	268	32	4
250	273.0	277	2	4.5	5	320	32	5
300	323.9	328	3	5	5	370	36	5

Collet épais usiné

- Dimensions dérivées de la norme NFE 29 251
- PN 10
- Inox 316 L (inox 304 L sur demande)
- Pour tubes ISO et métriques

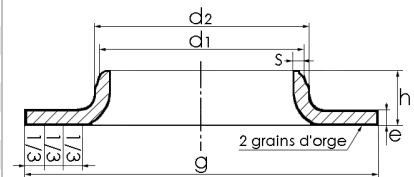


COLLET EMBOUTI TUBE SCH. 40S - PRESSED COLLAR SCH. 40S PIPE

11008

DN		Ø d ₁ (mm)	s (mm)	e (mm)	g (mm)	h (mm)
15	1/2	21.3	2.77	3	45	7
20	3/4	26.9	2.88	3	58	9
25	1	33.4	3.38	4	68	10.5
32	1-1/4	42.4	3.56	4	78	14
40	1-1/2	48.3	3.68	4	88	14
50	2	60.3	3.91	5	102	16
65	2-1/2	73.0	5.16	6	122	19
80	3	88.9	5.49	6	138	23
100	4	114.3	6.02	8	158	26
125	5	141.3	6.55	8	188	26
150	6	168.3	7.11	8	212	29

- Collet embouti pour tube sch. 40S (tube sch. 10S, 80S, etc. sur demande)
- Inox 316 L (inox 304 L sur demande)



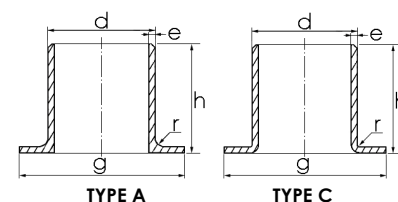
COLLETS "STUB END" SELON ASME B 16.9 / MSS-SP 43 - "STUB END" COLLARS

11009

DN	Ø d ₁ (mm)	e (mm)		g (mm)	h (mm)	r (mm)	
		sch. 10S	sch. 40S			TYPE A	TYPE C
1/2	21.3	2.11	2.77	34.9	51	3	0.8
3/4	26.7	2.11	2.87	42.8	51	3	0.8
1	33.4	2.77	3.38	50.8	51	3	0.8
1-1/4	42.2	2.77	3.56	63.5	51	5	0.8
1-1/2	48.3	2.77	3.68	73.0	51	6	0.8
2	60.3	2.77	3.91	92.1	63	8	0.8
2-1/2	73.0	3.05	5.16	104.8	63	8	0.8
3	88.9	3.05	5.49	127.0	63	10	0.8
4	114.3	3.05	6.02	157.2	76	11	0.8
5	141.3	3.40	6.55	185.7	76	11	1.6
6	168.3	3.40	7.11	215.9	89	13	1.6
8	219.1	3.76	8.18	269.9	102	13	1.6
10	273.0	4.19	9.27	323.9	127	13	1.6

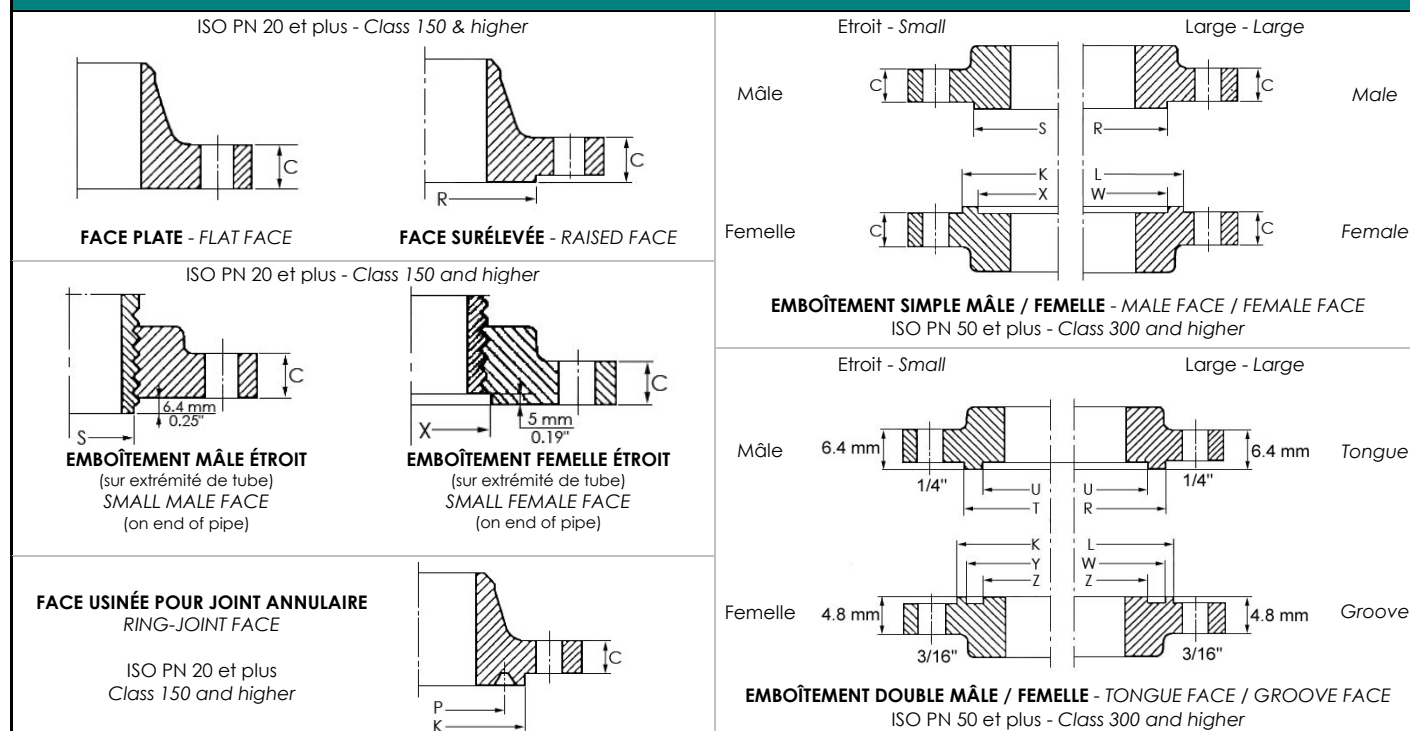
Collets "stub end" ANSI :

- **TYPE A** série courte : réf. **11009 A**
- **TYPE C** série courte : réf. **11009** (longueur courte selon MSS SP 43)
- Inox 316 L (inox 304 L sur demande)



DIMENSIONS DES PORTEES DE JOINT - ASME B 16.5

FLANGE FACINGS DIMENSIONS - ASME B 16.5



DIMENSIONS POUR TOUTES CLASSES DE PRESSION - DIMENSIONS FOR ALL PRESSURE CLASSES

DN		K (mm)	L (mm)	R (mm)	S (mm)	T (mm)	U (mm)	W (mm)	X (mm)	Y (mm)	Z (mm)
15	1/2	44.5	46.0	35.0	18.3	35.1	25.4	36.6	19.8	36.6	23.9
20	3/4	52.3	53.8	42.9	23.9	42.9	33.2	44.4	25.4	44.4	31.7
25	1	57.2	62.0	50.8	30.2	47.7	38.1	52.3	31.7	49.2	36.6
32	1-1/4	66.5	74.7	63.5	38.1	57.2	47.7	65.0	39.6	58.7	46.0
40	1-1/2	73.2	84.1	73.1	44.5	63.5	53.8	74.7	46.0	65.0	52.3
50	2	92.0	103.1	91.9	57.2	82.6	73.2	93.7	58.7	84.1	71.4
65	2-1/2	104.6	115.8	104.6	68.3	95.3	85.9	106.4	69.9	96.8	84.1
80	3	127.0	138.2	127.0	84.1	117.3	108.0	128.5	85.9	119.1	106.4
100	4	157.2	168.1	157.2	109.5	144.6	131.8	158.9	111.3	146.1	130.0
125	5	185.7	196.9	185.7	136.7	173.0	160.3	186.5	138.2	174.8	158.8
150	6	215.9	227.0	215.9	162.1	203.2	190.5	217.4	163.6	204.7	183.0
200	8	269.7	281.0	269.7	212.8	254.0	238.3	271.5	214.4	255.5	236.5
250	10	323.9	335.0	323.8	266.7	304.8	285.8	325.4	268.2	306.3	284.2
300	12	381.0	392.2	381.0	317.5	362.0	342.9	382.5	319.0	363.5	341.4
350	14	412.8	424.0	412.8	349.3	393.7	374.7	414.3	350.8	395.2	373.1
400	16	469.9	481.0	469.9	400.1	447.5	425.5	471.4	401.6	449.3	424.0
450	18	533.4	544.6	533.4	450.8	511.0	489.0	534.9	452.4	512.8	487.4
500	20	584.2	595.4	584.2	501.7	558.8	533.4	585.7	503.2	560.3	531.9
600	24	692.2	703.3	692.2	603.3	666.8	641.4	693.7	604.8	668.3	639.8

DIMENSIONS POUR FACES DE BRIDES A JOINT ANNULAIRE - DIMENSIONS OF RING-JOINT FACINGS

DN		Série 150 lbs			Séries 300 - 600 lbs			Série 900 lbs			Série 1500 lbs			Série 2500 lbs		
		K (mm)	P (mm)	N°	K (mm)	P (mm)	N°	K (mm)	P (mm)	N°	K (mm)	P (mm)	N° joint	K (mm)	P (mm)	N° joint
15	1/2				50.8	34.14	R11	60.5	39.67	R12	60.5	39.67	R12	65.0	42.88	R13
20	3/4				63.5	42.28	R13	66.5	44.45	R14	66.5	44.45	R14	73.2	50.80	R16
25	1	63.5	47.62	R15	69.9	50.80	R16	71.4	50.80	R16	71.4	50.80	R16	82.6	60.32	R18
32	1-1/4	73.2	57.15	R17	79.2	60.32	R18	81.0	60.32	R18	81.0	60.32	R18	101.6	72.24	R21
40	1-1/2	82.5	65.07	R19	90.4	68.28	R20	91.9	68.28	R20	91.9	68.28	R20	114.3	82.55	R23
50	2	101.6	82.55	R22	108.0	82.55	R23	123.9	95.25	R24	123.9	95.25	R24	133.4	101.60	R26
65	2-1/2	120.7	101.60	R25	127.0	101.60	R26	136.7	107.95	R27	136.7	107.95	R27	149.4	111.12	R28
80	3	133.4	114.30	R29	146.1	123.83	R30	155.4	123.82	R31	168.1	136.52	R35	168.1	127.00	R32
100	4	171.5	149.22	R36	174.8	149.22	R37	180.8	149.22	R37	193.5	161.92	R39	203.2	157.18	R38
125	5	193.5	171.45	R40	209.6	180.98	R41	215.9	180.98	R41	228.6	193.68	R44	241.3	190.50	R42
150	6	219.0	193.68	R43	241.3	211.12	R45	241.3	211.12	R45	248.0	211.12	R46	279.4	228.60	R47
200	8	273.0	247.65	R48	301.8	269.88	R49	307.8	269.88	R49	318.0	269.88	R50	339.9	279.40	R51
250	10	330.2	304.80	R52	355.6	323.85	R53	362.0	323.85	R53	371.0	323.85	R54	425.5	342.90	R55
300	12	406.4	381.00	R56	412.8	381.00	R57	419.1	381.00	R57	438.0	381.00	R58	495.3	406.40	R60
350	14	425.5	396.88	R59	457.2	419.10	R61	466.9	419.10	R62	489.0	419.10	R63			
400	16	482.6	454.02	R64	508.0	469.90	R65	523.7	469.90	R66	546.0	469.90	R67			
450	18	546.1	517.52	R68	574.5	533.40	R69	593.9	533.40	R70	613.0	533.40	R71			
500	20	596.9	558.80	R72	635.0	584.20	R73	647.7	584.20	R74	673.0	584.20	R75			
600	24	711.2	673.10	R76	749.3	692.15	R77	771.7	692.15	R78	794.0	692.15	R79			

BRIDES WELDING NECK A FACE SURELEVEE - ASME B 16.5

WELDING NECK FLANGES RAISED FACE - ASME B 16.5

BRIDES WELDING NECK ISO PN 20 RF - WN FLANGES CLASS 150 # RF

10150

DN		Collerette		Ø ext. D	Ep. C	Hauteurs		Perçage		Portée de joint Ø R	Poids (kg)
		Ø A	Ø N			H ₂	H ₃	n x L	Ø K		
15	1/2	21.3	30	89	11.2	48	6.4	4 x 15.8	60.3	34.9	0.6
20	3/4	26.7	38	99	12.7	52	6.4	4 x 15.8	69.8	42.9	0.8
25	1	33.4	49	108	14.3	56	6.4	4 x 15.8	79.4	50.8	1.1
32	1-1/4	42.2	59	117	15.7	57	6.4	4 x 15.8	88.9	63.5	1.4
40	1-1/2	48.3	65	127	17.5	62	6.4	4 x 15.8	98.4	73.0	1.8
50	2	60.3	78	152	19.1	63	6.4	4 x 19.0	120.6	92.1	2.7
65	2-1/2	73.0	90	178	22.3	70	6.4	4 x 19.0	139.7	104.8	4.0
80	3	88.9	108	190	23.9	70	6.4	4 x 19.0	152.4	127.0	4.5
100	4	114.3	135	229	23.9	76	6.4	8 x 19.0	190.5	157.2	7.0
125	5	141.3	164	254	23.9	89	6.4	8 x 22.2	215.9	185.7	8.6
150	6	168.3	192	279	25.4	89	6.4	8 x 22.2	241.3	215.9	10.8
200	8	219.1	246	343	28.5	102	6.4	8 x 22.2	298.4	269.9	18.0
250	10	273.0	305	406	30.2	102	6.4	12 x 25.4	362.0	323.8	24.0
300	12	323.9	365	483	31.8	114	6.4	12 x 25.4	431.8	381.0	37.0
350	14	355.6	400	533	35.0	127	6.4	12 x 28.5	476.2	412.8	47.0
400	16	406.4	457	597	36.6	127	6.4	16 x 28.5	539.8	469.9	58.0
450	18	457.0	505	635	39.7	140	6.4	16 x 31.8	577.8	533.4	64.0
500	20	508.0	559	698	42.9	144	6.4	20 x 31.8	635.0	584.2	77.0
600	24	610.0	664	813	47.7	152	6.4	20 x 35.0	749.3	692.2	118.0



ISO PN 20 - Série 150 lbs - ASME B 16.5

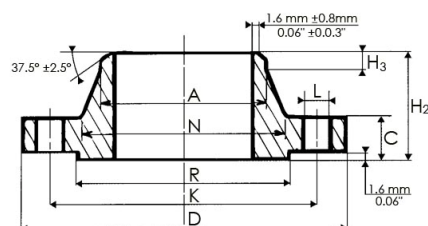
• Acier : réf. 10150

• inox 316 L : réf. 10150 I

Variantes : aciers alliés, inox 304 L, ...

Standard : pour tube épaisseur sch. 40

Autres épaisseurs de tube sur demande



BRIDES WELDING NECK ISO PN 50 RF - WN FLANGES CLASS 300 # RF

10300

DN		Collerette		Ø ext. D	Ep. C	Hauteurs		Perçage		Portée de joint Ø R	Poids (kg)
		Ø A	Ø N			H ₂	H ₃	n x L	Ø K		
15	1/2	21.3	38	95	14.2	52	6.4	4 x 15.8	66.7	34.9	1.5
20	3/4	26.7	48	117	15.7	57	6.4	4 x 19.0	82.6	42.9	1.8
25	1	33.4	54	124	17.5	62	6.4	4 x 19.0	88.9	50.8	2.0
32	1-1/4	42.2	63	133	19.0	65	6.4	4 x 19.0	98.4	63.5	2.5
40	1-1/2	48.3	70	156	20.6	68	6.4	4 x 22.2	114.3	73.0	3.5
50	2	60.3	84	165	22.4	70	6.4	8 x 19.0	127.0	92.1	4.0
65	2-1/2	73.0	100	190	25.4	76	6.4	8 x 22.2	149.2	104.8	5.0
80	3	88.9	117	210	28.4	79	6.4	8 x 22.2	168.3	127.0	7.0
100	4	114.3	146	254	31.8	86	6.4	8 x 22.2	200.0	157.2	11.0
125	5	141.3	178	279	35.0	98	6.4	8 x 22.2	235.0	185.7	14.0
150	6	168.3	206	318	36.6	98	6.4	12 x 22.2	269.9	215.9	19.0
200	8	219.1	260	381	41.1	111	6.4	12 x 25.4	330.2	269.9	30.0
250	10	273.0	320	444	47.8	117	6.4	16 x 28.5	387.4	323.8	41.0
300	12	323.9	375	521	50.8	130	6.4	16 x 31.8	450.8	381.0	62.0
350	14	355.6	425	584	53.8	143	6.4	20 x 31.8	514.4	412.8	84.0
400	16	406.4	483	648	57.2	146	6.4	20 x 35.0	571.5	469.9	111.0
450	18	457.0	533	711	60.5	159	6.4	24 x 35.0	628.6	533.4	138.0
500	20	508.0	587	775	63.5	162	6.4	24 x 35.0	685.8	584.2	171.0
600	24	610.0	701	914	69.9	168	6.4	24 x 41.1	812.8	692.2	247.0

ISO PN 50 - Série 300 lbs - ASME B 16.5

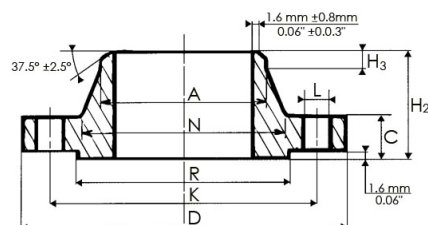
• acier : réf. 10300

• inox 316 L : réf. 10300 I

Variantes : inox 304, ...

Standard : pour tube épaisseur SCH. 80

Autres épaisseurs de tube sur demande



BRIDES WELDING NECK ISO PN 100 RF - WN FLANGES CLASS 600 # RF

10600

DN		Collerette		Ø ext. D	Ep. C	Hauteurs		Perçage		Portée de joint Ø R	Poids (kg)
		Ø A	Ø N			H ₂	H ₃	n x L	Ø K		
15	1/2	21.3	38	95	14.2	52	6.4	4 x 15.8	66.7	34.9	1.5
20	3/4	26.7	48	117	15.7	57	6.4	4 x 19.0	82.6	42.9	2.0
25	1	33.4	54	124	17.5	62	6.4	4 x 19.0	88.9	50.8	2.5
32	1-1/4	42.2	64	133	20.6	67	6.4	4 x 19.0	98.4	63.5	3.2
40	1-1/2	48.3	70	156	22.4	70	6.4	4 x 22.2	114.3	73.0	4.5
50	2	60.3	84	165	25.4	73	6.4	8 x 19.0	127.0	92.1	5.5
65	2-1/2	73.0	100	190	28.4	79	6.4	8 x 22.2	149.2	104.8	8.0
80	3	88.9	118	210	31.8	83	6.4	8 x 22.2	168.3	127.0	10.5
100	4	114.3	152	273	38.1	102	6.4	8 x 25.4	215.9	157.2	19.0
125	5	141.3	189	330	44.5	114	6.4	8 x 28.5	266.7	185.7	31.0
150	6	168.3	222	356	47.8	117	6.4	12 x 28.5	292.1	215.9	37.0
200	8	219.1	273	419	55.6	133	6.4	12 x 31.8	349.2	269.9	53.0
250	10	273.0	343	508	63.5	152	6.4	16 x 35.0	431.8	323.8	86.0
300	12	323.9	400	559	66.5	156	6.4	20 x 35.0	489.0	381.0	102.0
350	14	355.6	432	603	69.9	165	6.4	20 x 38.1	527.0	412.8	150.0
400	16	406.4	495	686	76.2	178	6.4	20 x 41.1	603.2	469.9	190.0
450	18	457.0	546	743	82.6	184	6.4	20 x 44.5	654.0	533.4	240.0
500	20	508.0	610	813	88.9	190	6.4	24 x 44.5	723.9	584.2	295.0
600	24	610.0	718	940	101.6	203	6.4	24 x 50.8	838.2	692.2	365.0

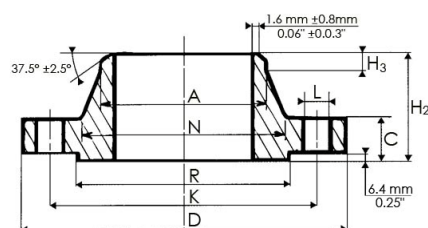
ISO PN 100 - Série 600 lbs - ASME B 16.5

• acier : réf. 10600

• inox 316 L : réf. 10600 I

Variantes : inox 304 L, ...

Epaisseur de tube à préciser



Sur demande Brides Ø ≥ 26" séries 150, 300, 600 selon ASME B16.47 (= MSS-SP 44) ou BS 3293

BRIDES SLIP-ON / BRIDES PLEINES - FACE SURELEVÉE - ASME B 16.5

SLIP-ON FLANGES / BLIND FLANGES - RAISED FACE - ASME B 16.5

BRIDES S.O. & PLEINES ISO PN 20 RF - S.O. & BL. FLANGES CLASS 150 # RF

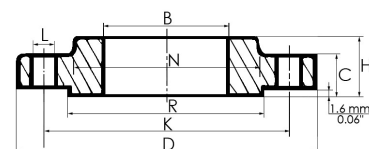
11150 - 12150

DN		Dimensions			Perçage		Slip-on			Poids (kg)	
		D	Ø R	C	n x L	Ø K	B	N	H ₁	S.O.	Blind
15	1/2	89	34.9	11.2	4 x 15.8	60.3	22.4	30	16	0.8	1.2
20	3/4	99	42.9	12.7	4 x 15.8	69.8	27.7	38	16	0.9	1.3
25	1	108	50.8	14.3	4 x 15.8	79.4	34.5	49	17	1.0	1.4
32	1-1/4	117	63.5	15.7	4 x 15.8	88.9	43.2	59	21	1.3	1.8
40	1-1/2	127	73.0	17.5	4 x 15.8	98.4	49.5	65	22	1.5	2.2
50	2	152	92.1	19.1	4 x 19.0	120.6	62.0	78	25	2.3	2.8
65	2-1/2	178	104.8	22.3	4 x 19.0	139.7	74.7	90	29	3.7	4.7
80	3	190	127.0	23.9	4 x 19.0	152.4	90.7	108	30	4.2	5.5
100	4	229	157.2	23.9	8 x 19.0	190.5	116.1	135	33	5.9	8.0
125	5	254	185.7	23.9	8 x 22.2	215.9	143.8	164	37	7.0	9.0
150	6	279	215.9	25.4	8 x 22.2	241.3	170.7	192	40	8.5	12.0
200	8	343	269.9	28.5	8 x 22.2	298.4	221.5	246	44	13.5	20.0
250	10	406	323.8	30.2	12 x 25.4	362.0	276.4	305	49	19.5	32.0
300	12	483	381.0	31.8	12 x 25.4	431.8	327.2	365	56	29.0	40.0
350	14	533	412.8	35.0	12 x 28.5	476.2	359.2	400	57	39.0	59.0
400	16	597	469.9	36.6	16 x 28.5	539.8	410.5	457	63	47.0	77.0
450	18	635	533.4	39.7	16 x 31.8	577.8	461.8	505	68	54.0	95.0
500	20	698	584.2	42.9	20 x 31.8	635.0	513.1	559	73	70.0	123.0
600	24	813	692.2	47.7	20 x 35.0	749.3	616.0	664	83	95.0	186.0

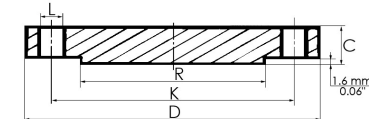


ISO PN 20 - Série 150 lbs - ASME B 16.5

- Bride S.O. acier : réf. **11150**
- Bride S.O. inox 316 L : réf. **11150 I**



- Bride pleine acier : réf. **12150**
- Bride pleine inox 316 L : réf. **12150 I**



BRIDES S.O. & PLEINES ISO PN 50 RF - S.O. & BL. FLANGES CLASS 300 # RF

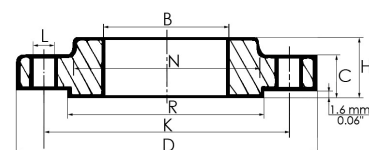
11300 - 12300

DN		Dimensions			Perçage		Slip-on			Poids (kg)	
		D	Ø R	C	n x L	Ø K	B	N	H ₁	S.O.	Blind
15	1/2	95	34.9	14.2	4 x 15.8	66.7	22.4	38	22	1.2	1.5
20	3/4	117	42.9	15.7	4 x 19.0	82.6	27.7	48	25	1.3	1.6
25	1	124	50.8	17.5	4 x 19.0	88.9	34.5	54	27	1.4	2.0
32	1-1/4	133	63.5	19.0	4 x 19.0	98.4	43.2	63	27	1.8	2.5
40	1-1/2	156	73.0	20.6	4 x 22.2	114.3	49.5	70	30	2.5	3.0
50	2	165	92.1	22.4	8 x 19.0	127.0	62.0	84	33	3.0	3.5
65	2-1/2	190	104.8	25.4	8 x 22.2	149.2	74.7	100	38	4.5	5.5
80	3	210	127.0	28.4	8 x 22.2	168.3	90.7	117	43	6.0	7.0
100	4	254	157.2	31.8	8 x 22.2	200.0	116.1	146	48	10.1	12.0
125	5	279	185.7	35.0	8 x 22.2	235.0	143.8	178	51	12.5	15.8
150	6	318	215.9	36.6	12 x 22.2	269.9	170.7	206	52	17.5	23.0
200	8	381	269.9	41.1	12 x 25.4	330.2	221.5	260	62	26.0	37.0
250	10	444	323.8	47.8	16 x 28.5	387.4	276.4	320	66	38.0	58.0
300	12	521	381.0	50.8	16 x 31.8	450.8	327.2	375	73	52.0	83.0
350	14	584	412.8	53.8	20 x 31.8	514.4	359.2	425	76	74.0	107.0
400	16	648	469.9	57.2	20 x 35.0	571.5	410.5	483	83	100.0	139.0
450	18	711	533.4	60.5	24 x 35.0	628.6	461.8	533	89	127.0	177.0
500	20	775	584.2	63.5	24 x 35.0	685.8	513.1	587	95	147.0	223.0
600	24	914	692.2	69.9	24 x 41.1	812.8	616.0	701	106	208.0	342.0

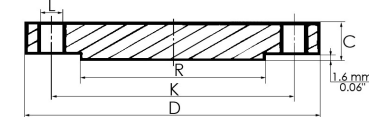


ISO PN 50 - Série 300 lbs - ASME B 16.5

- Bride S.O. acier : réf. **11300**
- Bride S.O. inox 316 L : réf. **11300 I**



- Bride pleine acier : réf. **12300**
- Bride pleine inox 316 L : réf. **12300 I**



BRIDES S.O. & PLEINES ISO PN 100 RF - S.O. & BL. FLANGES CLASS 600 # RF

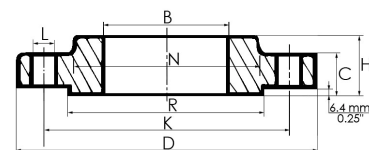
11600 - 12600

DN		Dimensions			Perçage		Slip-on			Poids (kg)	
		D	Ø R	C	n x L	Ø K	B	N	H ₁	S.O.	Blind
15	1/2	95	34.9	14.2	4 x 15.8	66.7	22.4	38	22	1.3	1.4
20	3/4	117	42.9	15.7	4 x 19.0	82.6	27.7	48	25	1.4	1.6
25	1	124	50.8	17.5	4 x 19.0	88.9	34.5	54	27	1.8	2.1
32	1-1/4	133	63.5	20.6	4 x 19.0	98.4	43.2	64	29	2.1	2.6
40	1-1/2	156	73.0	22.4	4 x 22.2	114.3	49.5	70	32	3.1	3.3
50	2	165	92.1	25.4	8 x 19.0	127.0	62.0	84	37	4.0	4.4
65	2-1/2	190	104.8	28.4	8 x 22.2	149.2	74.7	100	41	5.4	6.0
80	3	210	127.0	31.8	8 x 22.2	168.3	90.7	118	46	7.0	7.4
100	4	273	157.2	38.1	8 x 25.4	215.9	116.1	152	54	16.0	17.0
125	5	330	185.7	44.5	8 x 28.5	266.7	143.8	189	60	25.0	27.0
150	6	356	215.9	47.8	12 x 28.5	292.1	170.7	222	67	30.0	32.0
200	8	419	269.9	55.6	12 x 31.8	349.2	221.5	273	76	43.0	46.0
250	10	508	323.8	63.5	16 x 35.0	431.8	276.4	343	86	70.0	74.0
300	12	559	381.0	66.5	20 x 35.0	489.0	327.2	400	92	86.0	90.0
350	14	603	412.8	69.9	20 x 38.1	527.0	359.2	432	94	100.0	108.0
400	16	686	469.9	76.2	20 x 41.1	603.2	410.5	495	106	142.0	150.0
450	18	743	533.4	82.6	20 x 44.5	654.0	461.8	546	117	175.0	188.0
500	20	813	584.2	88.9	24 x 44.5	723.9	513.1	610	127	221.0	230.0
600	24	940	692.2	101.6	24 x 50.8	838.2	616.0	718	140	315.0	325.0

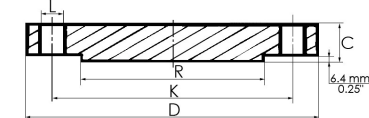


ISO PN 100 - Série 600 lbs - ASME B 16.5

- Bride S.O. acier : réf. **11600**
- Bride S.O. inox 316 L : réf. **11600 I**



- Bride pleine acier : réf. **12600**
- Bride pleine inox 316 L : réf. **12600 I**



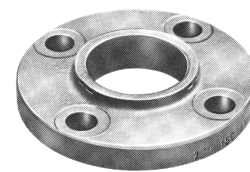
BRIDES TOURNANTES ACIER - ASME B 16.5

CARBON STEEL LAP JOINT FLANGES - ASME B 16.5

BRIDE TOURNANTE ISO PN 20 - LJ FLANGE CLASS 150

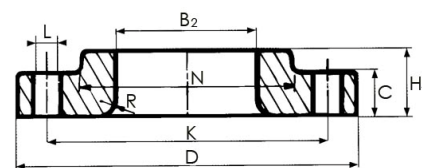
10150 LJ

DN		Alésage B ₂	Collerette Ø N	Ø ext. D	Ep. C	H ₄	Perçage		R	Poids (kg)
							n x L	Ø K		
15	1/2	22.9	30	89	11.2	16	4 x 15.8	60.3	3	0.8
20	3/4	28.2	38	99	12.7	16	4 x 15.8	69.8	3	0.9
25	1	35.0	49	108	14.3	17	4 x 15.8	79.4	3	1.0
32	1-1/4	43.7	59	117	15.7	21	4 x 15.8	88.9	5	1.3
40	1-1/2	50.0	65	127	17.5	22	4 x 15.8	98.4	6	1.5
50	2	62.5	78	152	19.1	25	4 x 19.0	120.6	8	2.3
65	2-1/2	75.4	90	178	22.3	29	4 x 19.0	139.7	8	3.7
80	3	91.4	108	190	23.9	30	4 x 19.0	152.4	10	4.2
100	4	116.8	135	229	23.9	33	8 x 19.0	190.5	11	5.9
125	5	144.5	164	254	23.9	37	8 x 22.2	215.9	11	7.0
150	6	171.4	192	279	25.4	40	8 x 22.2	241.3	13	8.5
200	8	222.2	246	343	28.5	44	8 x 22.2	298.4	13	13.5
250	10	277.4	305	406	30.2	49	12 x 25.4	362.0	13	19.5
300	12	328.2	365	483	31.8	56	12 x 25.4	431.8	13	29.0
350	14	360.2	400	533	35.0	79	12 x 28.5	476.2	13	45.0
400	16	411.2	457	597	36.6	87	16 x 28.5	539.8	13	58.0
450	18	462.3	505	635	39.7	97	16 x 31.8	577.8	13	66.0
500	20	514.4	559	698	42.9	103	20 x 31.8	635.0	13	84.0
600	24	616.0	664	813	47.7	111	20 x 35.0	749.3	13	118.0



ISO PN 20 - Série 150 lbs - ASME B 16.5
Acier carbone
Variantes : inox 304 L, 316 L, ...

ISO PN 20 - Class 150 lbs - ASME B 16.5
Carbon steel construction
Alternates : AISI 304 L, 316 L



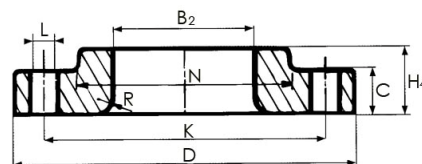
BRIDE TOURNANTE ISO PN 50 - LJ FLANGE CLASS 300

10300 LJ

DN		Alésage B ₂	Collerette Ø N	Ø ext. D	Ep. C	H ₄	Perçage		R	Poids (kg)
							n x L	Ø K		
15	1/2	22.9	38	95	14.2	22	4 x 15.8	66.7	3	1.2
20	3/4	28.2	48	117	15.7	25	4 x 19.0	82.6	3	1.3
25	1	35.0	54	124	17.5	27	4 x 19.0	88.9	3	1.4
32	1-1/4	43.7	63	133	19.0	27	4 x 19.0	98.4	5	1.8
40	1-1/2	50.0	70	156	20.6	30	4 x 22.2	114.3	6	2.5
50	2	62.5	84	165	22.4	33	8 x 19.0	127.0	8	3.0
65	2-1/2	75.4	100	190	25.4	38	8 x 22.2	149.2	8	4.5
80	3	91.4	117	210	28.4	43	8 x 22.2	168.3	10	6.0
100	4	116.8	146	254	31.8	48	8 x 22.2	200.0	11	10.1
125	5	144.5	178	279	35.0	51	8 x 22.2	235.0	11	12.5
150	6	171.4	206	318	36.6	52	12 x 22.2	269.9	13	17.5
200	8	222.2	260	381	41.1	62	12 x 25.4	330.2	13	26.0
250	10	277.4	320	444	47.8	95	16 x 28.5	387.4	13	41.0
300	12	328.2	375	521	50.8	102	16 x 31.8	450.8	13	63.0
350	14	360.2	425	584	53.8	111	20 x 31.8	514.4	13	86.0
400	16	411.2	483	648	57.2	121	20 x 35.0	571.5	13	109.0
450	18	462.3	533	711	60.5	130	24 x 35.0	628.6	13	138.0
500	20	514.4	587	775	63.5	140	24 x 35.0	685.8	13	170.0
600	24	616.0	701	914	69.9	152	24 x 41.1	812.8	13	241.0

ISO PN 50 - Série 300 lbs - ASME B 16.5
Acier carbone
Variantes : inox 304 L, 316 L, ...

ISO PN 50 - Class 300 lbs - ASME B 16.5
Carbon steel construction
Alternates : AISI 304 L, 316 L



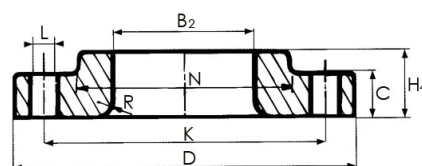
BRIDE TOURNANTE ISO PN 100 - LJ FLANGE CLASS 600

10600 LJ

DN		Alésage B ₂	Collerette Ø N	Ø ext. D	Ep. C	H ₄	Perçage		R	Poids (kg)
							n x L	Ø K		
15	1/2	22.9	38	95	14.2	22	4 x 15.8	66.7	3	1.3
20	3/4	29.2	48	117	15.7	25	4 x 19.0	82.6	3	1.4
25	1	35.0	54	124	17.5	27	4 x 19.0	88.9	3	1.8
32	1-1/4	43.7	64	133	20.6	29	4 x 19.0	98.4	5	2.1
40	1-1/2	50.0	70	156	22.4	32	4 x 22.2	114.3	6	3.1
50	2	62.5	84	165	25.4	37	8 x 19.0	127.0	8	4.0
65	2-1/2	75.4	100	190	28.4	41	8 x 22.2	149.2	8	5.4
80	3	91.4	118	210	31.8	46	8 x 22.2	168.3	10	7.0
100	4	116.8	152	273	38.1	54	8 x 25.4	215.9	11	16.0
125	5	144.5	189	330	44.5	60	8 x 28.5	266.7	11	25.0
150	6	171.4	222	356	47.8	67	12 x 28.5	292.1	13	30.0
200	8	222.2	273	419	55.6	76	12 x 31.8	349.2	13	43.0
250	10	277.4	343	508	63.5	111	16 x 35.0	431.8	13	89.0
300	12	328.2	400	559	66.5	117	20 x 35.0	489.0	13	109.0
350	14	360.2	432	603	69.9	127	20 x 38,1	527.0	13	132.0
400	16	411.2	495	686	76.2	140	20 x 41,1	603.2	13	182.0
450	18	462.3	546	743	82.6	152	20 x 44,5	654.0	13	213.0
500	20	514.4	610	813	88.9	165	24 x 44,5	723.9	13	274.0
600	24	616.0	718	940	101.6	184	24 x 50,8	838.2	13	393.0

ISO PN 100 - Série 600 lbs - ASME B 16.5
Acier carbone
Variantes : inox 304 L, 316 L, ...

ISO PN 100 - Class 600 lbs - ASME B 16.5
Carbon steel construction
Alternates : AISI 304 L, 316 L



BRIDES TARAUEES / BRIDES A EMBOITER - ASME B 16.5

THREADED FLANGES / HUBBED SOCKET WELDING FLANGES - ASME B 16.5



Construction suivant ASME B 16.5

Matériau : acier carbone

Variantes : inox 304 L, 316 L, ...

Execution according to ASME B 16.5

Carbon steel construction

Alternates : AISI 304 L, 316 L, ...

BRIDES TARAUEES OU A EMBOITER ISO PN 20 RF

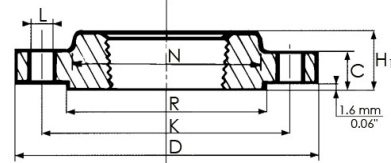
THREADED OR SW FLANGES CLASS 150 # RF

10150 T - 10150 SW

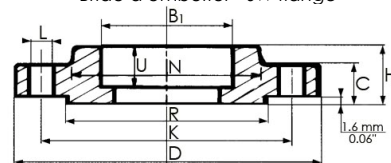
DN	Ø N	Ø ext. D	Ep. C	H ₁	Perçage		Ø R	SW		Poids (kg)
					n x L	Ø K		B ₁	U	
15	1/2	30	89	11.2	4 x 15.8	60.3	34.9	22.4	10	0.8
20	3/4	38	99	12.7	4 x 15.8	69.8	42.9	27.7	11	0.9
25	1	49	108	14.3	4 x 15.8	79.4	50.8	34.5	13	1.0
32	1-1/4	59	117	15.7	4 x 15.8	88.9	63.5	43.2	14	1.3
40	1-1/2	65	127	17.5	4 x 15.8	98.4	73.0	49.5	16	1.5
50	2	78	152	19.1	4 x 19.0	120.6	92.1	62.0	17	2.3
65	2-1/2	90	178	22.3	4 x 19.0	139.7	104.8	74.7	19	3.7
80	3	108	190	23.9	4 x 19.0	152.4	127.0	90.7	21	4.2
100	4	135	229	23.9	8 x 19.0	190.5	157.2	-	-	5.9
125	5	164	254	23.9	8 x 22.2	215.9	185.7	-	-	7.0
150	6	192	279	25.4	8 x 22.2	241.3	215.9	-	-	8.5
200	8	246	343	28.5	8 x 22.2	298.4	269.9	-	-	13.5

ISO PN 20 - Série 150 lbs

Bride taraudée - Threaded flange



Bride à emboîter - SW flange



BRIDES TARAUEES OU A EMBOITER ISO PN 50 RF

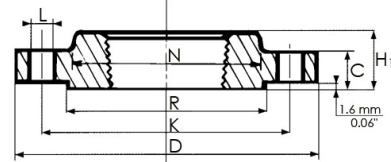
THREADED OR SW FLANGES CLASS 300 # RF

10300 T - 10300 SW

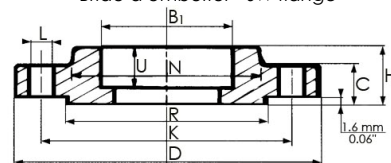
DN	Ø N	Ø ext. D	Ep. C	H ₁	Perçage		Ø R	SW		Poids (kg)
					n x L	Ø K		B ₁	U	
15	1/2	38	95	14.2	4 x 15.8	66.7	34.9	22.4	10	1.2
20	3/4	48	117	15.7	4 x 19.0	82.6	42.9	27.7	11	1.3
25	1	54	124	17.5	4 x 19.0	88.9	50.8	34.5	13	1.4
32	1-1/4	63	133	19.0	4 x 19.0	98.4	63.5	43.2	14	1.9
40	1-1/2	70	156	20.6	4 x 22.2	114.3	73.0	49.5	16	2.8
50	2	84	165	22.4	8 x 19.0	127.0	92.1	62.0	17	3.3
65	2-1/2	100	190	25.4	8 x 22.2	149.2	104.8	74.7	19	4.6
80	3	117	210	28.4	8 x 22.2	168.3	127.0	90.7	21	6.3
100	4	146	254	31.8	8 x 22.2	200.0	157.2	-	-	10.2
125	5	178	279	35.0	8 x 22.2	235.0	185.7	-	-	12.9
150	6	206	318	36.6	12 x 22.2	269.9	215.9	-	-	18.0
200	8	260	381	41.1	12 x 25.4	330.2	269.9	-	-	26.0

ISO PN 50 - Série 300 lbs

Bride taraudée - Threaded flange



Bride à emboîter - SW flange



BRIDES TARAUEES OU A EMBOITER ISO PN 100 RF

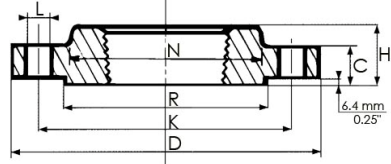
THREADED OR SW FLANGES CLASS 600 # RF

10600 T - 10600 SW

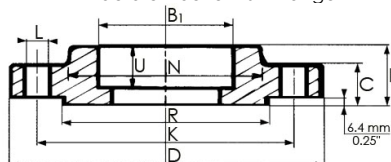
DN	Ø N	Ø ext. D	Ep. C	H ₁	Perçage		Ø R	SW		Poids (kg)
					n x L	Ø K		B ₁	U	
15	1/2	38	95	14.2	4 x 15.8	66.7	34.9	22.4	10	1.4
20	3/4	48	117	15.7	4 x 19.0	82.6	42.9	27.7	11	1.6
25	1	54	124	17.5	4 x 19.0	88.9	50.8	34.5	13	2.1
32	1-1/4	64	133	20.6	4 x 19.0	98.4	63.5	43.2	14	2.6
40	1-1/2	70	156	22.4	4 x 22.2	114.3	73.0	49.5	16	3.3
50	2	84	165	25.4	8 x 19.0	127.0	92.1	62.0	17	4.4
65	2-1/2	100	190	28.4	8 x 22.2	149.2	104.8	74.7	19	6.0
80	3	118	210	31.8	8 x 22.2	168.3	127.0	90.7	21	7.4
100	4	152	273	38.1	8 x 25.4	215.9	157.2	-	-	17.0
125	5	189	330	44.5	8 x 28.5	266.7	185.7	-	-	27.0
150	6	222	356	47.8	12 x 28.5	292.1	215.9	-	-	32.0
200	8	273	419	55.6	12 x 31.8	349.2	269.9	-	-	46.0

ISO PN 100 - Série 600 lbs

Bride taraudée - Threaded flange



Bride à emboîter - SW flange

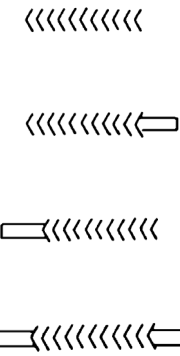


PRINCIPALES FORMES DE JOINTS POUR ASSEMBLAGE A BRIDES MAIN GASKETS DESIGNS

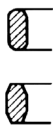
JOINTS PLATS NON METALLIQUES - NON METALLIC FLAT GASKETS

Schéma 	Jointts plats non métalliques (joints tendres) : • Caoutchouc • Plastomère • Fibre comprimée • Fibre végétale avec caoutchouc ou liant • Graphite Note : lorsque l'armature comporte du métal, les joints correspondants appartiennent au modèle joint plat non métallique.	Non metallic flat gaskets (soft gaskets) : • Rubber • Polymer with plastic properties • Compressed fiber • Vegetal fiber with rubber • Graphite Note : when the armature includes metal, the gaskets belong to the model of non metallic flat gaskets.
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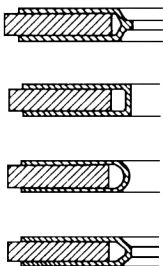
JOINTS SPIRALES - SPIRAL WOUND GASKETS

Schémas 	Métal enroulé en spirale avec garniture fibres, PTFE ou similaire, graphite Joint spiralé sans anneau : uniquement composé de l'enroulement en spirale Joint spiralé avec anneau intérieur : composé de l'enroulement en spirale et d'un anneau de renfort Joint spiralé avec anneau extérieur : composé de l'enroulement en spirale et d'un anneau de centrage Joint spiralé avec anneaux int. et ext. : composé de l'enroulement en spirale, d'un anneau de centrage et d'un anneau de renfort	Metal plies wound with compressed fibers, PTFE or similar, graphite Spiral wound gasket without ring : only composed of a spiral winding Spiral wound gasket with inner ring : composed of a spiral winding and an inner reinforcement ring Spiral wound gasket with outer ring : composed of a spiral winding and an outer centering ring Spiral wound gasket with inner and outer rings : composed of a spiral winding, a centering ring and a reinforcement ring
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JOINTS ANNULAIRES METALLIQUES - SOLID METAL RING-JOINT GASKETS

Schémas 	Les joints annulaires sont constitués d'un anneau métallique usiné. Ils sont destinés aux applications à hautes températures et hautes pressions. Les joints annulaires métalliques sont de 2 types : • Joint annulaire de section ovale • Joint annulaire de section octogonale	Ring-joint gaskets are made of machined metal ring. They are designed for high temperatures and high pressures applications. There are 2 types of solid metallic ring-joint gaskets : • Oval ring-joint gasket • Octogonal ring-joint gasket
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JOINTS A ENVELOPPE ou A JAQUETTE - ENVELOPE GASKETS

Schémas 	Un joint jaquette est constitué de : - Une âme en fibres comprimées ou autres matériaux pour des applications particulières ; - Une enveloppe (jaquette) en PTFE ou autres matériaux (le choix de la constitution est lié à l'application). On distingue 4 types d'enveloppes : • Enveloppe à ailettes • Enveloppe carrée • Enveloppe arrondie • Enveloppe en V	Envelope gasket are composed of : - A compressed fiber ring-joint or other materials for specific applications ; - A PTFE jacket or other materials (the choice of the composition depends on the application). There are 4 types of envelopes : • Y type envelope • Square type envelope • U type envelope • V type envelope
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JOINTS PLATS NON METALLIQUES POUR ASSEMBLAGE A BRIDES NON METALLIC FLAT GASKETS

JOINT PTFE - PTFE GASKET

15010



Joint PTFE de couleur blanche ; il convient parfaitement pour toute application alimentaire (conformité FDA).

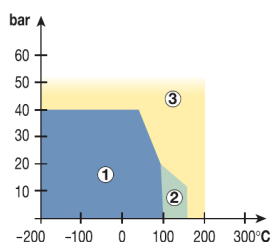
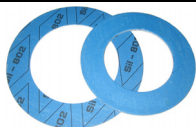
- **Épaisseur** : 2 mm en standard
(autres épaisseurs sur demande : 0.5 ; 1 ; 1.5 ; 3 mm)
- **Dimensions** des brides selon NF EN 1092-1
(brides à face de joint plate ou surélevée)
- **Température** : -200°C + 250°C

PTFE gasket, white colour ; ideal for all food applications (FDA compliance).

- **Thickness** : 2 mm [standard]
(on request other thickness : 0.5 ; 1 ; 1.5 ; 3 mm)
- **Flange dimensions** according to NF EN 1092-1
(flat face and raised face flanges)
- **Temperature** : -200°C + 250°C

JOINT PLAT POUR BRIDES ISO - FLAT GASKET FOR ISO FLANGES

15501



Applications : usage général (gaz, azote, eau, chauffage sanitaire, climatisation, hydrocarbures)

Composition : fibres organiques et liant NBR

Épaisseur : 1.5 mm
(autres épaisseurs sur demande : 1 ; 2 ; 3 mm)

Dimensions des brides selon NF EN 1092-1

Conditions de service :

- ZONE 1 - COMPATIBLE : contrôle technique facultatif
- ZONE 2 - COMPATIBLE SOUS RÉSERVE : contrôle technique recommandé
- ZONE 3 - NON COMPATIBLE SANS CONTRÔLE : contrôle technique indispensable (nous consulter)

Applications : general purpose (gas, nitrogen, water, sanitary heating, air conditioning, hydrocarbons)

Composition : organic fibers and NBR binder

Thickness : 1.5 mm
(on request other thickness : 1 ; 2 ; 3 mm)

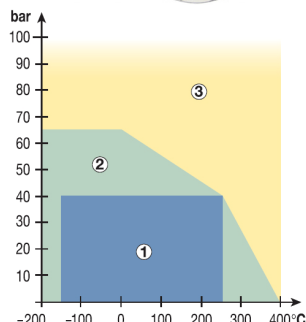
Flange dimensions according to NF EN 1092-1

Working conditions :

- ZONE 1 - USUALLY SATISFACTORY without reference
- ZONE 2 - USUALLY SATISFACTORY, BUT suggest you refer to us for advice
- ZONE 3 - CAUTION : may be suitable but essential that you refer to us for advice

JOINTS PLATS POUR BRIDES ANSI - FLAT GASKET FOR ANSI FLANGES

15520 - 15550



Applications : hydrocarbures, eau, huiles, gaz, vapeurs, acides et bases faibles

Composition : fibres de verre renforcées de fibres d'aramide et liant NBR

Épaisseur : 1.5 mm
(autres épaisseurs sur dde : 0.3 ; 0.5 ; 0.8 ; 1 ; 2 ; 3 mm)

Pour brides classe 150 : réf. **15520**
Pour brides classe 300 : réf. **15550**

Conditions de service :

- ZONE 1 - COMPATIBLE : contrôle technique facultatif
- ZONE 2 - COMPATIBLE SOUS RÉSERVE : contrôle technique recommandé
- ZONE 3 - NON COMPATIBLE SANS CONTRÔLE : contrôle technique indispensable (nous consulter)

Applications : hydrocarbons, water, oils, gas, steam, weak acids and bases

Composition : optimised combination of synthetic fibers and glass-fiber bound with NBR

Thickness : 1.5 mm
(on request other thickness : 0.3 ; 0.5 ; 0.8 ; 1 ; 2 ; 3 mm)

For flanges class 150 : ref. **15520**
For flanges class 300 : ref. **15550**

Working conditions :

- ZONE 1 - USUALLY SATISFACTORY without reference
- ZONE 2 - USUALLY SATISFACTORY, BUT suggest you refer to us for advice
- ZONE 3 - CAUTION : may be suitable but essential that you refer to us for advice

JOINT JAQUETTE PTFE - PTFE JACKETED GASKET

16010



Composition : joint âme fibres de verre renforcées de fibres d'aramide et liant NBR ; avec enveloppe en PTFE usinée à dos rond

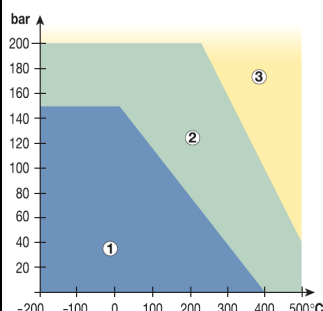
Sur demande : âme de type graphite + inox

Composition : optimised combination of synthetic fibers and glass-fiber bound with NBR ; with PTFE envelope

On request : graphite + stainless steel ring joint

JOINT GRAPHITE RENFORCE INOX 316 L - GRAPHITE GASKET, AISI 316 L REINFORCED

16500



Applications sévères, hautes températures jusqu'à 500/550°C, vapeur, conditions chimiques difficiles, fluides caloporteurs

Joint de couleur grise / noire

Composition : graphite (98%) traité anti-adhérent armé tôle à picots inox 316 L

Épaisseur : 2 mm
(autres épaisseurs sur demande : 1 ; 1.5 ; 3 mm)

Dimensions des brides selon NF EN 1092-1

Variantes :

Pour brides avec emboîtement simple : réf. **16500 SE**
Pour brides avec emboîtement double : réf. **16500 DE**

Conditions de service :

- ZONE 1 - COMPATIBLE : contrôle technique facultatif
- ZONE 2 - COMPATIBLE SOUS RÉSERVE : contrôle technique recommandé
- ZONE 3 - NON COMPATIBLE SANS CONTRÔLE : contrôle technique indispensable (nous consulter)

Severe applications, high temperatures up to 500/550°C, steam, chemical difficult conditions, heat transfer fluids

Grey / black colour gasket

Composition : pure exfoliated graphite with a tanged 316 L sheet reinforcement

Thickness : 2 mm
(other thickness on request : 1 ; 1.5 ; 3 mm)

Flange dimensions according to NF EN 1092-1

Alternates :

For flanges with male / female face : ref. **16500 SE**
For flanges with tongue / groove face : ref. **16500 DE**

Working conditions :

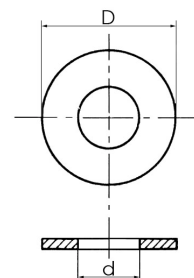
- ZONE 1 - USUALLY SATISFACTORY without reference
- ZONE 2 - USUALLY SATISFACTORY, BUT suggest you refer to us for advice
- ZONE 3 - CAUTION : may be suitable but essential that you refer to us for advice

DIMENSIONS DES JOINTS PLATS NON METALLIQUES POUR ASSEMBLAGE A BRIDES

NON METALLIC FLAT GASKETS DIMENSIONS

POUR BRIDES A FACE DE JOINT PLATE OU SURELEVEE - FOR FLAT FACE OR RAISED FACE FLANGES

DN	d (mm)	D (mm) pour ISO PN								
		2.5	6	10	16	20	25	40	50	100
10	23	39	Utiliser les joints pour brides ISO PN 40 Use gaskets for ISO PN 40 flanges			-	Utiliser les joints pour brides ISO PN 40 Use gaskets for ISO PN 40 flanges	46	Utiliser les joints pour brides ISO PN 100 Use gaskets for ISO PN 100 flanges	-
15	27	44				46.5		51		52.5
20	33	54				56.0		61		64.5
25	40	64				65.5		71		71.0
32	48	76				75.0		82		80.5
40	54	86				84.5		92		94.5
50	66	96				102.5		107		109.0
65	82	116				121.5		127		129.0
80	95	132				134.5		142		148.5
100	120	152	162			172.5	284	168	180.0	192.0
125	148	182	192			196.0		194	215.0	240.0
150	176	207	218			221.5		224	250.0	265.0
200	229	262	273			278.5		290	306.0	319.0
250	283	317	328	329	338.0	340	352	360.5	399.0	
300	332	373	378	384	408.0	400	417	421.0	456.0	
350	371	423	438	444	449.0	457	474	484.5	491.0	
400	423	473	489	495	513.0	514	546	538.5	564.0	
450	466	528	539	555	548.0	564	571	595.5	612.0	
500	517	578	594	617	605.0	624	628	653.0	682.0	
600	619	679	695	734	716.5	731	747	774.0	790.0	

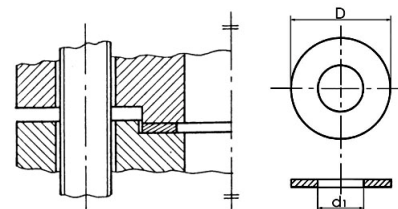


Joint de type "I"
pour brides à face plate ou surélevée

"I" type gasket
for flat face or raised face flanges

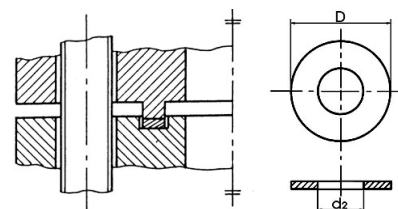
POUR BRIDES A EMBOITEMENT - FOR MALE/FEMALE & TONGUE/GROOVE FACINGS

DN	Type ES ^(a)	Type ED ^(b)		D (mm) pour ISO PN			
	d ₁ (mm)	d ₂ (mm)		10 - 16 - 25 - 40 Type ES & ED	50 - 100 Type ESL & EDL	20 Type ES 50 - 100 Type ESE	20 Type ED 50 - 100 Type EDE
10	18	24	-	34	-	-	-
15	22	29	25.5	39	35.0	18.5	35.0
20	27	36	33.5	50	43.0	24.0	43.0
25	34	43	38.0	57	51.0	30.5	47.5
32	43	51	47.5	65	63.5	38.0	57.5
40	49	61	54.0	75	73.0	44.5	63.5
50	61	73	73.0	87	92.0	57.5	82.5
65	77	95	85.5	109	105.0	68.5	95.5
80	89	106	108.0	120	127.0	84.0	117.5
100	115	129	132.0	149	157.0	109.5	144.5
125	141	155	160.5	175	186.0	136.5	173.0
150	169	183	190.5	203	216.0	162.0	203.5
200	220	239	238.0	259	270.0	213.0	254.0
250	273	292	286.0	312	324.0	267.0	305.0
300	324	343	343.0	363	381.0	317.5	362.0
350	356	395	374.5	421	413.0	349.5	394.0
400	407	447	425.5	473	470.0	400.0	448.0
450	458	497	489.0	523	533.0	451.0	511.5
500	508	549	533.5	575	584.0	501.5	559.0
600	610	649	641.5	675	692.0	603.5	667.0



Joint de type "ES"
pour brides à emboîtement simple
"ES" type gasket
for male/female face flanges

- Type "ESE" : emboîtement simple étroit
"ESE" type : small male/female face
- Type "ESL" : emboîtement simple large
"ESL" type : large male/female face



Joint de type "ED"
pour brides à emboîtement double
"ED" type gasket
for tongue/groove face flanges

- Type "EDE" : emboîtement double étroit
"EDE" type : small tongue/groove face
- Type "EDL" : emboîtement double large
"EDL" type : large tongue/groove face

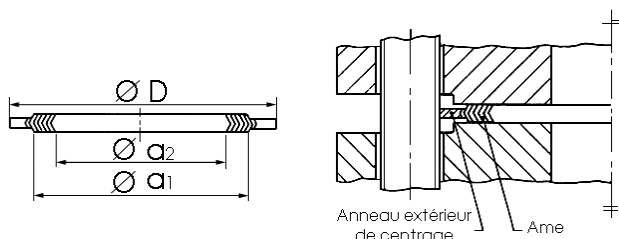
^(a) Les valeurs de "d₁" ne concernent pas les joints pour brides ISO PN 20, ISO PN 50 et ISO PN 100 à emboîtement simple étroit. Pour ces joints, le client doit préciser à la commande le diamètre qui est fonction du diamètre intérieur du tube.

^(b) Pour les valeurs de "d₂", prendre celles de la colonne de gauche pour ISO PN 10, ISO PN 16, ISO PN 25 et ISO PN 40 et celles de la colonne de droite pour ISO PN 50 et ISO PN 100.

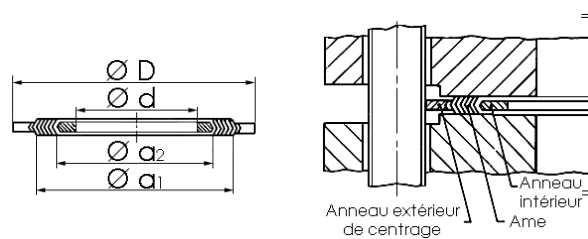
DIMENSIONS DES JOINTS SPIRALES

SPIRAL WOUND GASKETS DIMENSIONS

Joint de type "I" avec anneau extérieur de centrage
"I" type gasket with outer centering ring



Joint de type "IA" avec anneau extérieur de centrage et anneau intérieur
"IA" type gasket with outer centering ring and inner reinforcement ring



JOINTS POUR BRIDES À FACE DE JOINT PLATE ou SURELEVÉE SELON NFE 29-900-3

GASKETS FOR FLAT FACE OR RAISED FACE FLANGES ACC. TO NFE 29-900-3

DN		D (mm)							a ₁ max (mm)		a ₂ (mm)	d (mm)
		PN 10	PN 16	PN 25	PN 40	PN 63	PN 100	PN 160	PN 10 à PN 40	PN 63 à PN 160		
10	1/4	46	46	46	46	56	56	56	36	36	24	18
15	1/2	51	51	51	51	61	61	61	40	40	28	22
20	3/4	61	61	61	61	74	74	74	47	47	33	27
25	1	71	71	71	71	82	82	82	54	54	40	34
32	1-1/4	82	82	82	82	90	90	90	65	65	49	43
40	1-1/2	92	92	92	92	102	102	102	70	70	54	48
50	2	107	107	107	107	112	118	118	84	84	66	57
65	2-1/2	127	127	127	127	137	143	143	102	104	82	73
80	3	142	142	142	142	147	153	153	115	119	95	86
100	4	162	162	162	162	173	180	180	140	144	120	108
125	5	192	192	193	193	210	217	217	168	172	146	134
150	6	217	217	223	223	247	257	257	196	200	174	162
200	8	272	272	283	290	309	324	324	251	257	225	213
250	10	327	328	340	352	364	391	388	307	315	286	226
300	12	377	383	400	417	424	458	458	358	366	337	318
350	14	437	443	457	474	486	512	-	405	413	375	363
400	16	488	495	514	546	543	572	-	458	466	426	414
450	18	541	558	567	574	-	-	-	512	-	477	457
500	20	593	617	624	628	657	704	-	566	574	530	518
600	24	695	734	731	747	764	813	-	666	674	630	618

JOINTS POUR BRIDES RF SELON ASME B 16.20 - GASKETS FOR RF FLANGES ACC. TO ASME B 16.20

Composition : feuillard (spirale) et anneau intérieur : 316 L ou 321
anneau extérieur : acier au carbone zingué bichromaté
intercalaire : PTFE, graphite expansé ou graphite PTFE

Materials : plies and inner reinforcement ring : 316 L or 321
outer centering ring : galvanized bichromated carbon steel
filler : PTFE, expanded graphite or PTFE graphite

DN		D (mm) pour classes					a ₁ (mm) pour classes		a ₂ (mm) pour classes				d (mm) pour classes			
		150	300	600	900	1500	150 à 600	900 / 1500	150 / 300	600	900	1500	150 / 300	600	900	1500
15	1/2	46.5	52.5	52.5	62.5	62.5	31.8	31.8	19.1	19.1	19.1	19.1	14.2	14.2	14.2	14.2
20	3/4	56.0	66.5	66.5	69.0	69.0	39.6	39.6	25.4	25.4	25.4	25.4	20.6	20.6	20.6	20.6
25	1	65.5	73.0	73.0	77.5	77.5	47.8	47.8	31.8	31.8	31.8	31.8	26.9	26.9	26.9	26.9
32	1-1/4	75.0	82.5	82.5	87.0	87.0	60.5	60.5	47.8	47.8	39.6	39.6	38.1	38.1	33.3	33.3
40	1-1/2	84.5	94.5	94.5	97.0	97.0	69.9	69.9	54.1	54.1	47.8	47.8	44.5	44.5	41.4	41.4
50	2	104.5	111.0	111.0	141.0	141.0	85.9	85.9	69.9	69.9	58.7	58.7	55.6	55.6	52.3	52.3
65	2-1/2	123.5	129.0	129.0	163.5	163.5	98.6	98.6	82.6	82.6	69.9	69.9	66.5	66.5	63.5	63.5
80	3	136.5	148.5	148.5	166.5	173.0	120.7	120.7	101.6	101.6	95.3	92.2	81.0	81.0	78.7	78.7
100	4	174.5	180.0	192.0	205.0	209.5	149.4	149.4	127.0	120.7	120.7	117.6	104.6	104.6	102.6	97.8
125	5	196.0	215.0	240.0	246.0	253.0	177.8	177.8	155.7	147.6	147.6	143.0	131.8	128.3	128.3	124.5
150	6	221.5	250.0	265.0	287.5	281.5	209.6	209.6	182.6	174.8	174.8	171.5	157.2	154.9	154.9	147.3
200	8	278.5	306.0	319.0	357.5	351.5	263.7	257.3	233.4	225.6	222.3	215.9	215.9	205.7	196.9	196.9
250	10	338.0	360.5	399.0	434.0	434.5	317.5	311.2	287.3	274.6	276.4	266.7	268.2	255.3	246.1	246.1
300	12	408.0	421.0	456.0	497.5	519.5	374.7	368.3	339.9	327.2	323.9	323.9	317.5	307.3	292.1	292.1
350	14	449.0	484.5	491.0	520.0	579.0	406.4	400.1	371.6	362.0	355.6	362.0	349.3	342.9	320.8	320.8
400	16	513.0	538.5	564.0	574.0	641.0	463.6	457.2	422.4	412.8	412.8	406.4	400.1	389.9	374.7	368.3
450	18	548.0	595.5	612.0	638.0	702.5	527.1	520.7	474.7	469.9	463.6	463.6	449.3	438.2	425.5	425.5
500	20	605.0	653.0	682.0	697.5	756.0	577.9	571.5	525.5	520.7	520.7	514.4	500.1	489.0	482.6	476.3
600	24	716.5	774.0	790.0	837.5	900.5	685.8	679.5	628.7	628.7	628.7	616.0	603.3	590.6	590.6	577.9

DIMENSIONS DES JOINTS ANNULAIRES TYPE "R"

"R" TYPE RING JOINTS DIMENSIONS

Jointes annulaires type "R" pour brides RTJ selon ASME B 16.20

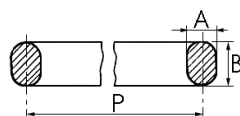
"R" type ring joints for RTJ flanges according to ASME B 16.20

Matériau :

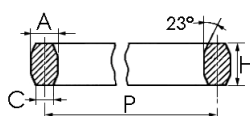
- Acier doux
- Acier allié type F5
- Inox type 304 ou 316
- Super alliages type Alloy 600, 625, Hastelloy C276...

Material :

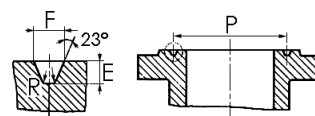
- Soft iron
- Alloy steel type F 5
- Stainless steel type 304, 316
- Exotic alloys type Alloy 600, 625, Hastelloy C276...



Joint ovale - Oval ring



Joint octogonal - Octogonal ring



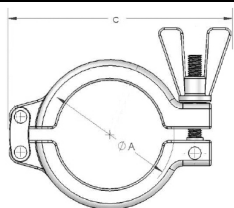
DN (pouces)			N° joint Number	Dimensions du JOINT - Ring dimensions				Dimensions de la GORGE - Groove dimensions			
150 lbs	300 / 600 lbs	900 lbs		A (mm)	B (mm)	H (mm)	C (mm)	P (mm)	E (mm)	F (mm)	R max.
	1/2		R 11	6.35	11.11	9.53	4.32	34.13	5.6	7.1	0.8
		1/2	R 12	7.94	14.29	12.70	5.23	39.69	6.4	8.7	0.8
	3/4		R 13	7.94	14.29	12.70	5.23	42.88	6.4	8.7	0.8
		3/4	R 14	7.94	14.29	12.70	5.23	44.45	6.4	8.7	0.8
1	1		R 15	7.94	14.29	12.70	5.23	47.63	6.4	8.7	0.8
			R 16	7.94	14.29	12.70	5.23	50.80	6.4	8.7	0.8
1-1/4	1-1/4		R 17	7.94	14.29	12.70	5.23	57.15	6.4	8.7	0.8
		1-1/4	R 18	7.94	14.29	12.70	5.23	60.33	6.4	8.7	0.8
1-1/2	1-1/2		R 19	7.94	14.29	12.70	5.23	65.09	6.4	8.7	0.8
			R 20	7.94	14.29	12.70	5.23	68.26	6.4	8.7	0.8
			R 21	11.11	17.46	15.88	7.75	72.24	7.9	11.9	0.8
2	2		R 22	7.94	14.29	12.70	5.23	82.55	6.4	8.7	0.8
			R 23	11.11	17.46	15.88	7.75	82.55	7.9	11.9	0.8
		2	R 24	11.11	17.46	15.88	7.75	95.25	7.9	11.9	0.8
2-1/2	2-1/2		R 25	7.94	14.29	12.70	5.23	101.60	6.4	8.7	0.8
			R 26	11.11	17.46	15.88	7.75	101.60	7.9	11.9	0.8
		2-1/2	R 27	11.11	17.46	15.88	7.75	107.95	7.9	11.9	0.8
			R 28	12.70	19.05	17.46	8.66	111.13	9.5	13.5	1.6
3			R 29	7.94	14.29	12.70	5.23	114.30	6.4	8.7	0.8
			R 30	11.11	17.46	15.88	7.75	117.48	7.9	11.9	0.8
		3	R 31	11.11	17.46	15.88	7.75	123.83	7.9	11.9	0.8
			R 32	12.70	19.05	17.46	8.66	127.00	9.5	13.5	1.6
3-1/2	3-1/2		R 33	7.94	14.29	12.70	5.23	131.78	6.4	8.7	0.8
			R 34	11.11	17.46	15.88	7.75	131.78	7.9	11.9	0.8
			R 35	11.11	17.46	15.88	7.75	136.53	7.9	11.9	0.8
4	4		R 36	7.94	14.29	12.70	5.23	149.23	6.4	8.7	0.8
			R 37	11.11	17.49	15.88	7.75	149.23	7.9	11.9	0.8
			R 38	15.88	22.23	20.64	10.49	157.16	11.1	16.7	1.6
			R 39	11.11	17.46	15.88	7.75	161.93	7.9	11.9	0.8
5	5	5	R 40	7.94	14.29	12.70	5.23	171.45	6.4	8.7	0.8
			R 41	11.11	17.46	15.88	7.75	180.98	7.9	11.9	0.8
			R 42	19.05	25.40	23.81	12.32	190.50	12.7	19.8	1.6
6			R 43	7.94	14.29	12.70	5.23	193.68	6.4	8.7	0.8
			R 44	11.11	17.46	15.88	7.75	193.68	7.9	11.9	0.8
	6	6	R 45	11.11	17.46	15.88	7.75	211.14	7.9	11.9	0.8
			R 46	12.70	19.05	17.46	8.66	211.14	9.5	13.5	1.6
			R 47	19.05	25.40	23.81	12.32	228.60	12.7	19.8	1.6
8			R 48	7.94	14.29	12.70	5.23	247.65	6.4	8.7	0.8
	8	8	R 49	11.11	17.46	15.88	7.75	269.88	7.9	11.9	0.8
			R 50	15.88	22.23	20.64	10.49	269.88	11.1	16.7	1.6
			R 51	22.23	28.58	26.99	14.81	279.40	14.3	23.0	1.6
10	10		R 52	7.94	14.29	12.70	5.23	304.80	6.4	8.7	0.8
			R 53	11.11	17.46	15.88	7.75	323.85	7.9	11.9	0.8
			R 54	15.88	22.23	20.64	10.49	323.85	11.1	16.7	1.6
			R 55	28.58	36.51	34.93	19.81	342.90	17.5	30.2	2.4
12	12	12	R 56	7.94	14.29	12.70	5.23	381.00	6.4	8.7	0.8
			R 57	11.11	17.46	15.88	7.75	381.00	7.9	11.9	0.8
			R 58	22.23	28.58	26.99	14.81	381.00	14.3	23.0	1.6
14			R 59	7.94	14.29	12.70	5.23	396.88	6.4	8.7	0.8
			R 60	31.75	36.69	38.10	22.33	406.40	17.5	33.3	2.4
	14		R 61	11.11	17.46	15.88	7.75	419.10	7.9	11.9	0.8
		14	R 62	15.88	22.23	20.64	10.49	419.10	11.1	16.7	1.6
			R 63	25.40	33.34	31.75	17.28	419.10	15.9	27.0	2.4
16			R 64	7.94	14.29	12.70	5.23	454.03	6.4	8.7	0.8
	16		R 65	11.11	17.46	15.88	7.75	469.90	7.9	11.9	0.8
		16	R 66	15.88	22.23	20.64	10.49	469.90	11.1	16.7	1.6
			R 67	28.58	36.51	34.93	19.81	469.90	17.5	30.2	2.4

RACCORDS CLAMP SERIE ISO

ISO CLAMP FITTINGS

COLLIERS CLAMP - CLAMP RINGS

13020 B



Applications : industrie chimique, pharmaceutique agro-alimentaire

- Double articulation : serrage rapide
- Finition polie

Construction : inox 316

Pression de service jusqu'à 50 bar (selon Ø) à 150°C

Use : food & dairy, pharmaceutical & chemical industries

- Double pin hinge plate : fast clamping union
- Highly polished finish

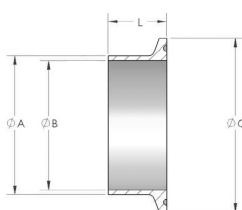
Construction : 316

Pressure ratings : up to 50 bar (acc. to DN) at 150°C

Type	Micro Clamp	Mini Clamp	Clamp									
Réf. 13020	.B025	.B034	.B050	.B064	.B077	.B091	.B106	.B119	.B130	.B155	.B183	.B233
DN	1/2" - 3/4"	10 / 15 / 20	1" - 1.5"	2"	2.5"	3"	3.5"	4"	4.5"	5.5"	6.5" / 8"	8.5" / 8"
Ø ext.	ISO 13.5 - 17.2	ISO 13.5 -> 21.3	ISO 21.3 -> 42.4 SMS 25 - 38	ISO 48.3 SMS 51	ISO 60.3 SMS 63.5	ISO 76.1 SMS 76	ISO 88.9	SMS 101.6 - 104	ISO 114.3	ISO 139.7	ISO 168.3	ISO 219.1
Ø A (mm)	25.4	34.0	50.5	64.0	77.5	91.0	106.0	119.0	130.0	155.0	183.0	233.0
C (mm)	75.0	85.0	102.0	123.0	140.0	150.0	165.0	185.0	191.0	252.0	280.0	333.0
Poids (kg)	0.15	0.17	0.25	0.33	0.38	0.44	0.44	0.57	0.60	1.39	1.61	2.25

FERRULES - FERRULES

13001 - 13002 - 13003



Applications : chimie, pharmacie, agro-alimentaire

- Conforme à la norme ISO 1127
- Aucune zone de rétention
- Etat de surface standard : $R_a \leq 0.8 \mu m$
Electro-polissage sur demande ($R_a \leq 0.38 \mu m$)

Construction : inox 316 L

Autres matériaux : inox spéciaux, Hastelloy®, titane...

Use : food & dairy, pharmaceuticals & chemicals

- Conformity to ISO 1127 standard
- No dead zone
- Surface finish : $R_a \leq 0.8 \mu m$
Electro-polishing on request ($R_a \leq 0.38 \mu m$)

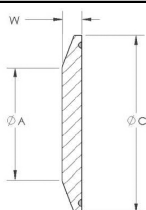
Construction : 316 L

Others : special s. steels, Hastelloy®, titanium...

Type	Micro Clamp		Mini Clamp			Clamp															(*) non standard	
Réf.	13001		13002			13003																
DN	8	10	8	10	15	15	20	25	32	32 (*)	40	50	65	80	100	125	150	200	250	300		
Ø A (mm)	13.5	17.2	13.5	17.2	21.3	21.3	26.9	33.7	42.4	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3	219.1	273.0	323.9		
Ø B (mm)	10.3	14.0	10.3	14.0	18.1	18.1	23.7	29.7	39.2	38.4	44.3	56.3	72.9	84.9	110.3	135.7	163.1	213.9	267.8	318.7		
Ø C (mm)	25.4		34.0			50.5					64.0	64.0	77.5	91.0	106.0	130.0	155.0	183.0	233.5	286.1	338.5	
L (mm)	21.5		18.0			21.5										28.0						
Poids (kg)	0.02		0.03			0.08	0.07		0.10	0.11	0.09	0.12	0.14	0.18	0.25	0.37	0.51	0.66	0.93	1.28		

BOUCHONS - BLANKS

13010



Applications : chimie, pharmacie, agro-alimentaire

- Conformité à la norme ISO 1127
- Aucune zone de rétention
- Etat de surface : $R_a \leq 0.8 \mu m$

Construction : inox 316 L

Autres matériaux : inox spéciaux, Hastelloy®, titane...

Use : food & dairy, pharmaceuticals & chemicals

- Conformity to ISO 1127 standard
- No dead zone
- Surface finish : $R_a \leq 0.8 \mu m$

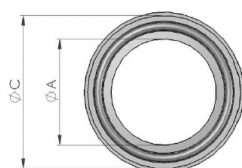
Construction : 316 L

Others : special s. steels, Hastelloy®, titanium...

Type	Micro Clamp		Mini Clamp			Clamp													(*) non standard		
Réf. 13010	.B025		.B034			.B050			.B064	.B077	.B091	.B106	.B130	.B155	.B183	.B233	.B286	.B338			
DN	08	10	08	10	15	15	20	25	32	32 (*)	40	50	65	80	100	125	150	200	250	300	
Ø A (mm)	12.5		15.5			24.5			39.0	530.5	66.5	81.0	95.0	130	158	206	261	329			
Ø C (mm)	25.4		34.0			50.5			64.0	77.5	91.0	106.0	130.0	155.0	183.0	233.5	286.1	338.5			
W (mm)	5.6		6.0						7.0				9.0			10.0					
Poids (kg)	0.02		0.03			0.08			0.14	0.21	0.30	0.42	0.65	1.31	1.94	3.24	4.92	8.70			

JOINTS - GASKETS

13101 / 102 / 103 - 13111 / 112 / 113



• Joints clamp EPDM

Couleur noire

Echelle de température : -50°C +150°C

• Joints clamp FKM/PTFE

Enveloppe PTFE - Ame FKM [= Viton®]

Echelle de température : -25°C +250°C

Autres matériaux : silicone, FKM, PTFE, PEEK™, TFM

• EPDM gasket

Black color

Temperature range : -50°C +150°C

• FKM/PTFE gasket

PTFE envelope - FKM [= Viton®] filler

Temperature range : -25°C +250°C

Other materials : silicone, FKM, PTFE, PEEK™, TFM

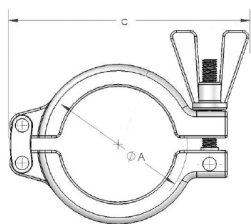
Type	Micro Clamp		Mini Clamp			Clamp													(*) non standard		
EPDM	Réf. 13101		Réf. 13102			Réf. 13103															
PTFE / FKM	Réf. 13111		Réf. 13112			Réf. 13113															
DN	8	10	8	10	15	15	20	25	32	32 (*)	40	50	65	80	100	125	150	200	250	300	
Ø A (mm)	10.3	14.0	10.3	14.0	18.1	18.1	22.9	29.7	38.4	38.4	44.3	56.3	72.1	84.9	110.3	135.7	163.1	213.9	267.8	318.7	
Ø C (mm)	22.0		34.0			50.5			64.0			77.5	91.0	106	130	155	183	233.5	286.1	338.5	

RACCORDS CLAMP SERIES SMS & BSOD

SMS & BSOD CLAMP FITTINGS

COLLIERS CLAMP - CLAMP RINGS

13025



Applications : chimie, pharmacie, agro-alimentaire

Use : food & dairy, pharmaceuticals & chemicals

- Double articulation : serrage rapide
- Finition polie

- Double pin hinge plate : fast clamping union
- Highly polished finish

Construction : inox 316 (inox 304 sur demande)

Construction : 316 (304 on request)

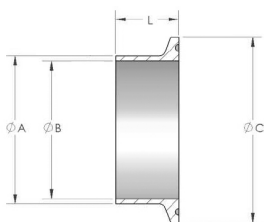
Pression de service jusqu'à 50 bar (selon Ø) à 150°C

Pressure ratings : up to 50 bar (acc. to DN) at 150°C

DN	1/4" - 3/4"	1" - 1-1/2"	2"	2-1/2"	3"	4"
Ø A (mm)	25.4	50.5	64.0	77.5	91.0	119.0
C (mm)	75.0	102.0	123.0	140.0	150.0	185.0
Poids (kg)	0.15	0.25	0.33	0.38	0.44	0.57

FERRULES - FERRULES

13005 - 13006



Applications : chimie, pharmacie, agro-alimentaire
Dimensions de base : SMS 3008 et BSOD (Impérial)

Use : food & dairy, pharmaceuticals & chemicals
Dimensions acc. to SMS 3008 and Imperial (BSOD)

- Aucune zone de rétention
- Etat de surface : Ra ≤ 0.8 µm
Electro-polissage sur demande (Ra ≤ 0.38 µm)

- No dead zone
- Surface finish : Ra ≤ 0.8 µm
Electro-polishing on request (Ra ≤ 0.38 µm)

Construction : inox 316 L

Autres matériaux : inox spéciaux, Hastelloy®, titane...

Construction : 316 L

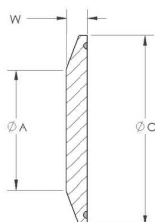
Others : special s. steels, Hastelloy®, titanium...

Réf	13005 [SMS]							13006 [BSOD]									
DN	1"	1-1/2"	2"	2-1/2"	3"	4"	4" *	1/4"	3/8"	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"
Ø A (mm)	25.0	38.0	51.0	63.5	76.1	101.6	104.0	6.35	9.52	12.70	19.05	25.4	38.1	50.8	63.5	76.2	101.6
Ø B (mm)	22.6	35.6	48.6	60.3	72.9	97.6	100.0	4.57	7.74	9.40	15.75	22.1	34.8	47.5	60.2	72.9	97.38
épaisseur	1.20	1.20	1.20	1.60	1.60	2.0	2.0	0.89	0.89	1.65	1.65	1.65	1.65	1.65	1.65	1.65	2.11
Ø C (mm)	50.5	50.5	64.0	77.5	91.0	119.0	119.0	25.4	25.4	25.4	25.4	50.5	50.5	64.0	77.5	91.0	119.0
L (mm)	21.5	21.5	21.5	21.5	21.5	21.5	28.0 *	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
Poids (kg)	0.07	0.05	0.06	0.10	0.12	0.21	0.22 *	0.02	0.02	0.02	0.02	0.08	0.08	0.14	0.21	0.28	0.42

* selon DIN 32676, plus couramment utilisé dans les pays européens

BOUCHONS - BLANKS

13015



Applications : chimie, pharmacie, agro-alimentaire

Use : food & dairy, pharmaceuticals & chemicals

- Aucune zone de rétention
- Etat de surface : Ra ≤ 0.8 µm

- No dead zone
- Surface finish : Ra ≤ 0.8 µm

Construction : inox 316 L

Autres matériaux : inox spéciaux, Hastelloy®, titane...

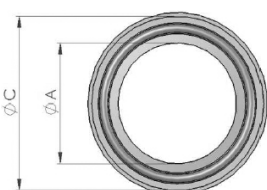
Construction : 316 L

Others : special s. steels, Hastelloy®, titanium...

DN	1/4" - 3/4"	1" - 1-1/2"	2"	2-1/2"	3"	4"
Ø C (mm)	25.4	50.5	64.0	77.5	91.0	119.0
Ø A (mm)	12.5	24.5	39.0	53.5	66.5	82.0
W (mm)	5.6	7.0	7.0	7.0	7.0	9.0
Poids (kg)	0.02	0.08	0.14	0.21	0.30	0.65

JOINTS - GASKETS

13105 - 13116



- Joints clamp **EPDM**
Couleur noire
Echelle de température : -50°C +150°C

- EPDM gasket
Black color
Temperature range : -50°C +150°C

- Joints clamp **FKM/PTFE**
Enveloppe PTFE blanche - âme FKM [=Viton®]
Echelle de température : -25°C +250°C

- FKM/PTFE gasket
PTFE envelope - FKM [=Viton®] filler
Temperature range : -25°C +250°C

Autres matériaux : silicone, FKM, PTFE, PEEK™, TFM

Other materials : silicone, FKM, PTFE, PEEK™, TFM

EPDM	Réf. 13105 [SMS]							Réf. 13106 [BSOD]									
PTFE/FKM	Réf. 13115 [SMS]							Réf. 13116 [BSOD]									
DN	1"	1-1/2"	2"	2-1/2"	3"	4" [101.6]	4" [104]	1/4"	3/8"	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"
Ø A (mm)	22.6	35.6	48.6	60.3	72.1	97.6	100.0	4.57	7.71	9.52	15.87	22.2	34.9	47.6	60.3	73.0	97.6
Ø C (mm)	50.5	50.5	64.0	77.5	91.0	119.0	119.0	22.0*	22.0*	22.0*	22.0*	50.5	50.5	64.0	77.5	91.0	119.0

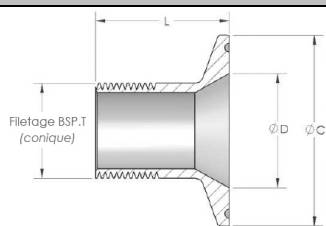
* Ø ext de la bride de ferrule = 25.4 mm / Ferrule flange size = 25.4 mm

ADAPTATEURS, COLLIERS SPECIAUX, REDUCTIONS

ADAPTORS, SPECIAL CLAMPS, REDUCERS

ADAPTATEURS CLAMP MALES - MALE CLAMP ADAPTORS

13031 - 13032 - 13033



- Raccordement selon profil BSP.T (gaz) (NPT sur demande)
- Construction inox 316 L (usiné dans la barre)
- Rugosité $Ra \leq 0.8 \mu m$

- Connection according to BSP.T thread (NPT on request)
- Manufactured from 316 L bar stock
- Surface finish $\leq 0.8 \mu m$

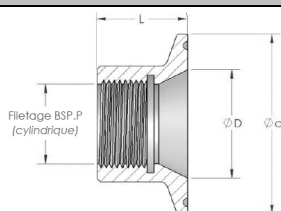
* Ø intérieur contre-ferrule

* Inside Ø mating

TYPE	MICRO CLAMP 13031		MINI CLAMP 13032		CLAMP 13033						
Référence	1/4" G	1/2" G	1/4" G	1/2" G	1/4" G	3/8" G	1/2" G	3/4" G	1/2" G	3/4" G	1" G
Filetage BSP.T											
Ø C (mm)	25.4	25.4	34.0	34.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5
Ø D * (mm)	10.0	16.0	10.0	16.0	22.0	22.0	22.0	22.0	35.0	35.0	35.0
L (mm)	30	32	30	30	30	30	35	35	35	35	35
Poids (kg)	0.03	0.03	0.05	0.07	0.09	0.10	0.10	0.11	0.09	0.10	0.12

ADAPTATEURS CLAMP FEMELLES - FEMALE CLAMP ADAPTORS

13043



- Raccordement selon profil BSP.P (gaz) (NPT sur demande)
- Joint interne en PTFE
- Construction inox 316 L (usiné dans la barre)
- Rugosité $Ra \leq 0.8 \mu m$

- Connection according to BSP.P thread (NPT on request)
- PTFE internal seal
- Manufactured from 316 L bar stock
- Surface finish $\leq 0.8 \mu m$

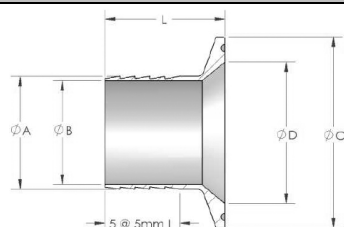
* Ø intérieur contre-ferrule

* Inside Ø mating

TYPE	CLAMP			
Filetage BSP.P	1/4" G	1/2" G	1/4" G	1/2" G
Ø C (mm)	50.5	50.5	50.5	50.5
Ø D * (mm)	22.0	22.0	35.0	35.0
L (mm)	25	25	25	25
Poids (kg)	0.12	0.11	0.11	0.09

ADAPTATEURS CANNELES - HOSE TAILS

13051 - 13052 - 13053

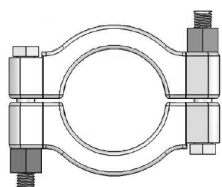


- Pour raccordement avec un flexible
- Construction inox 316 L (usiné dans la barre)
- Rugosité $Ra \leq 0.8 \mu m$

- To allow clamp flange to be connected directly to a flexible piece or hose
- Manufactured from 316 L bar stock
- Surface finish $\leq 0.8 \mu m$

Ferrule Réf.	DN 10 13052-10				DN 15 13052-16				DN 20 13052-20				1/2" 13051-10			3/4" 13051-16			1" 13053-22				1-1/2" 13053-35			
Tuyau	1/4"	3/8"	1/2"	3/4"	1/4"	3/8"	1/2"	3/4"	1/4"	3/8"	1/2"	3/4"	8x5	14x11	16x13	8x5	14x11	16x13	8x5	14x11	16x13	22x19	8x5	14x11	16x13	22x19
Ø A (mm)	6.4	9.5	12.7	19.0	6.4	9.5	12.7	19.0	6.4	9.5	12.7	19.0	8.0	14.0	16.0	8.0	14.0	16.0	8.0	14.0	16.0	22.0	8.0	14.0	16.0	22.0
Ø B (mm)	3.4	6.5	9.7	16.0	3.4	6.5	9.7	16.0	3.4	6.5	9.7	16.0	5.0	11.0	13.0	5.0	11.0	13.0	5.0	11.0	13.0	19.0	5.0	11.0	13.0	19.0
Ø C (mm)	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	25.4	25.4	25.4	25.4	25.4	25.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
Ø D (mm)	10.0	10.0	10.0	10.0	16.0	16.0	16.0	16.0	20.0	20.0	20.0	20.0	10.0	10.0	10.0	16.0	16.0	16.0	22.5	22.5	22.5	22.5	35.0	35.0	35.0	35.0
L (mm)	40	40	40	40	40	40	40	40	40	40	40	40	32	40	40	32	40	40	40	40	40	40	40	40	40	40
Poids (kg)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.08	0.08	0.09	0.07	0.08	0.08	0.09

COLLIERS SPECIAUX - SPECIAL CLAMP RINGS

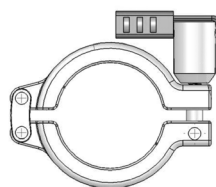


Collier inox 304 ou 316
écrou laiton (inox sur demande)

Du 1/2" au 8.5/8"
(= bride ext. 25.4 à 233)

Ps jusqu'à 75 bar (selon Ø) à 150°C

Collier haute pression - Heavy duty clamp

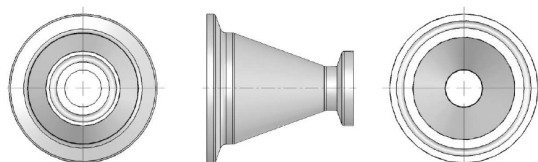


Collier avec écrou de sécurité et cadenas [système breveté]

Lockout safety clamp with extended shrouded domed nut for padlocking

Collier cadenassable - Lockout safety clamp

REDUCTIONS CLAMP - CLAMP REDUCERS



Construction inox 316 L
Ra standard $\leq 0.8 \mu m$
Option Ra 0.6 ou 0.4 et électropolissage
Dimensions standards : BS4825, ISO 1127 & BPE
Autres dimensions sur demande

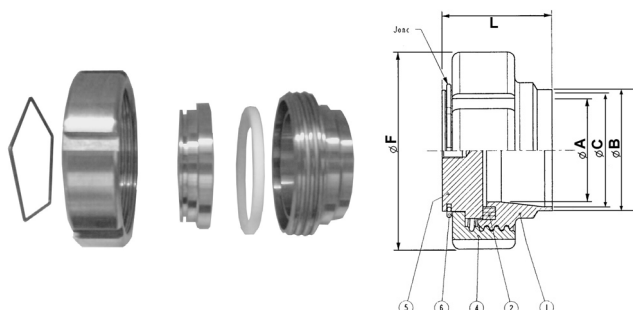
ISO 9001

RACCORD A JOINT PLAT INOX 316 L - MECA-INOX

STAINLESS STEEL 316 L FLAT SEAL UNIONS - MECA-INOX

Caractéristiques communes aux raccords à joint plat inox :

- Serrage rapide
- Filet rond NFE 03003 pour montage et démontage rapide
- Etanchéité parfaite sur joint encastré (évite le fluage)
- Conditions de service 50 bar / 150°C
- Quick tightening
- Round thread to std NFE 03 003 for rapid assembly and quick dismantling
- Perfect tightness without fragility at the flat seat
- Operating condition 50 bar / 150°C

TYPE RJPB - BW / CAP**4600 - 4601****Raccord joint plat à souder :
tube ISO + bouchon**Flat seal union :
BW ISO pipe + blank end**Passage intégral : réf. 4600**

Full bore : ref. 4600

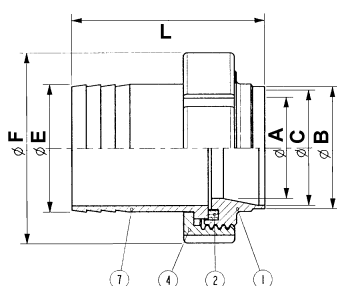
Passage venturi : réf. 4601

Reduced bore : ref. 4601

- ① Pièce filetée inox 316 L
- ② Joint plat Butyl ou PTFE [réf. + "T"]
- Autres joints sur demande :
Perbunan,...
- ④ Ecrou inox à encoches
- ⑤ Bouchon plat inox 316 L
- ⑥ Jonc CERCLAM

- ① Screwed end AISI 316 L
- ② Butyl or PTFE flat seal [ref. + "T"]
- Other seals on request :
Perbunan ...
- ④ S. steel slotted nut
- ⑤ AISI 316 L blank male part
- ⑥ CERCLAM

DN	réf. 4600							réf. 4601			
	15	20	25	32	40	50	100	20	40	65	80
B Ø ext. (mm)	21.3	26.9	33.7	42.4	48.3	60.3	114.3	26.9	48.3	76.1	88.9
C Ø int. (mm)	18.1	23.7	30.5	39.2	45.1	56.3	110.3	23.7	45.1	72.1	84.9
A Ø pass. (mm)	18.1	23.7	30.5	39.2	45.1	56.3	110	20	41	68	80
F Ø écrou (mm)	54.5	59.5	69	79	84	94	158	54.5	79	109	119
L Longueur (mm)	38	44	44	44	44.5	44.5	67	38	44	55	55

TYPE RJPC - BW / CANNELE**4610 - 4611****Raccord joint plat à souder :
tube ISO + cannelé**Flat seal union :
BW ISO pipe + hose shank**Passage intégral : réf. 4610**

Full bore : ref. 4610

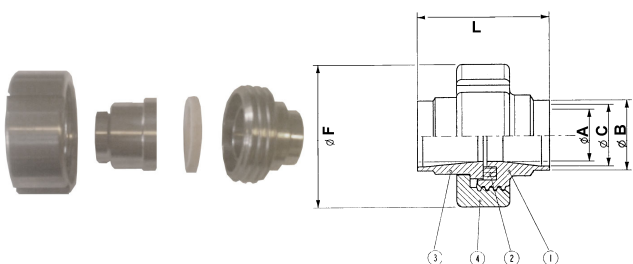
Passage venturi : réf. 4611

Reduced bore : ref. 4611

- ① Pièce filetée inox 316 L
- ② Joint plat Butyl ou PTFE [réf. + "T"]
- Autres joints sur demande :
Perbunan,...
- ③ Embout à souder inox 316 L
- ④ Ecrou inox

- ① Screwed end AISI 316 L
- ② Butyl or PTFE flat seal [ref. + "T"]
- Other seals on request :
Perbunan ...
- ③ Hose shank end AISI 316 L
- ④ S. steel slotted nut

DN	réf. 4610							réf. 4611				
	15	20	25	32	40	50	100	20	40	65	80	125
B Ø ext. (mm)	21.3	26.9	33.7	42.4	48.3	60.3	114.3	26.9	48.3	76.1	88.9	139.7
C Ø int. (mm)	18.1	23.7	30.5	39.2	45.1	56.3	110.3	23.7	45.1	72.1	84.9	135.7
A Ø pass. (mm)	18.1	23.7	30.5	39.2	45.1	56.3	110	20	41	68	80	134
F Ø écrou (mm)	54.5	59.5	69	79	84	94	158	54.5	79	109	119	179
E Ø cannelure (mm)	19	26	32	47.5	53.5	63.0	s/dde	26	47.5	76.1	86.5	s/dde
L Longueur (mm)	62.5	68	75	90	90	95	s/dde	65	90	110	120	s/dde

TYPE RJPL - BW / BW**4620 - 4621****Raccord joint plat à souder :
tube ISO**Flat seal union :
BW / BW**Passage intégral : réf. 4620**

Full bore : ref. 4620

Passage venturi : réf. 4621

Reduced bore : ref. 4621

- ① Pièce filetée inox 316 L
- ② Joint plat Butyl ou PTFE [réf. + "T"]
- Autres joints sur demande :
Perbunan,...
- ③ Embout à souder inox 316 L
- ④ Ecrou inox

- ① Screwed end AISI 316 L
- ② Butyl or PTFE flat seal [ref. + "T"]
- Other seals on request :
Perbunan ...
- ③ Welding liner AISI 316 L
- ④ S. steel slotted nut

DN	réf. 4620							réf. 4621			
	15	20	25	32	40	50	100	20	40	65	80
B Ø int. (mm)	21.3	26.9	33.7	42.4	48.3	60.3	114.3	26.9	48.3	76.1	88.9
C Ø ext. (mm)	18.1	23.7	30.5	39.2	45.1	56.3	110.3	23.7	45.1	72.1	84.9
A Ø pass. (mm)	18.1	23.7	30.5	39.2	45.1	56.3	110	20	41	68	80
F Ø écrou (mm)	54.5	59.5	69	79	84	94	158	54.5	79	109	119
L Longueur (mm)	50	58	58	58	61	61	90	50	58	71	71

RACCORDS UNION SMS & DIN 11851

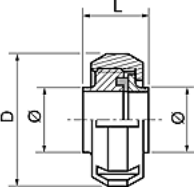
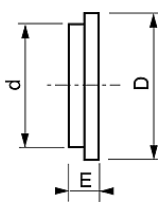
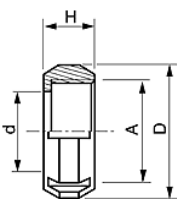
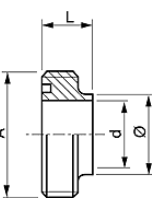
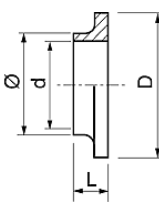
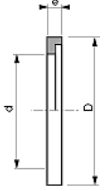
SMS & DIN 11851 UNION FITTINGS

RACCORDS SMS - SMS UNIONS

4650

Construction : inox 304 ou 316
Joint : EPDM, Viton®, PTFE, Silicone

AISI 304 or AISI 316 construction
Seal : EPDM, Viton®, PTFE, Silicone

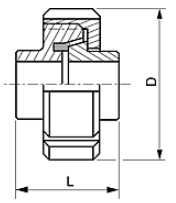
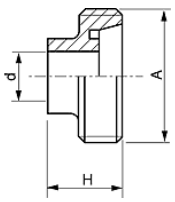
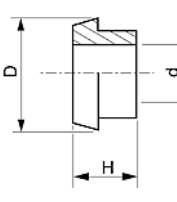
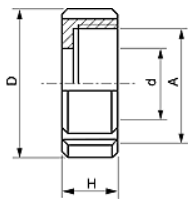
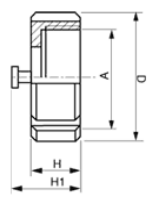
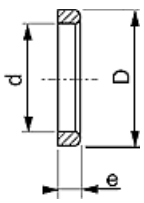
																		
	Raccord complet à souder SMS Welding union		Fond d'écrou SMS Blank			Ecrours SMS Nut				Nez à souder SMS Welding male part			Douille à souder SMS Welding liner			Joint SMS en L Seal ring		
Ø	D	L	D	d	E	A	D	d	H	d	A	L	D	d	L	D	d	e
25	51	38	35	31	7	40x6F"	51	32.5	20	22.5	40x6F"	19	35.5	22.5	17	32	22.5	5
38	74	45	55	48	8	60x6F"	74	49	25	35.5	60x6F"	23	55	35.5	20	48	35.5	5
51	84	47	65	60	9	70x6F"	84	62	26	48.5	70x6F"	25	65	48.5	20	61	48.5	5
63	100	50	80	74	9	85x6F"	100	74.5	28	60.5	85x6F"	27	80	60.5	21	73.5	60.5	5
76	114	50	93	86	10	98x6F"	114	87	30	72	98x6F"	27	93	72	21	86	72.9	5
104	138.5	56	118	112	11	125x4F"	138	113	31	100	125x4F"	30	118	100	24	116	100	5

RACCORDS DIN - DIN UNIONS

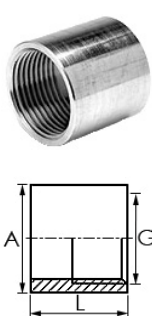
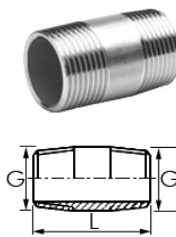
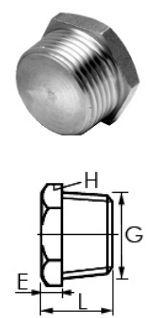
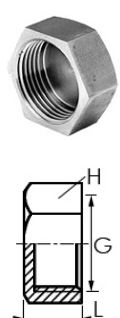
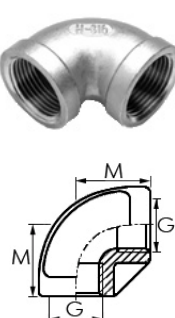
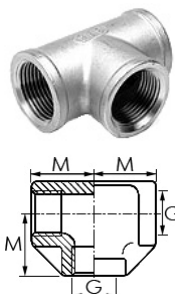
4660

Construction : inox 304 ou 316
Joint : EPDM, Viton®, PTFE, Silicone

AISI 304 or AISI 316 construction
Seal : EPDM, Viton®, PTFE, Silicone

																		
	Raccord complet DIN à souder Welding union		Nez à souder DIN Welding male part			Douille à souder DIN Welding liner			Ecrout DIN Nut				Bouchon chaînette Blind nut with chain			Joint DIN Seal ring		
DN	D	L	A	d	H	D	d	H	A	D	d	H	D	A	H	D	d	e
10	38	34	28x8F"	10	21	22	10	17	28x8F"	38	19	18	38	28x8F"	18	20	12	4.5
15	44	34	34x8F"	16	21	28	16	17	34x8F"	44	25	18	44	34x8F"	18	26	18	4.5
20	54	36	44x6F"	20	24	36	20	18	44x6F"	54	31	21	54	44x6F"	21	33	23	4.5
25	63	45	52x6F"	26	29	44	26	22	52x6F"	63	36	21	63	52x6F"	21	40	30	5
32	70	51	58x6F"	32	32	50	32	25	58x6F"	70	42	21	70	58x6F"	21	46	36	5
40	78	53	65x6F"	38	33	56	38	26	65x6F"	78	49	21	78	65x6F"	21	52	42	5
50	92	57	78x6F"	50	35	68	50	28	78x6F"	92	62	22	92	78x6F"	22	64	54	5
65	112	65	95x6F"	66	40	86	66	32	95x6F"	112	80	25	112	95x6F"	25	81	71	5
80	127	75	110x4F"	81	45	100	81	37	110x4F"	127	94	29	127	110x4F"	30	95	85	5
100	148	89	130x4F"	100	54	121	100	44	130x4F"	148	115	31	148	130x4F"	31	114	104	6
125	178	70	160x4F"	125	46	150	125	34	160x4F"	178	138	35	-	-	-	142	130	7
150	210	76	190x4F"	150	50	176	150	37	190x4F"	210	164	40	-	-	-	167	155	7

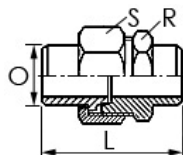
ACCESSOIRES RACCORDS INOX 316 L STAINLESS STEEL 316 L TUBE FITTINGS

CARACTERISTIQUES - GENERAL FEATURES				EMBOUT FEMELLE - FEMALE NIPPLE				8500		
Caractéristiques communes aux références 8500 à 8530 : - Filetage mâle conique selon NFE 03004 - Filetage femelle gaz cylindrique selon NFE 03005 - Construction en inox 316 L (sauf pièces moulées réf. 8506, 8507 et 8508 : inox 316) Common characteristics to references 8500 to 8530 : - BSP Male threading according to NFE 03004 - BSP Female threading according to NFE 03005 - Material AISI 316 L (except cast items ref. 8506, 8507 & 8508 : AISI 316)					DN	G (mm)	A (mm)	L (mm)		
					5	1/8	14	18		
					8	1/4	18	22		
					12	3/8	22	25		
					15	1/2	25	28		
					20	3/4	30	32		
					25	1	38	36		
					32	1-1/4	50	36		
					40	1-1/2	55	40		
					50	2	65	40		
					65	2-1/2	85	55		
					80	3	95	70		
					100	4	122	80		
EMBOUT MALE - WELDING NIPPLE				8501	BOBINE M/M - BARREL NIPPLE				8502	
	DN	G (mm)	L (mm)		DN	G (mm)	L (mm)			
	5	1/8	22		5	1/8	31			
	8	1/4	22		8	1/4	36			
	12	3/8	23		12	3/8	39			
	15	1/2	27		15	1/2	42			
	20	3/4	33		20	3/4	50			
	25	1	35		25	1	56			
	32	1-1/4	36		32	1-1/4	58			
	40	1-1/2	41		40	1-1/2	62			
	50	2	46		50	2	74			
	65	2-1/2	55		65	2-1/2	80			
	80	3	60		80	3	100			
	100	4	80		100	4	120			
MANCHON FEMELLE - FEMALE COUPLING				8503	BOUCHON MALE - MALE PLUG					8504
	DN	G (mm)	A (mm)	L (mm)		DN	G (mm)	E (mm)	H (mm)	L (mm)
	5	1/8	14	19		5	1/8	5	10	13
	8	1/4	17.2	25		8	1/4	5	14	15/16
	12	3/8	21.3	26		12	3/8	5	19	15/16
	15	1/2	26.9	34		15	1/2	7	23	20/21
	20	3/4	32	36		20	3/4	7	27	22/23
	25	1	40	43		25	1	7	36	23/25
	32	1-1/4	48.3	48		32	1-1/4	8	46	27/28
	40	1-1/2	55	48		40	1-1/2	10	50	30/32
	50	2	67	56		50	2	11	60	34/36
	65	2-1/2	85	65		65	2-1/2	12	78	37
	80	3	95	72		80	3	12	92	42
	100	4	122	82		100	4	12	118	47
BOUCHON FEMELLE - CAP				8505	COUDE 90° F/F - F/F 90° ELBOW				8506	
	DN	G (mm)	H (mm)	L (mm)		DN	G (mm)	M (mm)		
	5	1/8	13	10		5	1/8	17		
	8	1/4	17	10/12		8	1/4	20		
	12	3/8	21	12/16		12	3/8	24		
	15	1/2	24	14/18		15	1/2	28		
	20	3/4	30	16/18		20	3/4	32		
	25	1	38	17/22		25	1	38		
	32	1-1/4	46	19/22		32	1-1/4	45		
	40	1-1/2	55	23/26		40	1-1/2	50		
	50	2	65	25/26		50	2	58		
	65	2-1/2	84	29		65	2-1/2	70		
	80	3	95	34		80	3	78		
	100	4	124	40		100	4	97		
COUDE 90° M/F - M/F 90° ELBOW				8507	TE EGAL - EQUAL TEE			8508		
	DN	G (mm)	M (mm)	N (mm)		DN	G (mm)	M (mm)		
	5	1/8	17	26		5	1/8	17		
	8	1/4	20	28		8	1/4	20		
	12	3/8	24	36		12	3/8	24		
	15	1/2	28	40		15	1/2	28		
	20	3/4	32	46		20	3/4	32		
	25	1	38	54		25	1	38		
	32	1-1/4	45	62		32	1-1/4	45		
	40	1-1/2	50	69		40	1-1/2	50		
	50	2	58	80		50	2	58		
	65	2-1/2	70	98		65	2-1/2	70		
	80	3	78	112		80	3	78		
	100	4	97	132		100	4	97		

ACCESSOIRES RACCORDS INOX 316 L STAINLESS STEEL 316 L TUBE FITTINGS

RACCORD UNION LISSE LISSE
BW/BW UNION

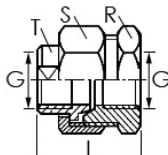
8509



DN	G (mm)	L (mm)	O (mm)	R (mm)	S (mm)
5	1/8	40	10.2	17	2
8	1/4	40	13.5	17	21
12	3/8	45	17.2	21	24
15	1/2	48	21.3	27	30
20	3/4	52	26.9	36	36
25	1	55	33.7	35	46
32	1-1/4	56	42.4	45	55
40	1-1/2	58	48.3	50	60
50	2	62	60.3	60	70
65	2-1/2	81	76.1	80	92
80	3	96	88.9	94	110
100	4	130	114.3	115	135

RACCORD UNION F/F
F/F UNION

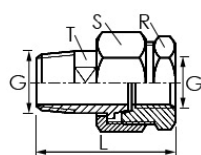
8510



DN	G (mm)	L (mm)	R (mm)	S (mm)	T (mm)
5	1/8	29	21	24	14
8	1/4	29	21	24	14
12	3/8	34	27	30	18
15	1/2	34	36	36	24
20	3/4	38	37	46	30
25	1	44	46	55	38
32	1-1/4	50	50	60	45
40	1-1/2	53	60	70	54
50	2	54	70	84	63
65	2-1/2	63	94	110	83
80	3	75	104	122	94
100	4	94	140	150	125

RACCORD UNION M/F
M/F UNION

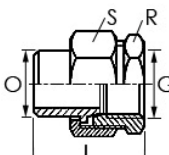
8511



DN	G (mm)	L (mm)	R (mm)	S (mm)	T (mm)
5	1/8	32	17	21	10
8	1/4	38	17	21	11
12	3/8	42	21	24	14
15	1/2	49	27	30	18
20	3/4	57	36	36	24
25	1	66	37	46	30
32	1-1/4	70	46	55	38
40	1-1/2	71	52	60	45
50	2	79	63	70	54
65	2-1/2	88	80	92	71
80	3	100	94	110	84
100	4	122	120	150	108

RACCORD UNION LISSE FEMELLE
BW/F UNION

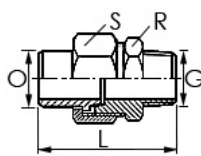
8512



DN	G (mm)	O (mm)	L (mm)	R (mm)	S (mm)
5	1/8	10.2	31	17	21
8	1/4	13.5	31	17	21
12	3/8	17.2	35	21	24
15	1/2	21.3	40	27	30
20	3/4	26.9	45	36	36
25	1	33.7	50	37	46
32	1-1/4	42.4	53	46	55
40	1-1/2	48.3	53	52	60
50	2	60.3	61	63	70
65	2-1/2	76.1	71	80	92
80	3	88.9	84	94	110
100	4	114.3	110	120	135

RACCORD UNION LISSE MALE
BW/M UNION

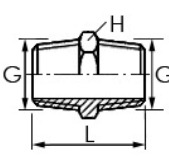
8513



DN	G (mm)	O (mm)	L (mm)	R (mm)	S (mm)
5	1/8	10.2	40	17	21
8	1/4	13.5	40	17	21
12	3/8	17.2	47	21	24
15	1/2	21.3	52	27	30
20	3/4	26.9	59	36	36
25	1	33.7	64	35	46
32	1-1/4	42.4	65	45	55
40	1-1/2	48.3	65	50	60
50	2	60.3	73	60	70
65	2-1/2	76.1	91	80	92
80	3	88.9	108	94	110
100	4	114.3	145	115	135

MAMELON 6 PANS
HEX. NIPPLE

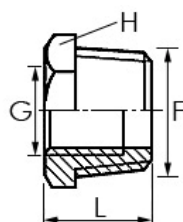
8514



DN	G (mm)	H (mm)	L (mm)
5	1/8	12	25
8	1/4	15	33
12	3/8	20	35
15	1/2	23	42
20	3/4	29	48
25	1	36	52
32	1-1/4	46	58
40	1-1/2	52	58
50	2	63	64
65	2-1/2	80	74
80	3	95	86

REDUCTION M/F
REDUCING BUSHING

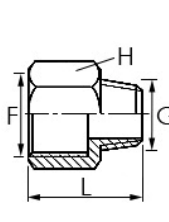
8515



DN	F (mm)	G (mm)	H (mm)	L (mm)
8 / 5	1/4	1/8	14	13
12 / 8	3/8	1/4	19	15
15 / 8	1/2	1/4	23	18
15 / 12	1/2	3/8	23	18
20 / 8	3/4	1/4	27	22
20 / 12	3/4	3/8	27	22
20 / 15	3/4	1/2	27	22
25 / 8	1	1/4	36	23
25 / 12	1	3/8	36	23
25 / 15	1	1/2	36	23
25 / 20	1	3/4	36	23
32 / 20	1-1/4	3/4	46	27
32 / 25	1-1/4	1	46	27
40 / 25	1-1/2	1	50	30
40 / 32	1-1/2	1-1/4	50	30
50 / 15	2	1/2	60	34
50 / 40	2	1-1/2	60	34

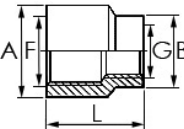
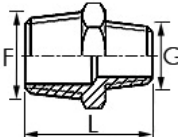
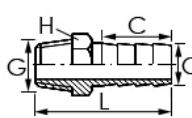
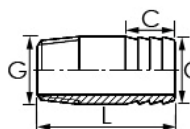
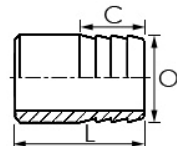
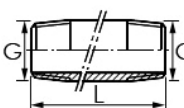
REDUCTION F/M
F/M REDUCER

8516



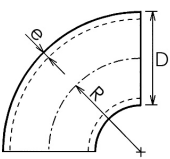
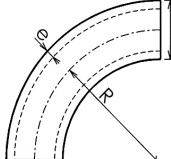
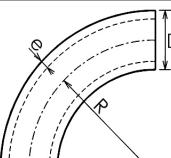
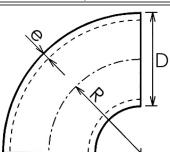
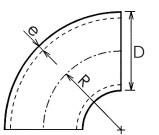
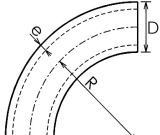
DN	F (mm)	G (mm)	H (mm)	L (mm)
8 / 5	1/4	1/8	17	25
12 / 8	3/8	1/4	21	28
15 / 8	1/2	1/4	24	31
15 / 12	1/2	3/8	24	32
20 / 8	3/4	1/4	30	35
20 / 12	3/4	3/8	30	35
20 / 15	3/4	1/2	30	36
25 / 15	1	1/2	36	39
25 / 20	1	3/4	36	43
32 / 20	1-1/4	3/4	46	46
32 / 25	1-1/4	1	46	49
40 / 25	1-1/2	1	55	49
40 / 32	1-1/2	1-1/4	55	50
50 / 40	2	1-1/4	65	54

ACCESSOIRES RACCORDS INOX 316 L STAINLESS STEEL 316 L TUBE FITTINGS

REDUCTION F/F REDUCING SOCKET							8517	REDUCTION M/M REDUCING HEX. NIPPLE							8518					
 	DN	F (mm)	G (mm)	A (mm)	B (mm)	L (mm)	 	DN	F (mm)	G (mm)	H (mm)	L (mm)								
	8 / 5	1/4	1/8	18	14	27		8 / 5	1/4	1/8	14	27								
	12 / 8	3/8	1/4	22	17	30		12 / 8	3/8	1/4	19	30								
	15 / 8	1/2	1/4	25	17	36		15 / 8	1/2	1/4	23	32								
	15 / 12	1/2	3/8	25	21	36		15 / 12	1/2	3/8	23	33								
	20 / 8	3/4	1/4	32	17	38		20 / 8	3/4	1/4	27	37								
	20 / 12	3/4	3/8	32	21	38		20 / 12	3/4	3/8	27	38								
	20 / 15	3/4	1/2	32	27	38		20 / 15	3/4	1/2	27	39								
	25 / 8	1	1/4	40	16	43		25 / 8	1	1/4	36	41								
	25 / 12	1	3/8	40	21	43		25 / 12	1	3/8	36	42								
	25 / 15	1	1/2	40	27	43		25 / 15	1	1/2	36	43								
	25 / 20	1	3/4	40	33	43		25 / 20	1	3/4	36	47								
	32 / 20	1-1/4	3/4	50	33	45		32 / 20	1-1/4	3/4	46	49								
	32 / 25	1-1/4	1	50	42	45		32 / 25	1-1/4	1	46	52								
	40 / 25	1-1/2	1	55	42	50		40 / 25	1-1/2	1	50	52								
40 / 32	1-1/2	1-1/4	55	55	50	40 / 32	1-1/2	1-1/4	50	53										
50 / 32	2	1-1/4	70	55	57	50 / 32	2	1-1/4	60	57										
50 / 40	2	1-1/2	70	60	57	50 / 40	2	1-1/2	60	57										
ADAPTATEUR HEXAGONAL MALE CANNELE MALE HEX. HOSE TAIL							8520	ADAPTATEUR CYLINDRIQUE MALE CANNELE CYLINDRICAL MALE HOSE TAIL							8521					
 	DN	G (mm)	O (mm)	C (mm)	H (mm)	L (mm)	 	DN	G (mm)	O (mm)	C (mm)	L (mm)								
	5	1/8	7	16	12	33		8	1/4	13.5	16	42								
	8	1/4	9	20	14	40		12	3/8	17.2	20	47								
	12	3/8	11	20	19	46		15	1/2	21.3	20	53								
	15	1/2	15	24	22	51		20	3/4	26.9	20	57								
	20	3/4	20	28	27	58		25	1	33.7	28	65								
	25	1	27	28	36	65		32	1-1/4	42.4	32	68								
	32	1-1/4	34	36	46	72		40	1-1/2	48.3	32	74								
	40	1-1/2	40	40	50	84		50	2	60.3	36	82								
	50	2	52	50	65	100		65	2-1/2	76.1	50	104								
								80	3	88.9	60	130								
						100	4	114.3	68	154										
ADAPTATEUR LISSE CANNELE BW HOSE TAIL							8522	BOBINE CYLINDRIQUE LISSE NIPPLE							8530-L					
 	DN	O (mm)	C (mm)	L (mm)	 	DN	G (mm)	L (mm)	L (mm)	L (mm)										
	5	10.2	16	30		5	1/8	100	150	200										
	8	13.5	16	30		8	1/4	100	150	200										
	12	17.2	20	35		12	3/8	100	150	200										
	15	21.3	20	40		15	1/2	100	150	200										
	20	26.9	20	40		20	3/4	100	150	200										
	25	33.7	28	45		25	1	100	150	200										
	32	42.4	32	55		32	1-1/4	100	150	200										
	40	48.3	32	55		40	1-1/2	100	150	200										
	50	60.3	36	60		50	2	100	150	200										
	65	76.1	50	80		65	2-1/2	100	150	200										
80	88.9	60	100	80	3	100	150	200												
100	114.3	66	120	100	4	100	150	200												
RACCORDS UNION A JOINT CONIQUE PTFE UNION WITH PTFE CONICAL SEAL														8529 / 8532 / 8533						
 Raccord union à joint conique PTFE LISSE / LISSE : réf. 8529 dimensions : cf. réf. 8509 BW / BW union : ref. 8529 dimensions : refer to ref. 8509							 Raccord union à joint conique PTFE LISSE / FEMELLE : réf. 8532 dimensions : cf. réf. 8512 BW / F union : ref. 8532 dimensions : refer to ref. 8512							 Raccord union à joint conique PTFE LISSE / MÂLE : réf. 8533 dimensions : cf. réf. 8513 BW / M union : ref. 8533 dimensions : refer to ref. 8513						

RACCORDS INOX A SOUDER : COUDES 90° ISO / METRIQUES / GAZ **STAINLESS STEEL BW FITTINGS : 90° ELBOWS ISO / METRIC / GAS**

• standard x disponible sur demande

 COUDES 90° ISO modèle "3D" (ISO 5251) 316 L (autres nuances sur demande) 90° ELBOWS ISO								 COUDES 90° ISO modèle "5D" (ISO 5251) 316 L (autres nuances sur demande) 90° ELBOWS ISO							
8550 soudé welded				8551 sans soudure seamless				8555 soudé welded				8556 Variante sans soudure, API Seamless, long = 1.5D			
Ø D	R	e = 1.6	e = 2	e = 2.9	e = 4	e = 1.6	e = 2	Ø D	R	e = 1.6	e = 2	e = 1.6	e = 2		
13.5	20	•				x		13.5		•					
17.2	25	•				x		17.2	30	•		x			
21.3	28/38	•	x			x	x	21.3	45	•	x	x	x		
26.9	29	•	x			x	x	26.9	57	•	x	x	x		
33.7	38	•	x			x	x	33.7	72	x	•	x	x		
42.4	48	•	x			x	x	42.4	92	x	•	x	x		
48.3	57	•	x			x	x	48.3	109	x	•	x	x		
60.3	76		•	x		x	x	60.3	137		•		x		
76.1	95		•	x		x	x	76.1	175		•		x *		
88.9	114		•	x			x	88.9	207		•		x *		
114.3	152		•	x				114.3	270		•		x *		
139.7	190		•	x				* sans partie droite - without right part							
168.3	229		•	x				 COUDES A 90° METRIQUES grands rayons R = 2d, 3d ou 3D (d : Ø int. réel) 90° ELBOWS METRIC							
219.1	305		•	x	x										
273	381		x	x	x										
323.9	457		x	x	x										
406.4	609			x	x										
457.2	686				x										
508	762				x										
610	914				x			8557 soudé / welded							
 COUDES A 90° METRIQUES petits rayons R = 1.5d (d : Ø intérieur réel) 90° ELBOWS METRIC								8558 sans soudure / seamless							
Ø D	R	e = 1.5	e = 2	e = 3	e = 1.5	e = 2		Ø D	R = 2d ou R = 3d	e = 1.5	e = 2	e = 3	R = 3D	e = 1.5	e = 2
23	30	x			x			23	60	x					
25	37	x	x				x	25	65	x					
28	37	x			x			28	80	x					
33	45	x			x			33	90	x					
38	52	x	x		x	x		38	105	x					
43	60	x			x	x		43	120	x					
53	75	x			x	x		44.5	120		x				
54	75		x				x	53	150	x					
64	90		x				x	54	150		x				
70	95		x					64	180						
74	95							70	130 **		x				
84	120		x					74	140 **						
104	150							84	160 **		x				
129	188		x					104	200 **		x	x			
154	225		x					154	300 **		x				
156	225				x			156	300 **			x			
204	300		x					204	400 **		x	x			
206	300				x			206	400 **			x			
								** R = 2D							
 COUDES A 90° SERIE GAZ soudés - chanfrein 37° - passivés 90° ELBOWS GAS								 COUDES A 90° SERIE GAZ sans soudure - chanfrein 37° - passivés 90° ELBOWS GAS							
8554 PR Petits rayons (SPD)				8554 GR Grands rayons (SPD)				8559 PR Petits rayons (SPD)				8559 GR Grands rayons (SPD)			
Ø D	e	R	3D	R	5D			Ø D	e	R	3D	R	5D		
13.5	2.3	20				13.5		13.5	2.3	20	x				
17.2	2.3	25		30		17.2		17.2	2.3	25	x	30	x		
21.3	2.6	28/38	x	45	x	21.3		21.3	2.6	28/38	x	45	x		
26.9	2.6	29	x	57	x	26.9		26.9	2.6	29	x	57	x		
33.7	3.2	38	x	72	x	33.7		33.7	3.2	38	x	72	x		
42.4	3.2	48	x	93	x	42.4		42.4	3.2	48	x	93	x		
48.3	3.2	57	x	108	x	48.3		48.3	3.2	57	x	108	x		
60.3	3.6	76	x	135	x	60.3		60.3	3.6	76	x	135	x		
76.1	3.6	95	x	175	x	76.1		76.1	3.6	95	x	175	x		
88.9	4.0	114	x	205	x	88.9		88.9	4.0	114	x	205	x		
101.6	4.0	133				101.6		101.6	4.0	133	x				
114.3	4.5	152		270		114.3		114.3	4.5	152	x	270	x		

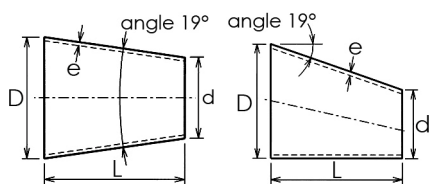
RACCORDS INOX A SOUDER : RÉDUCTIONS ISO / MÉTRIQUES - TES ISO - FONDS EMBOUTIS

STAINLESS STEEL FITTINGS : ISO / METRIC REDUCERS - ISO TEES - PRESSED CAPS

REDUCTIONS CONCENTRIQUES OU EXCENTRIQUES ISO / METRIQUES

CONCENTRIC OR ECCENTRIC REDUCERS ISO / METRIC

8580



Soudé ou sans soudure

Welded or seamless

Matière : inox 316 L
(autres nuances sur demande)

Material : 316 L
(other materials on request)

Épaisseur : 2 mm
(autres épaisseurs sur demande)

Thickness : 2 mm
(other thickness on request)

D (mm) x d (mm)	L (mm)	D (mm) x d (mm)	L (mm)	D (mm) x d (mm)	L (mm)	D (mm) x d (mm)	L (mm)	D (mm) x d (mm)	L (mm)
17.2 x 13.5	11	60.3 x 26.9	100	114.3 x 76.1	115	254.0 x 104	450	355.6 x 273	248
21.3 x 13.7	23	60.3 x 33.7	80	114.3 x 88.9	76	254.0 x 129	375	355.6 x 323.9	95
21.3 x 17.2	12	60.3 x 42.4	54	129.0 x 84	135	254.0 x 154	300	406.4 x 219.1	562
26.9 x 13.7	40	60.3 x 48.3	36	129.0 x 104	75	254.0 x 204	150	406.4 x 273	400
26.9 x 17.2	29	64.0 x 34	90	139.7 x 60.3	238	273.0 x 114.3	476	406.4 x 323.9	248
26.9 x 21.3	17	64.0 x 44.5	60	139.7 x 76.1	191	273.0 x 139.7	400	406.4 x 355.6	152
33.7 x 13.5	60	64.0 x 54	30	139.7 x 88.9	152	273.0 x 168.3	314	457.2 x 219.1	714
33.7 x 17.2	49	76.1 x 33.7	127	139.7 x 114.3	76	273.0 x 219.1	161	457.2 x 273	553
33.7 x 21.3	37	76.1 x 42.4	101	154.0 x 84	210	304.0 x 104	600	457.2 x 323.9	400
33.7 x 26.9	20	76.1 x 48.3	83	154.0 x 104	150	304.0 x 129	525	457.2 x 355.6	305
42.4 x 13.5	-	76.1 x 60.3	47	154.0 x 129	75	304.0 x 154	450	457.2 x 406.4	152
42.4 x 17.2	75	84.0 x 44.5	120	168.3 x 60.3	324	304.0 x 204	300	508.0 x 273	705
42.4 x 21.3	63	84.0 x 54	90	168.3 x 76.1	276	304.0 x 254	150	508.0 x 323.9	552
42.4 x 26.9	46	88.9 x 33.7	166	168.3 x 88.9	238	323.9 x 114.3	629	508.0 x 355.6	457
42.4 x 33.7	26	88.9 x 42.4	139	168.3 x 114.3	162	323.9 x 139.7	553	508.0 x 406.4	305
48.3 x 21.3	81	88.9 x 48.3	122	168.3 x 139.7	86	323.9 x 168.3	467	508.0 x 457.2	152
48.3 x 26.9	90	88.9 x 60.3	86	204.0 x 84	360	323.9 x 219.1	312	609.6 x 323.9	857
48.3 x 33.7	64	88.9 x 76.1	38	204.0 x 104	300	323.9 x 273	152	609.6 x 355.6	762
48.3 x 42.4	75	104.0 x 54	150	204.0 x 129	225	354.0 x 154	600	609.6 x 406.4	610
54.0 x 24	44	104.0 x 84	60	204.0 x 154	150	354.0 x 204	450	609.6 x 457.2	457
54.0 x 29	60	114.3 x 26.9	262	219.1 x 88.9	391	354.0 x 254	300	609.6 x 508	305
54.0 x 34	18	114.3 x 33.7	242	219.1 x 114.3	315	354.0 x 304	150		
54.0 x 44.5	30	114.3 x 48.3	198	219.1 x 139.7	238	355.6 x 168.3	562		
60.3 x 21.3	117	114.3 x 60.3	162	219.1 x 168.3	152	355.6 x 219.1	410		

TES ISO

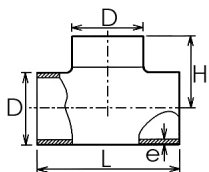
ISO TEES

8561

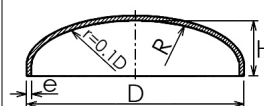
FOND EMBOUTI

PRESSED CAP

8570



- sans manchette : réf. **8561**
- avec manchette : réf. **8560**
- avec collerette : réf. **8562**
- short branch : ref. 8561
- long branch : ref. 8560
- with neck : ref. 8562

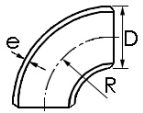


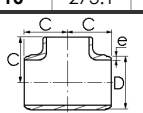
Pour tubes minces et épais

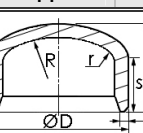
For thin and thick tubes

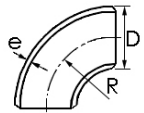
D (mm) x e (mm)	L (mm)	H (mm) 8561	H (mm) 8560	DN	D (mm)	e (mm)	H (mm)	R (mm)	r (mm)
21.3 x 1.6	51	12	25.5	10	17.2	2	10	17	2
26.9 x 1.6	57	15	28.5	15	21.3	2	11	14	3
33.7 x 2	76	19	38	20	26.9	2	13.5	19	5
42.4 x 2	95	23	47.5	25	33.7	2	16	24	5
48.3 x 2	114	26	57	32	42.4	2	17	35	6
60.3 x 2	127	33	63.5	40	48.3	2	20	36	7
76.1 x 2	152	41	76	50	60.3	2	24	46	9
88.9 x 2	171	47	83.5	65	76.1	2.9	30	55	11
88.9 x 2.9	171	47	83.5	80	88.9	2.9	33	69	13
114.3 x 2	210	61	105	100	114.3	2.9	41	90	17
114.3 x 2.9	210	61	105	125	139.7	2.9	46	115	22
139.7 x 2	248	74	124	150	168.3	2.9	53	135	26
139.7 x 2.9	248	74	124	200	219.1	2.9	66	178	34
168.3 x 2	286	89	143	250	273.0	2.9	82	223	43
168.3 x 2.9	286	89	143	300	323.9	2.9	95	267	51
219.1 x 2	356	116	178	350	355.6	2.9	106	-	-
219.1 x 2.9	356	116	178	400	406.4	2.9	110	-	-
273.0 x 2.9	432	148	216	500	406.4	2.9	125	-	-
				600	508	2.9	-	-	-

RACCORDS INOX A SOUDER - ASME B 16.5 STAINLESS STEEL FITTINGS - ASME B 16.5

			COUDES 90° sans soudure - long rayon (LR) ELBOWS seamless - long radius (LR)					8850	
DN	Ø D (mm)	R (mm)	e (mm)						
			sch. 5S	sch. 10S	sch. 40S	sch. 80S	sch. 160S	XXS	
1/4	13.7	20	-	1.65	2.24	3.02	-	-	
3/8	17.2	25	-	1.65	2.31	3.20	-	-	
1/2	21.3	38	1.65	2.11	2.77	3.73	4.78	7.47	
3/4	26.7	28	1.65	2.11	2.88	3.91	5.56	8.82	
1	33.4	38	1.65	2.77	3.38	4.55	6.35	9.09	
1-1/4	42.2	47	1.65	2.77	3.56	4.85	6.35	9.70	
1-1/2	48.3	57	1.65	2.77	3.68	5.08	7.14	10.15	
2	60.3	76	1.65	2.77	3.91	5.54	8.74	11.07	
2-1/2	73.0	95	2.11	3.05	5.16	7.01	9.53	14.02	
3	88.9	114	2.11	3.05	5.49	7.62	11.13	15.24	
3-1/2	101.6	133	2.11	3.05	5.74	8.08	-	-	
4	114.3	152	2.11	3.05	6.02	8.56	13.49	17.12	
5	141.3	190	2.77	3.40	6.55	9.52	15.88	19.05	
6	168.3	228	2.77	3.40	7.11	10.97	18.26	21.95	
8	219.1	305	2.77	3.76	8.18	12.70	23.01	22.23	
10	273.1	380	3.40	4.19	9.27	12.70	28.58	25.40	

			TES ANSI ANSI TEES					8860	
DN	Ø D (mm)	C (mm)	e (mm)						
			sch. 10S	sch. 40S					
1/2	21.3	25	2.11	2.77					
3/4	26.7	29	2.11	2.88					
1	33.4	38	2.77	3.38					
1-1/4	42.2	48	2.77	3.56					
1-1/2	48.3	57	2.77	3.68					
2	60.3	64	2.77	3.91					
2-1/2	73.0	76	3.05	5.16					
3	88.9	86	3.05	5.49					
4	114.3	105	3.05	6.02					
5	141.3	124	3.40	6.55					
6	168.3	143	3.40	7.11					
8	219.1	178	3.76	8.18					
10	273.1	216	4.19	9.27					
12	323.9	254	4.57	9.53					
14	355.6	279	4.78	9.53					

			FONDS ANSI ANSI CAPS					8870	
DN	Ø D (mm)	H (mm)	R (mm)	r (mm)	s (mm)	e (mm)			
						sch. 5S	sch. 10S	sch. 40S	sch. 80S
1-1/4	42.2	38	34.3	5.8	25.9	1.65	2.77	3.56	4.85
1-1/2	48.3	38	35.8	6.9	24.1	1.65	2.77	3.68	5.08
2	60.3	38	46.0	8.6	21.1	1.65	2.77	3.91	5.54
2-1/2	73.0	38	54.6	10.4	17.3	2.11	3.05	5.16	7.01
3	88.9	51	68.3	13.0	25.9	2.11	3.05	5.49	7.62
3-1/2	101.6	64	79.0	15.0	35.3	2.11	3.05	5.74	8.08
4	114.3	64	89.4	17.0	32.0	2.11	3.05	6.02	8.56
5	141.3	76	112.3	21.3	37.6	2.77	3.40	6.55	9.53
6	168.3	89	134.9	25.7	43.2	2.77	3.40	7.11	10.97
8	219.1	102	177.3	33.8	42.7	2.77	3.76	8.18	12.7
10	273.1	127	222.7	42.4	54.1	3.40	4.19	9.27	12.7
12	323.9	152	266.7	50.8	66.5	3.96	4.57	9.53	12.7
14	355.6	165	294.6	56.1	71.4	3.96	4.78	9.53	12.7
16	406.4	178	338.8	64.5	71.4	4.19	4.78	9.53	12.7
18	457.2	203	383.0	73.2	84.1	4.19	4.78	9.53	12.7
20	508.0	229	427.7	81.5	96.8	4.77	5.54	9.53	12.7
24	610.0	267	516.6	98.6	109.5	5.54	6.35	9.53	12.7

			REDUCTIONS ANSI concentriques & excentriques ANSI REDUCERS concentric & eccentric					8880	
DN	D (mm)	d (mm)	H (mm)	sch. 10S		sch. 40S			
				e1	e2	e1	e2		
3/4	1/2	26.67	21.34	38.1	2.11	2.11	2.87	2.77	
1	1/2	33.40	21.34	50.8	2.77	2.11	3.38	2.77	
1	3/4	33.40	26.67	50.8	2.77	2.11	3.38	2.87	
1-1/4	1/2	42.16	21.34	50.8	2.77	2.11	3.56	2.77	
1-1/4	3/4	42.16	26.67	50.8	2.77	2.11	3.56	2.87	
1-1/4	1	42.16	33.40	50.8	2.77	2.77	3.56	3.38	
1-1/2	1/2	48.26	21.34	63.5	2.77	2.11	3.68	2.77	
1-1/2	3/4	48.26	26.67	63.5	2.77	2.11	3.68	2.87	
1-1/2	1	48.26	33.40	63.5	2.77	2.77	3.68	3.38	
1-1/2	1-1/4	48.26	42.16	63.5	2.77	2.77	3.68	3.56	
2	3/4	60.32	26.67	76.2	2.77	2.11	3.91	2.87	
2	1	60.32	33.40	76.2	2.77	2.77	3.91	3.38	
2	1-1/4	60.32	42.16	76.2	2.77	2.77	3.91	3.56	
2	1-1/2	60.32	48.26	76.2	2.77	2.77	3.91	3.68	
2-1/2	1	73.02	33.40	88.9	3.05	2.77	5.16	3.38	
2-1/2	1-1/4	73.02	42.16	88.9	3.05	2.77	5.16	3.56	
2-1/2	1-1/2	73.02	48.26	88.9	3.05	2.77	5.16	3.68	
2-1/2	2	73.02	60.32	88.9	3.05	2.77	5.16	3.91	
3	1	88.9	33.40	88.9	3.05	2.77	5.49	3.38	
3	1-1/4	88.9	42.16	88.9	3.05	2.77	5.49	3.56	
3	1-1/2	88.9	48.26	88.9	3.05	2.77	5.49	3.68	
3	2	88.9	60.32	88.9	3.05	2.77	5.49	3.91	
3	2-1/2	88.9	73.02	88.9	3.05	3.05	5.49	5.16	
4	1-1/2	114.3	48.26	101.6	3.05	2.77	6.02	3.68	
4	2	114.3	60.32	101.6	3.05	2.77	6.02	3.91	
4	2-1/2	114.3	73.02	101.6	3.05	3.05	6.02	5.16	
4	3	114.3	88.90	101.6	3.05	3.05	6.02	5.49	
5	2	141.3	60.32	127	3.40	2.77	6.55	3.91	
5	2-1/2	141.3	73.02	127	3.40	3.05	6.55	5.16	
5	3	141.3	88.90	127	3.40	3.05	6.55	5.49	
5	4	141.3	114.3	127	3.40	3.05	6.55	6.02	
6	2-1/2	168.3	73.02	139.7	3.40	3.05	7.11	5.16	
6	3	168.3	88.90	139.7	3.40	3.05	7.11	5.49	
6	4	168.3	114.3	139.7	3.40	3.05	7.11	6.02	
6	5	168.3	141.3	139.7	3.40	3.40	7.11	6.55	
8	6	219.1	168.3	152.4	3.76	3.40	8.18	7.11	
10	8	273.1	219.1	177.8	4.19	3.76	9.27	8.18	
12	10	323.9	273.1	203.2	4.57	4.19	9.53	9.27	

RACCORDS ACIER A EXTREMITES FILETES PAS DU GAZ - SERIE 100 BAR

CARBON STEEL FITTINGS, BSP SCREWED ENDS - SERIES 100 BAR

- | | |
|--|--|
| <ul style="list-style-type: none"> • Matériau : acier • Finition : noir
[sur demande galvanisation à chaud ou galvanisation électrolytique] • Dimensions : 8/13 à 50/60 • Variante : série 250 bar | <ul style="list-style-type: none"> • Material : steel • Finishing : black phosphatized
[on request hot dip galvanised or electro-plated] • Dimensions : 1/4" to 2" • Alternate : class 250 bar |
|--|--|

	Coude 45° 45° elbow	7041			
	Coude 90° 90° elbow	7090		Coude 90° M/F 90° street elbow	7092
	Té égal Equal tee	7130		Croix Cross	7180
	Réduction F/F F/F reducing coupling	7240		Réduction hexagonale M/F Reducing bushing	7241
	Réduction hexagonale M/M Reducing hex. nipple	7245		Réduction F/M F/M reducing socket	7246
	Manchon F/F Socket	7270		Mamelon hexagonal M/M Hexagonal nipple	7280
	Bouchon à tête hex. mâle Hexagonal head plug	7290		Bouchon femelle Cap	7300
	Raccord union F/F F/F union taper seat	7340		Raccord union M/F M/F union taper seat	7341

RACCORDS ACIER A EXTREMITES FILETES NPT - SERIE 3000 LBS (210 BAR) **CARBON STEEL FITTINGS WITH SCREWED ENDS NPT - CLASS 3000 LBS (210 BAR)**



8041 NPT COUDE 45° 45° ELBOW			8090 NPT COUDE 90° 90° ELBOW			8092 NPT COUDE M/F STREET ELBOW			8130 NPT TE EGAL EQUAL TEE			8180 NPT CROIX CROSS		
DN	C (mm)	H (mm)	DN	A (mm)	H (mm)	DN	M (mm)	N (mm)	DN	A (mm)	H (mm)	DN	A (mm)	H (mm)
1/4	19	25	1/4	25	25	1/4	24.6	32	1/4	25	25	1/4	25	25
3/8	22	33	3/8	29	33	3/8	30	39	3/8	29	33	3/8	29	33
1/2	25	38	1/2	33	38	1/2	33.5	44	1/2	33	38	1/2	33	38
3/4	29	46	3/4	38	46	3/4	38	49	3/4	38	46	3/4	38	46
1	33	56	1	44	56	1	46.5	59	1	44	56	1	44	56
1-1/4	35	62	1-1/4	51	62	1-1/4	53	65	1-1/4	51	62	1-1/4	51	62
1-1/2	43	75	1-1/2	60	75	1-1/2	62	75	1-1/2	60	75	1-1/2	60	75
2	45	84	2	64	84	2	68	82.5	2	64	84	2	64	84

8240 NPT REDUCTION F/F REDUCING COUPLING			8241 NPT REDUCTION HEX. M/F M/F RED. BUSHING			8245 NPT REDUCTION HEX. M/M RED. HEX NIPPLE			8246 NPT REDUCTION F/M F/M REDUCING COUPLING			8270 NPT MANCHON F/F COUPLING			8271 NPT DEMI-MANCHON F/F HALF-COUPLING		
DN	D	L	DN	F	A	DN	H	L	DN	D	L	DN	D	L	DN	D	L
3/8 x 1/4	22	38	3/8 x 1/4	17.5	12.5	1/4 x 1/8	15	31	3/8 x 1/4	22	42	1/4	19	35	1/4	19	17.5
1/2 x 3/8	28	48	1/2 x 3/8	22	14.5	1/2 x 1/4	18	39	1/2 x 3/8	28	49	3/8	22	38	3/8	22	19
1/2 x 1/4	28	48	1/2 x 1/4	22	14.5	1/2 x 1/4	22	43	1/2 x 1/4	28	49	1/2	29	48	1/2	29	24
3/4 x 1/4	35	51	3/4 x 1/4	27	16	1/2 x 3/8	22	44	3/4 x 1/2	35	59	3/4	35	51	3/4	35	25.5
3/4 x 1/2	35	51	3/4 x 1/2	27	16	3/4 x 3/8	27	46	1 x 1/4	45	60	1	44	60	1	44	30
1 x 3/4	44	60	1 x 3/4	35	19	3/4 x 1/2	27	50	1 x 1/2	45	61	1-1/4	57	67	1-1/4	57	33.5
1 x 1/2	44	60	1 x 1/2	35	19	1 x 1/2	35	55	1 x 3/4	45	63	1-1/2	64	79	1-1/2	64	39.5
1 x 1/4	44	60	1 x 1/4	35	19	1 x 3/4	35	56	1 1/4 x 1	60	68	2	76	86	2	76	43
1 1/4 x 1	57	67	1 1/4 x 1	44.5	20.5	1 1/2 x 1/2	50	62	1 1/2 x 1/2	65	67						
1 1/2 x 1	64	79	1 1/2 x 1	51	20.5	1 1/2 x 3/4	50	63	1 1/2 x 3/4	65	67						
1 1/2 x 3/4	64	79	1 1/2 x 3/4	51	20.5	1 1/2 x 1	50	67	1 1/2 x 1	65	72						
1 1/2 x 1/2	64	79	1 1/2 x 1/2	51	20.5	2 x 1/2	62	65	2 x 1/2	76	70						
2 x 1/2	76	86	2 x 1/2	63.5	22	2 x 3/4	62	65	2 x 1	76	75						
2 x 1	76	86	2 x 1	63.5	22	2 x 1	62	70	2 1/2 x 2	95	92						
2 1/2 x 2	91	92	2 1/2 x 2	76	27	2 x 1 1/2	62	70	3 x 2	110	95						
3 x 2	108	108	3 x 2	89	28.5				4 x 2	140	100						
4 x 2	140	121	4 x 2	117.5	32				4 x 3	140	113						

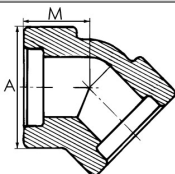
8280 NPT MAMELON HEX. M/M HEX. NIPPLE			8290 NPT BOUCHON TETE HEX. M HEX. HEAD PLUG			8300 NPT BOUCHON F CAP			8340 NPT RACCORD UNION F/F F/F UNION TAPER SEAT			8341 NPT RACCORD UNION M/F M/F UNION TAPER SEAT			SUR DEMANDE ON REQUEST		
DN	H	L	DN	A	F	DN	D	L	DN	Q	R	DN	Q	R			
1/4	15	36	1/4	11	16	1/4	19	25	1/4	42.5	36	1/4	61	32			
3/8	18	40	3/8	12.5	17.5	3/8	22	25	3/8	47.5	41	3/8	69	38			
1/2	22	48	1/2	14.5	22	1/2	29	32	1/2	52	46	1/2	75	46			
3/4	27	52	3/4	16	27	3/4	35	37	3/4	57	56	3/4	80	56			
1	35	60	1	19	35	1	44	41	1	63	65	1	90	65			
1-1/4	46	64	1-1/4	20.5	44.5	1-1/4	57	44	1-1/4	68	80	1-1/4	98	80			
1-1/2	50	68	1-1/2	20.5	51	1-1/2	64	44	1-1/2	78	88	1-1/2	100	88			
2	62	71	2	22	63.5	2	76	48	2	91	105	2	120	105			

- Coude union M/F
- Coude union F/F
- Raccord union M/M
- M/F union elbow
- F/F union elbow
- M/M union taper seat

RACCORDS ACIER A EXTREMITES A SOUDER SW - SERIE 3000 LBS (210 BAR) **CARBON STEEL FITTINGS WITH SOCKET WELDING ENDS - CLASS 3000 LBS (210 BAR)**

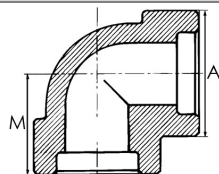


8041 SW
COUDE 45° F/F
45° ELBOW



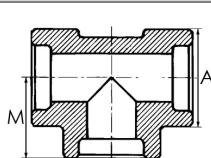
DN	A (mm)	M (mm)
1/4	22	19
3/8	25	19
1/2	31	23
3/4	36	27
1	45	28
1-1/4	55	31
1-1/2	60	35
2	75	42

8090 SW
COUDE 90° F/F
90° ELBOW



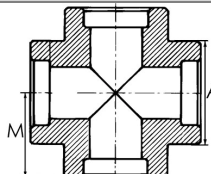
DN	A (mm)	M (mm)
1/4	22	22
3/8	25	25
1/2	31	27
3/4	36	34
1	45	36
1-1/4	55	41
1-1/2	60	46
2	75	56

8130 SW
TE EGAL
EQUAL TEE



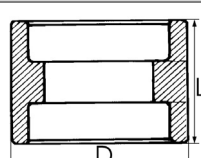
DN	A (mm)	M (mm)
1/4	22	22
3/8	25	25
1/2	31	27
3/4	36	34
1	45	36
1-1/4	55	41
1-1/2	60	46
2	75	56

8180 SW
CROIX
CROSS



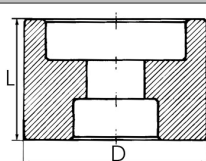
DN	A (mm)	M (mm)
1/4	22	22
3/8	25	25
1/2	31	27
3/4	36	34
1	45	36
1-1/4	55	41
1-1/2	60	46
2	75	56

8270 SW
MANCHON F/F
COUPLING



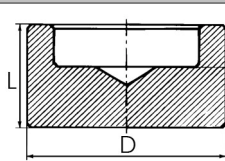
DN	D (mm)	L (mm)
1/4	22	26
3/8	25	26
1/2	31	29
3/4	36	34
1	45	37
1-1/4	55	38
1-1/2	60	38
2	75	51

8240 SW
REDUCTION F/F
REDUCING COUPLING



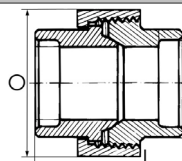
DN	D (mm)	L (mm)
1/4 x 1/8	-	-
3/8 x 1/4	25	25
1/2 x 1/4	31	29
1/2 x 3/8	31	29
3/4 x 1/4	36	35
3/4 x 3/8	36	35
3/4 x 1/2	36	35
1 x 1/2	45	38
1 x 3/4	45	38
1 1/4 x 3/4	55	38
1 1/4 x 1	55	38
1 1/2 x 1	60	38
1 1/2 x 1 1/4	60	38
2 x 1	-	-

8300 SW
BOUCHON FEMELLE
CAP



DN	D (mm)	L (mm)
1/4	22	15
3/8	26	17
1/2	32	19
3/4	38	23
1	45	26
1-1/4	55	28
1-1/2	65	30
2	75	36

8340 SW
RACCORD UNION F/F
F/F UNION TAPER SEAT



DN	L (mm)	O (mm)
1/4	42.5	36
3/8	47.5	47
1/2	52	47
3/4	57	56
1	63	65
1-1/4	70	78
1-1/2	78	86
2	89	103

Ces raccords sont exécutés selon les normes américaines ANSI B 16.11.1973 :

- soit avec filetage suivant la norme pour tube [NPT] ANSI B .2.1 ;
- soit avec des extrémités à souder [SW].

Matériau : acier au carbone (ASTM A 105)

Certificat de réception EN 10204 type 3.1 sur demande

Autres matières sur demande :

A 182, F 304 L, F 316 L, F 5, F 22, F 11, etc.

Variante : série 6000 lbs

(pression d'utilisation de 6000 lbs à 37,8°C)

These fittings are manufactured according to the American specifications ANSI B 16.11.1973 :

- either with the specified thread for piping [NPT] ANSI B.2.1 ;
- or with socket welding ends [SW].

Material : carbon steel (ASTM A 105)

Inspection certificate EN 10204 3.1 type on request

Other materials on request :

A 182, F 304 L, F 316 L, F 5, F 22, F 11, etc.

Alternate : class 6000 lbs

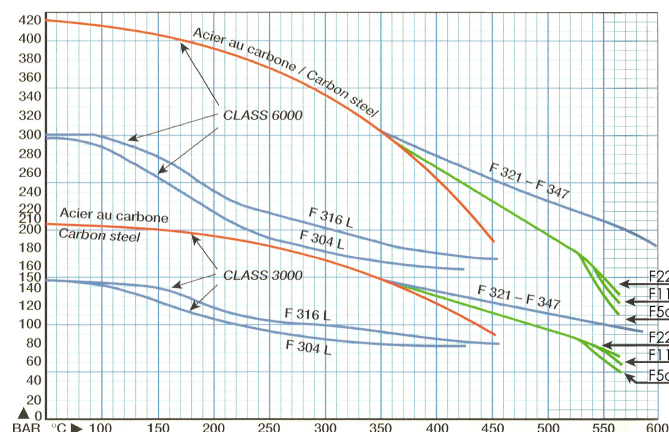
(working pressure : 6000 lbs at 37,8°C)

Pressions et températures de service suivant ASME B16.11

Pressure & temperature ratings according to ASME B16.11

- Acier au carbone A 48 CP - Carbon steel ASTM A 105
- Acier au carbone molybdène Z 10 CD 5-05 - Alloy steel ASTM A 182 F 5a
- Acier au chrome molybdène 10 CD 9-10 - Alloy steel ASTM A 182 F 22
- Acier au chrome molybdène 15 CD 4-05 - Alloy steel ASTM A 182 F 11
- Acier inoxydable Z 2 CN 18-10 - S. steel low carbon ASTM A 182 F 304 L
- Acier inoxydable Z 2 CN 17-12 - S. steel carbon ASTM A 182 F 316 L
- Acier inoxydable Z 6 CN Nb 18-10 - S. steel ASTM A 182 F 347
- Acier inoxydable Z 6 CNT 18-10 - S. steel ASTM A 182 F 321

Conditions de service valables pour travail sans coup de bélier
 Pressure ratings indicate non-shock working pressure of the fitting



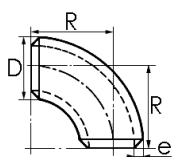
RACCORDS ACIER A SOUDER / FILETES CARBON STEEL BW / THREADED FITTINGS

COUDE A SOUDER 3D 90° - BW ELBOW

9503

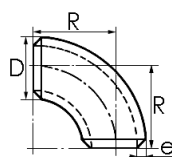
COUDE A SOUDER 5D 90° - BW ELBOW

9505



NFA 49 186 (≈ DIN 2605)

- Finition galva. sur demande
- Variantes coudes 2D 90°, 3D 45° et 3D 180°
- Galvanized finish on request
- 2D 90°, 3D 45° & 3D 180° types available



NFA 49 186 (≈ DIN 2606)

- Finition galva. sur demande
- Variantes coudes 5D 45° et 5D 180°
- Galvanized finish on request
- 5D 45° & 5D 180° types available

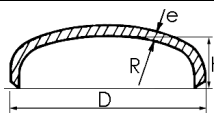
ØD (mm)	e (mm)	R (mm)	Poids (kg)	ØD (mm)	e (mm)	R (mm)	Poids (kg)	ØD (mm)	e (mm)	R (mm)	Poids (kg)	ØD (mm)	e (mm)	R (mm)	Poids (kg)
21.3	2.0	28	0.04	168.3	4.5	229	6.5	21.3	2.0	42.5	0.07	168.3	4.5	390	11.1
26.9	2.3	29	0.06	219.1	6.3	305	15.8	26.9	2.3	57.5	0.13	219.1	6.3	510	26.5
33.7	2.6	38	0.12	273	6.3	381	24.8	33.7	2.6	72.5	0.23	273	6.3	650	42.3
42.4	2.6	48	0.19	323.9	7.1	457	39.8	42.4	2.6	92.5	0.37	323.9	7.1	775	67.5
48.3	2.6	57	0.26	355.6	8.0	533	57.5	48.3	2.6	107.5	0.50	355.6	8.0	850	91.6
60.3	2.9	76	0.49	406.4	8.8	610	82.6	60.3	2.9	135	0.87	406.4	8.8	970	132.0
76.1	2.9	95	0.78	457.2	10	686	119	76.1	2.9	175	1.44	457.2	10	1122	194.0
88.9	3.2	114	1.22	508	11	762	161	88.9	3.2	205	2.18	508	11	1245	264.0
114.3	3.6	152	2.36	610	12.5	914	-	114.3	3.6	270	4.17	610	12.5	1525	-
139.7	4.0	190	4.0					139.7	4.0	330	6.94				

FOND EMBOUTI - CAP

9510

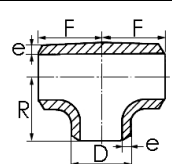
TE EGAL - EQUAL TEE

9515



NFA 49 185 (≈ DIN 2617)

- Pour tube en acier
- For steel tube



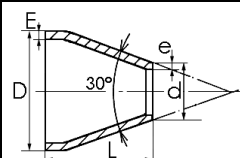
NFA 49 281 (≈ DIN 2615)

- Finition galva sur demande
- Galvanized finish on request

ØD (mm)	e (mm)	H (mm)	Poids (kg)	ØD (mm)	e (mm)	H (mm)	Poids (kg)	ØD (mm)	e (mm)	F (mm)	Poids (kg)	ØD (mm)	e (mm)	F (mm)	Poids (kg)
26.9	2.0	-	-	139.7	4.0	35.5	0.80	26.9	2.3	29	0.15	88.9	3.2	86	2.2
33.7	2.3	11	0.03	168.3	4.5	44.5	1.40	33.7	2.3	38	0.25	101.6	5.6	95	-
42.4	2.6	11	0.04	219.1	6.3	68.5	2.90	42.4	2.6	48	0.47	114.3	3.6	105	4.3
48.3	2.6	11.5	0.05	273.0	6.3	90	5.40	48.3	2.6	57	0.68	139.7	4.0	124	6.2
60.3	2.9	16.5	0.10	323.9	7.1	99	7.30	60.3	2.9	64	1.1	168.3	4.5	143	9.0
76.1	2.9	18.5	0.16	355.6	8.0	106	9.80	76.1	2.9	76	1.5	219.1	6.3	178	9.7
88.9	3.2	23.0	0.24	406.4	8.8	125	14.5								
114.3	3.6	26.0	0.42	419.0	10.0	128	17.0								

REDUCTION CONCENTRIQUE - CONCENTRIC REDUCER

9520



NFA 49 186
(≈ DIN 2616)

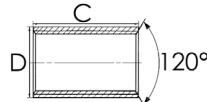
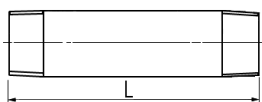
D x d (mm)	E x e (mm)	L (mm)	Pds (kg)	D x d (mm)	E x e (mm)	L (mm)	Pds (kg)
33.7 x 26.9	2.3 x 2.0	35	0.07	168.3 x 114.3	4.5 x 3.6	141	2.7
42.4 x 26.9	2.6 x 2.0	51	0.13	168.3 x 139.7	4.5 x 4.0	94	-
42.4 x 33.7	2.6 x 2.3	39	0.10	219.1 x 114.3	5.9 x 3.6	210	6.6
48.3 x 26.9	2.6 x 2.0	67	0.19	219.1 x 139.7	5.9 x 4.0	170	-
48.3 x 33.7	2.6 x 2.3	55	0.16	219.1 x 168.3	5.9 x 4.5	130	4.1
48.3 x 42.4	2.6 x 2.6	38	0.11	273.0 x 168.3	6.3 x 4.5	220	9.1
60.3 x 33.7	2.9 x 2.3	77	0.33	273.0 x 219.1	6.3 x 5.9	130	5.4
60.3 x 42.4	2.9 x 2.6	61	0.26	323.9 x 219.1	7.1 x 5.9	215	11.8
60.3 x 48.3	2.9 x 2.6	50	0.21	323.9 x 273	7.1 x 6.3	130	7.1
				355.6 x 168.3	8.0 x 4.5	335	23.0
				355.6 x 219.1	8.0 x 5.9	255	17.5
				355.6 x 273	8.0 x 6.3	175	12.0
				406.4 x 219.1	8.8 x 5.9	330	28.3
				406.4 x 273	8.8 x 6.3	250	21.5
				406.4 x 323.9	8.8 x 7.1	175	15.0

BOBINE ACIER (Filetée) BARREL NIPPLES (THREADED)

9530

MANCHON ACIER (Fileté) COUPLING (THREADED)

9533



NFA 49-190

Référence :	9530 - 100	9530 - 150	9530 - 200	DN	Ø ext. tube	D (mm)	C (mm)
DN	Ø ext. tube	L = 100 mm	L = 150 mm	L = 200 mm			
08 / 13	13.5	x	x	x	05 / 10	10.2	17
12 / 17	17.2	x	x	x	08 / 13	13.5	25
15 / 21	21.3	x	x	x	12 / 17	17.2	26
20 / 27	26.9	x	x	x	15 / 21	21.3	34
26 / 34	33.7	x	x	x	20 / 27	26.9	36
33 / 42	42.4	x	x	x	26 / 34	33.7	43
40 / 49	48.3	x	x	x	33 / 42	42.4	48
50 / 60	60.3	x	x	x	40 / 49	48.3	48
66 / 76	76.1	x	x	x	50 / 60	60.3	56
80 / 90	88.9	x	x	x	66 / 76	76.1	65
102 / 114	114.3	x	x	x	80 / 90	88.9	71
					102 / 114	114.3	83

RACCORDS ACIER A SOUDER - ASME B 16.9 CARBON STEEL BW FITTINGS - ASME B 16.9

9802 COUDES 45° LONG RAYON 45° LR ELBOWS	DN	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	
	D (mm)	21.3	26.7	33.5	42.2	48.3	60.4	73.1	88.9	101.6	114.3	141.2	
	A (mm)	38.1	28.6	38.1	47.6	57.1	76.2	95.2	114.3	133.4	152.4	190.5	
	STD	e (mm)	2.8	2.95	3.4	3.55	3.70	3.90	5.20	5.45	5.7	5.95	6.45
		Poids (kg)	0.04	0.04	0.11	0.17	0.23	0.37	0.74	1.10	1.49	1.95	3.31
	XS	e (mm)	3.65	3.95	4.55	4.85	5.10	5.55	7.10	7.60	8.15	8.50	9.50
		Poids (kg)	0.05	0.05	0.14	0.22	0.30	0.49	0.95	1.47	2.01	2.66	4.63
	DN	6	8	10	12	14	16	18	20	22	24	26	
	D (mm)	168.4	219.2	273.0	323.8	355.6	406.4	457.2	508.0	558.8	609.6	660	
	A (mm)	228.5	304.8	381.0	457.2	533.4	609.4	685.8	762.0	838.2	914.4	991	
STD	e (mm)	7.10	8.25	9.25	9.50	9.55	9.55	9.55	9.55	9.55	9.55	9.55	
	Poids (kg)	5.13	10.3	18.3	27.0	34.7	45.4	58.1	71.7	87.1	103.9	122.3	
XS	e (mm)	11.05	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	
	Poids (kg)	7.57	15.4	24.4	35.5	45.4	59.9	76.2	94.3	114.8	137.0	161.7	

9803 COUDES 90° LONG RAYON 90° LR ELBOWS	DN	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	
	D (mm)	21.3	26.7	33.5	42.2	48.3	60.4	73.1	88.9	101.6	114.3	141.2	
	A (mm)	38.1	28.6	38.1	47.6	57.1	76.2	95.2	114.3	133.4	152.4	190.5	
	STD	e (mm)	2.8	2.95	3.4	3.55	3.70	3.90	5.20	5.45	5.7	5.95	6.45
		Poids (kg)	0.08	0.08	0.15	0.26	0.38	0.68	1.33	2.08	2.92	3.95	6.67
	XS	e (mm)	3.65	3.95	4.55	4.85	5.10	5.55	7.10	7.60	8.15	8.50	9.50
		Poids (kg)	0.10	0.10	0.195	0.34	0.481	0.907	1.73	2.78	3.96	5.40	9.34
	DN	6	8	10	12	14	16	18	20	22	24	26	
	D (mm)	168.4	219.2	273.0	323.8	355.6	406.4	457.2	508.0	558.8	609.6	660	
	A (mm)	228.5	304.8	381.0	457.2	533.4	609.4	685.8	762.0	838.2	914.4	991	
STD	e (mm)	7.10	8.25	9.25	9.50	9.55	9.55	9.55	9.55	9.55	9.55	9.55	
	Poids (kg)	10.4	20.9	37.0	54.0	69.9	91.2	116.1	143.8	174.6	207.7	244.5	
XS	e (mm)	11.05	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	
	Poids (kg)	15.5	31.3	49.4	71.2	91.6	120.2	153.3	190.1	230.4	274.9	323.4	

9804 COUDES 180° COURT RAYON 180° SR ELBOWS	DN			1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	
	D (mm)			33.5	42.2	48.3	60.4	73.1	88.9	101.6	114.3	141.2	
	O (mm)			50.8	63.5	76.2	101.6	127.0	152.4	177.8	203.2	254.0	
	STD	e (mm)			3.4	3.55	3.70	3.90	5.20	5.45	5.7	5.95	6.45
		Poids (kg)			0.21	0.35	0.50	0.90	1.78	2.78	3.90	5.26	8.94
	XS	e (mm)			-	-	5.10	5.55	7.10	7.60	8.15	8.50	9.50
		Poids (kg)			-	-	0.66	1.23	2.32	3.72	5.31	7.30	12.6
	DN	6	8	10	12	14	16	18	20	22	24		
	D (mm)	168.4	219.2	273.0	323.8	355.6	406.4	457.2	508.0	558.8	609.6		
	O (mm)	304.8	406.4	508.0	609.6	711.2	812.8	914.4	1016.0	-	1219.2		
STD	e (mm)	7.10	8.25	9.25	9.50	9.55	9.55	9.55	9.55	-	9.55		
	Poids (kg)	13.9	27.9	49.4	72.6	93.0	122.5	155.1	192.3	-	277.6		
XS	e (mm)	11.05	12.70	12.70	12.70	12.70	12.70	12.70	12.70	-	12.70		
	Poids (kg)	20.7	42.0	66.7	95.3	122.9	161.0	204.6	254.0	-	367.4		

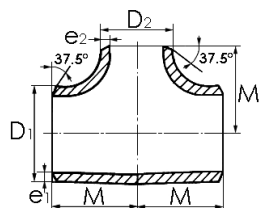
9810 FONDS CAPS	DN	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	
	D (mm)	21.3	26.7	33.5	42.2	48.3	60.4	73.1	88.9	101.6	114.3	141.2	
	H (mm)	25.4	31.7	38.1	38.1	38.1	38.1	38.1	50.8	63.5	63.5	76.2	
	R (mm)	13.7	18.3	23.4	34.3	35.8	46.0	54.6	68.3	79.0	89.4	112.3	
	STD	e (mm)	2.8	2.95	3.4	3.55	3.70	3.90	5.20	5.45	5.7	5.95	6.45
		Poids (kg)	0.032	0.059	0.1	0.14	0.17	0.23	0.37	0.64	0.96	1.16	1.91
	XS	e (mm)	3.65	3.95	4.55	4.85	5.10	5.55	7.10	7.60	8.15	8.50	9.50
		Poids (kg)	0.041	0.073	0.13	0.18	0.22	0.30	0.46	0.84	1.28	1.55	2.61
	DN	6	8	10	12	14	16	18	20	22	24	26	
	D (mm)	168.4	219.2	273.0	323.8	355.6	406.4	457.2	508.0	558.8	609.6	660	
H (mm)	88.9	101.6	127.0	152.4	165.1	177.8	203.2	228.6	254.0	266.7	266.7		
R (mm)	134.9	177.3	222.8	266.7	294.6	338.8	383.0	427.7	472.4	516.6	-		
STD	e (mm)	7.10	8.25	9.25	9.50	9.55	9.55	9.55	9.55	9.55	9.55	9.55	
	Poids (kg)	2.91	5.13	9.08	13.4	16.0	20.1	25.9	32.5	39.3	46.3	-	
XS	e (mm)	11.05	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	
	Poids (kg)	4.19	7.40	11.9	17.3	20.8	26.1	33.9	42.6	52.2	60.8	66	

9815 TES EGAUX STRAIGHT TEES	DN	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	
	D (mm)	21.3	26.7	33.5	42.2	48.3	60.4	73.1	88.9	101.6	114.3	141.2	
	M (mm)	38.1	28.6	38.1	47.6	57.1	76.2	95.2	114.3	133.4	152.4	190.5	
	STD	e (mm)	2.8	2.95	3.4	3.55	3.70	3.90	5.20	5.45	5.7	5.95	6.45
		Poids (kg)	0.04	0.04	0.11	0.17	0.23	0.37	0.74	1.10	1.49	1.95	3.31
	XS	e (mm)	3.65	3.95	4.55	4.85	5.10	5.55	7.10	7.60	8.15	8.50	9.50
		Poids (kg)	0.05	0.05	0.14	0.22	0.30	0.49	0.95	1.47	2.01	2.66	4.63
	DN	6	8	10	12	14	16	18	20	22	24		
	D (mm)	168.4	219.2	273.0	323.8	355.6	406.4	457.2	508.0	558.8	609.6		
	M (mm)	228.5	304.8	381.0	457.2	533.4	609.4	685.8	762.0	838.2	914.4		
STD	e (mm)	7.10	8.25	9.25	9.50	9.55	9.55	9.55	9.55	9.55	9.55	9.55	
	Poids (kg)	5.13	10.3	18.3	27.0	34.7	45.4	58.1	71.7	87.1	103.9		
XS	e (mm)	11.05	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	
	Poids (kg)	7.57	15.4	24.4	35.5	45.4	59.9	76.2	94.3	114.8	137.0		

RACCORDS A SOUDER PETROLE EN ACIER - ASME B 16.9 CARBON STEEL BW FITTINGS - ASME B 16.9

TES REDUITS - REDUCING OUTLET TEES

9816



DN		1/2 x 1/4	1/2 x 3/8	3/4 x 3/8	3/4 x 1/2	1 x 3/8	1 x 1/2	1 x 3/4	1 1/4 x 1/2	1 1/4 x 3/4	1 1/4 x 1
D ₁ (mm)		21.3	21.3	26.7	26.7	33.5	33.5	33.5	42.2	42.2	42.2
D ₂ (mm)		13.7	17.1	17.1	21.3	17.1	21.3	26.7	21.3	26.7	33.5
M (mm)		25.4	25.4	28.6	28.6	38.1	38.1	38.1	47.6	47.6	47.6
STD	e ₁ (mm)	2.80	2.80	2.95	2.95	3.40	3.4	3.40	3.55	3.55	3.55
	e ₂ (mm)	2.25	2.30	2.30	2.80	2.30	2.80	2.95	2.80	2.95	3.40
	Poids (kg)	0.10	0.10	0.15	0.15	0.29	0.29	0.30	0.50	0.50	0.53
	Poids (kg)	3.65	3.65	3.95	3.95	4.55	4.55	4.55	4.85	4.85	4.85
XS	e ₁ (mm)	3.00	3.18	3.18	3.65	3.18	3.65	3.95	3.65	3.95	4.55
	e ₂ (mm)	3.00	3.18	3.18	3.65	3.18	3.65	3.95	3.65	3.95	4.55
	Poids (kg)	0.12	0.13	0.19	0.19	0.36	0.36	0.36	0.62	0.63	0.66

DN		1 1/2 x 1/2	1 1/2 x 3/4	1 1/2 x 1	1 1/2 x 1 1/4	2 x 3/4	2 x 1	2 x 1 1/4	2 x 1 1/2	2 1/2 x 1	2 1/2 x 1 1/4	2 1/2 x 1 1/2	2 1/2 x 2	3 x 1	3 x 1 1/4	3 x 1 1/2
D ₁ (mm)		48.3	48.3	48.3	48.3	60.4	60.4	60.4	60.4	73.1	73.1	73.1	73.1	88.9	88.9	88.9
D ₂ (mm)		21.3	26.7	33.5	42.2	26.7	33.5	42.2	48.3	33.5	42.2	48.3	60.4	33.5	42.2	48.3
M (mm)		57.1	57.1	57.1	57.1	63.5	63.5	63.5	63.5	57.1	63.5	66.7	69.8	66.7	69.8	73.0
STD	e ₁ (mm)	3.70	3.70	3.70	3.70	3.90	3.90	3.90	3.90	5.20	5.20	5.20	5.20	5.45	5.45	5.45
	e ₂ (mm)	2.80	2.95	3.40	3.55	2.95	3.40	3.55	3.70	3.40	3.55	3.70	3.90	3.40	3.55	3.70
	Poids (kg)	0.73	0.73	0.76	0.80	1.09	1.12	1.16	1.21	1.96	1.99	2.04	2.08	2.85	2.88	2.92
	Poids (kg)	5.10	5.10	5.10	5.10	5.55	5.55	5.55	5.55	7.10	7.10	7.10	7.10	7.60	7.60	7.60
XS	e ₁ (mm)	5.10	5.10	5.10	5.10	5.55	5.55	5.55	5.55	7.10	7.10	7.10	7.10	7.60	7.60	7.60
	e ₂ (mm)	3.65	3.95	4.55	4.85	3.95	4.55	4.85	5.10	4.55	4.85	5.10	5.55	4.55	4.85	5.10
	Poids (kg)	0.92	0.92	0.95	1.00	1.41	1.44	1.48	1.54	2.48	2.51	2.57	2.61	3.68	3.71	3.76

DN		3 x 2	3 x 2 1/2	3 1/2 x 1 1/2	3 1/2 x 2	3 1/2 x 2 1/2	3 1/2 x 3	4 x 1 1/2	4 x 2	4 x 2 1/2	4 x 3	4 x 3 1/2	5 x 2	5 x 2 1/2	5 x 3	5 x 3 1/2
D ₁ (mm)		88.9	88.9	101.6	101.6	101.6	101.6	114.3	114.3	114.3	114.3	114.3	141.2	141.2	141.2	141.2
D ₂ (mm)		60.4	73.1	48.3	60.4	73.1	88.9	48.3	60.4	73.1	88.9	101.6	60.4	73.1	88.9	101.6
M (mm)		76.2	82.5	79.4	82.5	88.9	92.1	85.7	88.9	95.2	98.4	101.6	104.8	108.0	111.1	114.3
STD	e ₁ (mm)	5.45	5.45	5.70	5.70	5.70	5.70	5.95	5.95	5.95	5.95	5.95	6.45	6.45	6.45	6.45
	e ₂ (mm)	3.90	5.20	3.70	3.90	5.20	5.45	3.70	3.90	5.20	5.45	5.70	3.90	5.20	5.45	5.70
	Poids (kg)	2.95	3.09	3.85	3.85	3.99	4.09	4.94	4.99	4.13	5.17	5.26	7.80	7.89	7.98	8.07
	Poids (kg)	7.60	7.60	8.15	8.15	8.15	8.15	8.50	8.50	8.50	8.50	8.50	9.50	9.50	9.50	9.50
XS	e ₁ (mm)	5.55	7.10	5.10	5.55	7.10	7.60	5.10	5.55	7.10	7.60	8.15	5.55	7.10	7.60	8.15
	e ₂ (mm)	5.55	7.10	5.10	5.55	7.10	7.60	5.10	5.55	7.10	7.60	8.15	5.55	7.10	7.60	8.15
	Poids (kg)	3.79	3.90	5.03	5.08	5.22	5.31	6.53	6.58	6.67	6.80	6.94	10.6	10.7	10.75	10.8

DN		5 x 4	6 x 2 1/2	6 x 3	6 x 3 1/2	6 x 4	6 x 5	8 x 3	8 x 3 1/2	8 x 4	8 x 5	8 x 6	10 x 4	10 x 5	10 x 6	10 x 8
D ₁ (mm)		141.2	168.4	168.4	168.4	168.4	168.4	219.2	219.2	219.2	219.2	219.2	273.0	273.0	273.0	273.0
D ₂ (mm)		114.3	73.1	88.9	101.6	114.3	141.2	88.9	101.6	114.3	141.2	168.4	114.3	141.2	168.4	219.2
M (mm)		117.5	120.7	123.8	127.0	130.2	136.5	152.4	152.4	155.6	161.9	168.3	184.2	190.5	193.7	203.2
STD	e ₁ (mm)	6.45	7.10	7.10	7.10	7.1	7.10	8.25	8.25	8.25	8.25	8.25	9.25	9.25	9.25	9.25
	e ₂ (mm)	5.95	5.20	7.10	5.70	5.95	6.45	5.45	5.70	5.95	6.45	7.10	5.95	6.45	7.10	8.25
	Poids (kg)	8.21	11.7	11.7	11.8	11.9	12.1	21.6	21.6	21.7	21.8	22.1	36.8	36.9	37.1	37.6
	Poids (kg)	9.50	11.05	11.05	11.05	11.05	11.05	12.70	12.70	12.7	12.70	12.70	12.70	12.70	12.70	12.70
XS	e ₁ (mm)	9.50	11.05	11.05	11.05	11.05	11.05	12.70	12.70	12.7	12.70	12.70	12.70	12.70	12.70	12.70
	e ₂ (mm)	8.50	-	7.60	8.15	8.50	9.50	7.60	8.15	8.50	9.50	11.05	8.50	9.50	11.05	12.70
	Poids (kg)	11.0	16.7	16.7	16.8	16.9	17.1	31.3	31.3	31.4	31.5	31.9	48.1	48.1	49.0	49.4

DN		12 x 5	12 x 6	12 x 8	12 x 10	14 x 6	14 x 8	14 x 10	14 x 12	16 x 6	16 x 8	16 x 10	16 x 12	16 x 14	18 x 8	18 x 10
D ₁ (mm)		323.8	323.8	323.8	323.8	355.6	355.6	355.6	355.6	406.4	406.4	406.4	406.4	406.4	457.2	457.2
D ₂ (mm)		141.2	168.4	219.2	273.0	168.4	219.2	273.0	323.8	168.4	219.2	273.0	323.8	355.6	219.2	273.0
M (mm)		215.9	219.1	228.6	241.3	238.1	247.7	257.2	269.9	263.5	273.1	282.6	295.3	304.8	298.4	308.0
STD	e ₁ (mm)	9.50	9.50	9.50	9.50	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55
	e ₂ (mm)	6.45	7.10	8.25	9.25	7.10	8.25	9.25	9.50	7.10	8.25	9.25	9.50	9.55	8.25	9.25
	Poids (kg)	53.1	53.1	53.5	54.9	64.4	64.9	65.3	66.7	79.8	83.9	88.5	92.5	95.3	104.8	110.7
	Poids (kg)	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.7	12.70	12.70	12.70	12.70
XS	e ₁ (mm)	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
	e ₂ (mm)	9.50	11.05	12.70	12.70	11.05	12.70	12.70	12.70	11.05	12.70	12.70	12.70	12.70	12.70	12.70
	Poids (kg)	68.5	68.5	69.4	70.3	83.0	83.5	83.9	85.7	101.2	105.7	110.7	115.7	118.4	133.4	139.3

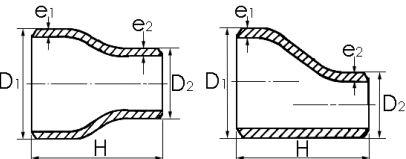
DN		18 x 12	18 x 14	18 x 16	20 x 8	20 x 10	20 x 12	20 x 14	20 x 16	20 x 18	24 x 10	24 x 12	24 x 14	24 x 16	24 x 18	24 x 20
D ₁ (mm)		457.2	457.2	457.2	508.0	508.0	508.0	508.0	508.0	508.0	609.6	609.6	609.6	609.6	609.6	609.6
D ₂ (mm)		323.8	355.6	406.4	219.2	273.0	323.8	355.6	406.4	457.2	273.0	323.8	406.4	406.4	457.2	508.0
M (mm)		320.7	330.2	330.2	323.8	333.4	346.1	355.6	355.6	368.3	384.2	396.9	406.4	406.4	419.1	431.8
STD	e ₁ (mm)	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55
	e ₂ (mm)	9.50	9.55	9.55	8.25	9.25	9.50	9.55	9.55	9.55	9.25	9.50	190.1	9.55	9.55	9.55
	Poids (kg)	115.2	118.2	122.0	127.9	133.8	139.7	143.3	149.2	155.1	178.7	185.5	190.1	196.4	205.5	205.5
	Poids (kg)	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
XS	e ₁ (mm)	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
	e ₂ (mm)	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
	Poids (kg)	-	148.8	152.4	163.7	170.6	176.9	181.0	187.3	193.7	227.7	235.0	240.0	246.8	255.8	260.8

RACCORDS A SOUDER PETROLE EN ACIER - ASME B 16.9

CARBON STEEL BW FITTINGS - ASME B 16.9

REDUCTIONS CONCENTRIQUES & EXCENTRIQUES - CONCENTRIC & ECCENTRIC REDUCERS

9820

				DN		3/4 x 3/8	3/4 x 1/2	1 x 3/8	1 x 1/2	1 x 3/4	1¼ x 1/2	1¼ x 3/4	1¼ x 1	1½ x 1/2	
				D ₁ (mm)		26.7	26.7	33.5	33.5	33.5	42.2	42.2	42.2	48.3	
				D ₂ (mm)		17.1	21.3	17.1	21.3	26.7	21.3	26.7	33.5	21.3	
				H (mm)		38.1	38.1	50.8	50.8	0.14	50.8	50.8	50.8	63.5	
				STD	e ₁ (mm)		2.95	2.95	3.40	3.40	3.40	3.55	3.55	3.55	3.70
					e ₂ (mm)		2.30	2.80	2.30	2.80	2.95	2.80	2.95	3.40	2.80
					Poids (kg)		0.09	0.09	0.14	0.14	0.17	0.19	0.20	0.20	0.20
XS	e ₁ (mm)		3.95	3.95	4.55	4.55	4.55	4.85	4.85	4.85	5.10				
	e ₂ (mm)		3.18	3.65	3.18	3.65	50.8	3.65	3.95	4.55	3.65				
	Poids (kg)		0.11	0.12	0.15	0.16	0.17	0.22	0.23	0.24	0.28				
DN		1½ x 3/4	1½ x 1	1½ x 1¼	2 x 3/4	2 x 1	2 x 1¼	2 x 1½	2½ x 1	2½ x 1¼	2½ x 1½	2½ x 2	3 x 1¼	3 x 1½	3 x 2
D ₁ (mm)		48.3	48.3	48.3	60.4	60.4	60.4	60.4	73.1	73.1	73.1	73.1	88.9	88.9	88.9
D ₂ (mm)		26.7	33.5	42.2	26.7	33.5	42.2	48.3	33.5	42.2	48.3	60.4	42.2	48.3	60.4
H (mm)		63.5	63.5	63.5	76.2	76.2	376.2	76.2	88.9	88.9	88.9	88.9	88.9	88.9	88.9
STD	e ₁ (mm)		3.70	3.70	3.70	3.90	3.90	3.90	3.920	5.20	5.20	5.20	5.20	5.45	5.45
	e ₂ (mm)		2.95	3.40	3.55	2.95	3.40	3.55	3.70	3.40	3.55	3.70	3.90	3.55	3.70
	Poids (kg)		0.22	0.24	0.26	0.33	0.37	0.39	0.41	0.59	0.67	0.68	0.73	0.77	0.86
XS	e ₁ (mm)		5.10	5.10	5.10	5.55	5.55	5.55	5.55	7.10	7.10	7.10	7.10	7.60	7.60
	e ₂ (mm)		3.95	4.55	4.85	3.95	4.55	4.85	5.10	4.55	4.85	5.10	5.55	4.85	5.10
	Poids (kg)		0.27	0.31	0.33	0.46	0.45	0.53	0.54	0.79	0.78	0.86	0.94	1.04	0.99
DN		3 x 2½	3½ x 1¼	3½ x 1½	3½ x 2	3½ x 2½	3½ x 3	4 x 1½	4 x 2	4 x 2½	4 x 3	4 x 3½	5 x 2	5 x 2½	5 x 3
D ₁ (mm)		88.9	101.6	101.6	101.6	101.6	101.6	114.3	114.3	114.3	114.3	114.3	141.2	141.2	141.2
D ₂ (mm)		73.1	42.2	48.3	60.4	73.1	88.9	48.3	60.4	73.1	88.9	101.6	60.4	73.1	88.9
H (mm)		88.9	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	127.0	127.0	127.0
STD	e ₁ (mm)		5.45	5.70	5.70	5.70	5.70	5.70	5.95	5.95	5.95	5.95	5.95	6.45	6.45
	e ₂ (mm)		5.20	3.55	3.70	3.90	5.20	5.45	3.70	3.90	5.20	4.45	5.70	3.90	5.20
	Poids (kg)		0.98	1.07	1.14	1.23	1.34	1.38	1.24	1.44	1.52	1.59	1.64	2.29	2.51
XS	e ₁ (mm)		7.60	8.15	8.15	8.15	8.15	8.11	8.50	8.50	8.50	8.50	8.50	9.50	9.50
	e ₂ (mm)		7.10	4.85	5.10	5.55	7.10	7.60	5.10	5.55	7.10	7.60	8.15	5.55	7.10
	Poids (kg)		1.29	1.49	1.43	1.61	1.75	1.85	1.73	1.78	2.01	2.13	2.21	3.00	3.30
DN		5 x 3½	5 x 4	6 x 2½	6 x 3	6 x 3½	6 x 4	6 x 5	8 x 3½	8 x 4	8 x 5	8 x 6	10 x 4	10 x 5	10 x 6
D ₁ (mm)		141.2	141.2	168.4	168.4	168.4	168.4	168.4	219.1	219.2	219.2	219.2	273.0	273.0	273.0
D ₂ (mm)		101.6	114.3	73.1	88.9	101.6	114.3	141.2	101.6	114.3	141.2	168.4	114.3	141.2	168.4
H (mm)		127.0	127.0	139.7	189.7	139.7	189.7	189.7	152.4	152.4	152.4	152.4	177.8	177.8	177.8
STD	e ₁ (mm)		6.45	6.45	7.10	7.10	7.10	7.10	8.25	8.25	8.25	8.25	9.25	9.25	9.25
	e ₂ (mm)		5.70	5.95	5.20	5.45	5.70	5.95	6.45	5.70	5.95	6.45	7.10	5.95	6.45
	Poids (kg)		2.66	2.72	3.45	3.63	8.69	8.72	8.98	5.81	5.95	6.08	6.31	9.58	9.90
XS	e ₁ (mm)		9.50	9.50	11.05	11.05	11.05	11.05	12.70	12.70	12.70	12.70	12.70	12.70	12.70
	e ₂ (mm)		8.15	8.50	7.10	7.60	8.15	8.50	9.90	8.15	8.50	9.50	11.05	8.50	9.50
	Poids (kg)		3.65	3.78	4.52	5.04	5.27	5.45	5.72	7.31	8.44	8.85	9.26	11.5	13.0
DN		10 x 8	12 x 5	12 x 6	12 x 8	12 x 10	14 x 6	14 x 8	14 x 10	14 x 12	16 x 8	16 x 10	16 x 12	16 x 14	18 x 10
D ₁ (mm)		273.0	323.8	323.8	323.8	323.8	355.6	355.6	355.6	355.6	406.4	406.4	406.4	406.4	457.2
D ₂ (mm)		219.2	141.2	168.4	219.2	273.0	168.4	219.2	273.0	323.8	219.2	273.0	323.8	355.6	273.0
H (mm)		177.8	203.2	203.2	203.2	203.2	130.2	330.2	330.2	330.2	355.6	355.6	355.6	355.6	381.0
STD	e ₁ (mm)		9.25	9.50	9.50	9.50	9.50	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55
	e ₂ (mm)		8.25	6.45	7.10	8.25	9.25	7.10	8.25	9.25	9.50	8.25	9.25	9.50	9.55
	Poids (kg)		10.5	13.8	14.1	14.6	15.2	25.3	26.0	27.4	28.8	31.9	33.1	34.3	35.2
XS	e ₁ (mm)		12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.7	12.7	12.7	12.7	12.7
	e ₂ (mm)		12.70	9.50	11.05	12.7	12.70	11.05	12.70	12.70	12.70	12.7	12.7	12.7	12.7
	Poids (kg)		14.2	17.7	18.4	17.0	19.8	33.7	34.9	36.1	37.7	42.6	43.7	45.0	46.3
DN		18 x 12	18 x 14	18 x 16	20 x 12	20 x 14	20 x 16	20 x 18	22 x 14	22 x 16	22 x 18	22 x 20	24 x 16	24 x 18	24 x 20
D ₁ (mm)		457.2	457.2	457.2	508.0	508.0	508.0	508.0	558.8	558.8	558.8	558.8	609.6	609.6	609.6
D ₂ (mm)		323.8	355.6	406.4	323.8	355.6	406.4	457.2	355.6	406.4	457.2	508.0	406.4	457.2	508.0
H (mm)		381.0	381.0	381.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0
STD	e ₁ (mm)		9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55
	e ₂ (mm)		9.50	9.55	9.55	9.50	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55
	Poids (kg)		40.5	41.3	42.7	60.8	61.3	62.6	64.5	67.2	68.5	69.9	71.3	72.6	74.0
XS	e ₁ (mm)		12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
	e ₂ (mm)		12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
	Poids (kg)		53.6	54.5	55.8	79.9	81.3	82.6	84.4	88.5	89.9	91.7	94.0	95.8	97.6

RACCORDS FONTE MALLEABLE FILETES PAS DU GAZ

MALLEABLE CAST IRON FITTINGS, BSP SCREWED ENDS

Utilisation : eau, gaz, air comprimé

Limites d'utilisation : 120°C / 25 bar, 300°C / 20 bar

Température : -20°C +300°C

Dimensions : 8/13 à 102/114

Filetage : mâle conique [R], femelle cylindrique [Rp] ISO 7-1

Traitement de surface : NOIR ou GALVANISE à chaud (la lettre "G" suit alors la référence à 4 chiffres.)

Ex. : réf. 9300 G = bouchon F. tête hexagonale, galvanisé

Autres raccords sur demande

Use : water, gas, compressed air

Max working conditions : 120°C / 25 bar, 300°C / 20 bar

Temperature range : -20°C + 300°C

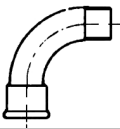
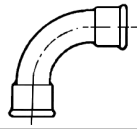
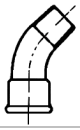
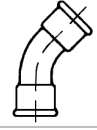
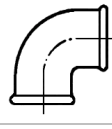
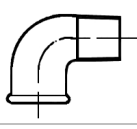
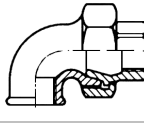
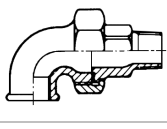
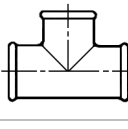
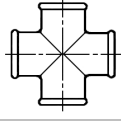
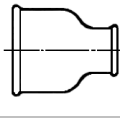
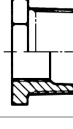
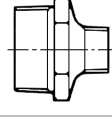
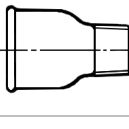
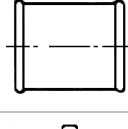
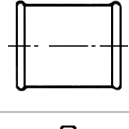
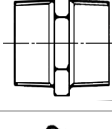
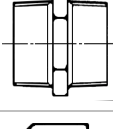
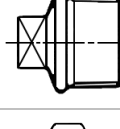
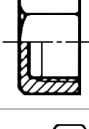
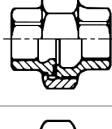
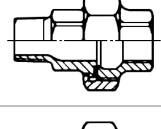
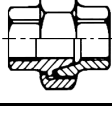
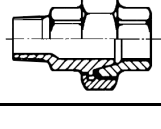
Range : 1/4" to 4"

Threads : taper external thread [R], parallel internal thread [Rp] according to ISO 7-1

Surface finish : BLACK or hot dip GALVANIZED (with letter "G" following the 4 digit reference)

Example : ref. 9300 G = galvanized F hexagonal cap

Other fittings on request

	Coude 90° grand rayon M/F 90° M/F long sweep bend	9001		Coude 90° grand rayon F/F 90° F/F long sweep bend	9002
	Coude 45° grand rayon M/F 45° M/F long sweep bend	9040		Coude 45° grand rayon F/F 45° F/F long sweep bend	9041
	Coude 90° F/F 90° F/F elbow	9090		Coude 90° M/F 90° M/F elbow	9092
	Coude union joint conique F/F F/F union elbow taper seat	9096		Coude union joint conique M/F M/F union elbow taper seat	9098
	Té égal F/F/F Equal tee	9130		Croix Cross	9180
	Réduction F/F Reducing socket	9240		Réduction M/F Bushing	9241
	Réduction M/M Reducing nipple	9245		Réduction F/M F/M reducing socket	9246
	Manchon F/F Socket	9270		Manchon filetage à droite et à gauche Socket right and left hand thread	9271
	Mamelon 6 pans filetage DD M/M Hexagon nipple	9280		Mamelon 6 pans filetage DG M/M Nipple right and left hand thread	9281
	Bouchon tête carrée M Square head plug	9290		Bouchon 6 pans F Hexagon cap	9300
	Raccord union joint plat F/F F/F union flat seat	9330		Raccord union M/F joint plat M/F union with flat seat	9331
	Raccord union joint conique F/F F/F union taper seat	9340		Raccord union joint conique M/F M/F union taper seat	9341

RACCORDS EXPRESS EXPRESS QUICK COUPLINGS

Selon norme NFE 29-573

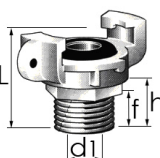
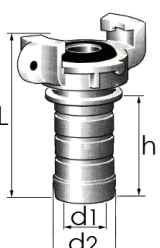
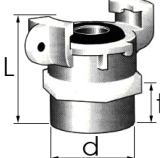
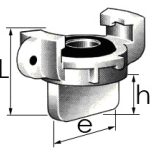
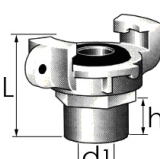
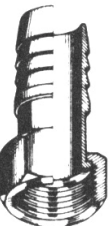
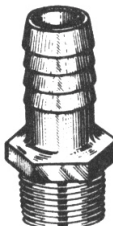
According to NFE 29-573

Construction standard : laiton

Standard execution : brass

Variante sur demande : inox (suivant norme NF A 35-572)

Alternate on request : stainless steel (according to NF A 35-572)

DEMI-RACCORD À DOUILLE FILETÉE MALE (PAS DU GAZ SELON NFE 03-005) <i>Half-coupling BSP M thread</i>						DEMI-RACCORD À COLLERETTE, À DOUILLE ANNELÉE <i>Half-coupling grooved shank, with collar</i>					
											
DEMI-RACCORD A DOUILLE FILETEE FEMELLE (PAS DU GAZ SELON NFE 03-005) <i>Half-coupling BSP F thread</i>						BOUCHON EXPRESS AVEC CHAÎNE OU CÂBLE INOX <i>Express plug with chain or s. steel cable</i>					
											
DEMI-RACCORD A DOUILLE A SOUDER <i>Half-coupling with welding end</i>						JOINT CAOUTCHOUC POUR RACCORD EXPRESS <i>Gasket for express quick coupling</i>					
											
ADAPTATEUR ECROU TOURNANT FEMELLE - CANNELE <i>Brass hex. hose tail with swivel nut BSP F</i>						ADAPTATEUR HEXAGONAL MALE - CANNELE <i>Brass hex. hose tail BSP M</i>					
											

Matière : laiton

Matière : laiton

RACCORDS A CAMES

CAM-LOCK TYPE QUICK COUPLINGS

2548

Conforme à la "Military specification : MIL-C-27 487"

① Filet mâle **BSPT** (pas du gaz conique selon NFE 03-004)② Filet femelle **BSPP** (pas du gaz cylindrique selon NFE 03-004)**Matière** : inox 316 - réf. **2548**Variante aluminium : réf. **25480** / bronze : réf. **25481****Joint standard** : BUNA (Ts = 60°C)

(sur demande : EPDM, PTFE, Viton®)

Conformity to "Military specification : MIL-C-27 487"

① BSPT male thread (conical thread according to NFE 03-004)

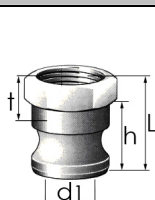
② BSPP female thread (parallel thread according to NFE 03-004)

Material : AISI 316 - ref. 2548

Alternate : aluminium, ref. 25480 / bronze, ref. 25481

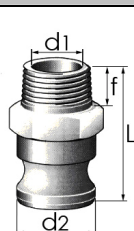
Standard seal : BUNA (max. T° = 60°C)

(on request : EPDM, PTFE, Viton®)

ADAPTATEUR FEMELLE - FEMALE ADAPTOR**A**

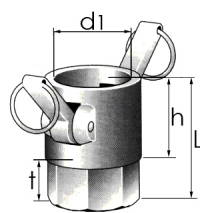
②

DN	d1 (mm)	h (mm)	t (mm)	L (mm)
1/2	15	25	12.5	31
3/4	20	26.5	17	37
1	24	33.5	22	46
1-1/4	30	40	22	54
1-1/2	37	41	25	55
2	44	48.5	25	61
2-1/2	73	51	31	70
3	95	54	35	79
4	150	58	-	75

ADAPTATEUR MÂLE - MALE ADAPTOR**F**

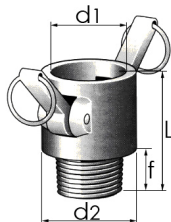
①

DN	d1 (mm)	d2 (mm)	f (mm)	L (mm)
1/2	15	24	13	44
3/4	20	32	16	53
1	24	36.7	19	65
1-1/4	30	45.5	20	74
1-1/2	37	53.3	22	77
2	44	63	25	86
2-1/2	73	91.5	32	102
3	95	119.6	43	123
4	150	176	-	-

COUPLEUR FEMELLE - FEMALE COUPLER**D**

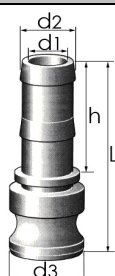
②

DN	d1 (mm)	h (mm)	t (mm)	L (mm)
1/2	24.4	28.5	17	45.5
3/4	32.4	33	17	50
1	37.2	40	20	60
1-1/4	46	44	22	66
1-1/2	54.5	47.5	22	69.5
2	63.7	52	26	73
2-1/2	92.2	59	35	96
3	120.2	63	31	92
4	176.5	68	-	-

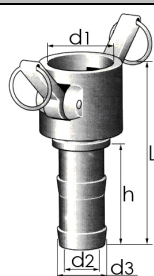
COUPLEUR MÂLE - MALE COUPLER**B**

①

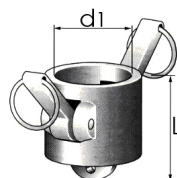
DN	d1 (mm)	d2 (mm)	f (mm)	L (mm)
1/2	24.4	32	15	45.5
3/4	32.4	41	15	50
1	37.2	46	19	60
1-1/4	46	57	20	66
1-1/2	54.5	65.5	20	69
2	63.7	74.7	22	77
2-1/2	92.2	104	27	89
3	120.2	138	29	92
4	176.5	-	-	-

ADAPTATEUR CANNELE - HOSETAIL ADAPTOR**E**

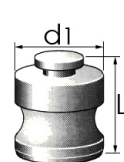
DN	d1 (mm)	d2 (mm)	d3 (mm)	h (mm)	L (mm)
1/2	8	15	24	35	60
3/4	14	21	32	61	100
1	20.4	27.6	36.7	52	92
1-1/4	24.3	34.3	45.5	73	129
1-1/2	30	40.5	53.3	61	116
2	42.4	53.5	63	69	118
2-1/2	69	79.4	91.5	104	171
3	91	104	119.6	106	182
4	140	156	176	172	247

COUPLEUR CANNELE - HOSETAIL COUPLER**C**

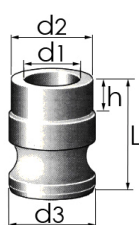
DN	d1 (mm)	d2 (mm)	d3 (mm)	h (mm)	L (mm)
1/2	24.4	9.5	15.5	43	77.5
3/4	32.4	14	21.4	46.6	87
1	37.2	19.5	27.4	57	104
1-1/4	46	25	34.1	59	111
1-1/2	54.5	31	40	54	111
2	63.7	44	53.2	69	129
2-1/2	92.2	69	79.4	104	172
3	120.2	91	104	106	172
4	176.5	140	156	172	240

BOUCHON FEMELLE - FEMALE DUST CAP**DC**

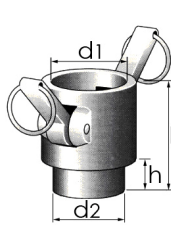
DN	d1 (mm)	L (mm)
1/2	24.4	40.5
3/4	32.4	45
1	37.2	51
1-1/4	46	56
1-1/2	54.5	59.5
2	63.7	64
2-1/2	92.2	73
3	120.2	76
4	176.5	80

BOUCHON MÂLE - MALE DUST PLUG**DP**

DN	d1 (mm)	L (mm)
1/2	24	32.5
3/4	32	34
1	36.7	43
1-1/4	45.5	50
1-1/2	53.3	53
2	63	60
2-1/2	91.5	65
3	119.6	66
4	176	74

ADAPTATEUR A SOUDER - ADAPTOR END TO WELD**AW**

DN	d1 (mm)	d2 (mm)	d3 (mm)	h (mm)	L (mm)
1/2	17	24	24	-	32.5
3/4	20	27	32	8	37
1	24	34.7	36.7	14.5	49
1-1/4	28	42	45.5	12	52
1-1/2	37	48	53.3	11.4	55
2	45.5	60	63	12	61
3	74	88.5	91.5	5	67
4	110	114.3	119.6	7	60
6	152	168.3	176	11	69

COUPLEUR A SOUDER - COUPLER END TO WELD**DW**

DN	d1 (mm)	d2 (mm)	h (mm)	L (mm)
1	37.2	34	19	60
1-1/4	46	42	20	66
1-1/2	54.5	48.3	22	69
2	63.7	60	22	77

DEMI-RACCORDS SYMETRIQUES GUILLEMIN

GUILLEMIN SYMETRICAL HALF-COUPPLINGS

Suivant norme NFE 29-572 - PN 16

Filetage selon NFE 03-005

Matériau : bronze ou alliage d'aluminium, ou inox 316 L (suivant norme NF A 35-572)

According to standard NFE 29-572 - PN 16

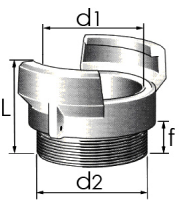
Thread according to NFE 03-005

Material : bronze or aluminium alloy, or stainless steel 316 L (according to NF A 35-572)

DEMI-RACCORD SANS VERROU, À BOURRELET, À DOUILLE FILETÉE MÂLE (boîte symétrique sans verrou mâle)

Half-coupling without locking ring, BSP M. thread

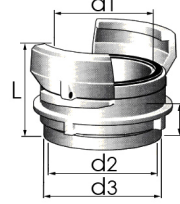
bze : 2500
alu : 2520
inox : 2540

	DN	d1 (mm)	d2 (mm)	f (mm)	L (mm)	Poids (kg)
	15	15	G 1/2	10	36	0.2
	20	19	G 3/4	10	42	0.25
	25	26	G 1	15	51	0.2
	32	28	G 1 1/4	17	52	0.4
	40	40	G 1 1/2	18	59	0.45
	50	56	G 2	18	66	0.6
	65	70	G 2	22	70	0.9
	65	64	G 2 1/2	28	76	0.9
	80	80	G 3	26	82	1.25
	100	100	G 4	33	100	2.0

DEMI-RACCORD AVEC VERROU, À DOUILLE FILETÉE FEMELLE (jonction symétrique à verrou femelle)

Half-coupling with locking ring, BSP F. thread

bze : 2503
alu : 2523
inox : 2543

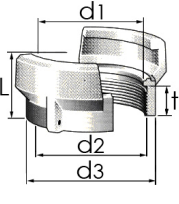
	DN	d1 (mm)	d2 (mm)	d3 (mm)	f* (mm)	L (mm)	Poids (kg)
	15	15	G 1/2	26	18	69	0.15
	20	19	G 3/4	32	16	73	0.4
	25	23	G 1	39	23	82	0.5
	32	28	G 1 1/4	48	20	82	0.5
	40	38	G 1 1/2	56	18	75	0.7
	50	48	G 2	64	20	72	0.8
	65	64	G 2 1/2	75	20	68	1.2
	80	80	G 3	95	27	82	1.1
	90	90	G 3	100	28	88	1.3
	100	98	G 4	117	31	85	1.9

* profondeur de taraudage

DEMI-RACCORD SANS VERROU, À BOURRELET, À DOUILLE FILETÉE FEMELLE (boîte symétrique sans verrou femelle)

Half-coupling without locking ring, BSP F thread

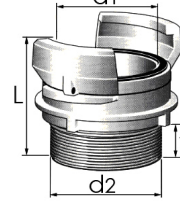
bze : 2501
alu : 2521
inox : 2541

	DN	d1 (mm)	d2 (mm)	d3 (mm)	f (mm)	L (mm)	Poids (kg)
	15	15	G 1/2	25	12	36	0.2
	20	23	G 3/4	33	20	47	0.15
	25	26	G 1	36	17	34	0.2
	32	32	G 1 1/4	48	17	52	0.3
	40	40	G 1 1/2	54	16	40	0.3
	50	50	G 2	68	18	47	0.35
	65	64	G 2 1/2	82	26	54	0.6
	80	80	G 3	101	24	56	0.9
	100	98	G 4	122	32	65	1.2

DEMI-RACCORD AVEC VERROU, À DOUILLE FILETÉE MÂLE (jonction symétrique à verrou mâle)

Half-coupling with locking ring, BSP M thread

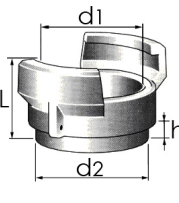
bze : 2502
alu : 2522
inox : 2542

	DN	d1 (mm)	d2 (mm)	f (mm)	L (mm)	Poids (kg)
	15	15	G 1/2	13	51	0.1
	20	19	G 3/4	14	57	0.2
	25	23	G 1	15	59	0.3
	32	28	G 1 1/4	18	70	0.2
	40	38	G 1 1/2	18	73	0.6
	50	48	G 2	22	87	1.0
	65	62	G 2 1/2	32	96	1.4
	80	80	G 3	27	102	1.6
	100	98	G 4	35	116	2.7

DEMI-RACCORD SANS VERROU, À BOURRELET, À DOUILLE À SOUDER (boîte symétrique sans verrou à souder)

Half-coupling without locking ring, with end to weld

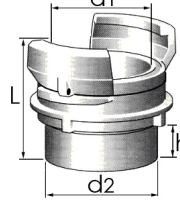
inox : 2541 W

	DN	d1 (mm)	d2 (mm)	h (mm)	L (mm)	Poids (kg)
	15	14	21	12	35	0.15
	20	19	27	12	53	0.2
	25	26	34	17	51	0.2
	32	32	42	17	52	0.3
	40	40	48	19	59	0.4
	50	56	60	20	66	0.6
	65	64	76	28	75	0.95
	80	82	89	14	70	1.1
	100	103	113	34	98	2.1

DEMI-RACCORD AVEC VERROU, À BOURRELET, À DOUILLE À SOUDER (jonction symétrique à verrou à souder)

Half-coupling with locking ring, with end to weld

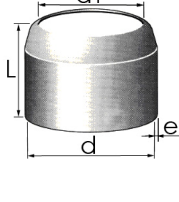
inox : 2543 W

	DN	d1 (mm)	d2 (mm)	h (mm)	L (mm)	Poids (kg)
	65	64	75	33	96	1.0
	80	80	89	27	102	1.8
	100	100	114	36	116	2.8

JUPE DE SERTISSAGE

Ferrule

bze : 2504
alu : 2524
inox : 2544

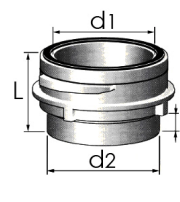
	DN	d (mm)	d1 (mm)	e (mm)	L (mm)
	25	42	27.5	1.5	42
	32	50	36.5	2	44
	40	56	43.5	2	52
	50	66	55	2	63
	65	85	68	2	73
	80	101	83.5	2	75
	80	104	83.5	2	75
	100	126	107	2	87
	100	130	107	2	87

* inox 304

DEMI-RACCORD SANS COQUILLE AVEC VERROU, À DOUILLE À SOUDER (jonction symétrique sans coquille à souder)

Half-coupling w. locking ring, w/o jaw, w. end to weld

bze : 2505
alu : 2525
inox : 2545

	DN	d1 (mm)	d2 (mm)	h (mm)	L (mm)	Poids (kg)
	80	80	89	12	61	1.0
	100	100	114	16	68	1.9

DEMI-RACCORDS SYMETRIQUES GUILLEMIN

GUILLEMIN SYMETRICAL HALF-COUPPLINGS

Joints de raccords : butadiène nitrile-acrylique (standard)

Variantes : nitrile blanc alimentaire, Viton®, PTFE, EPDM

Coupling gaskets : acrylic nitrile butadiene (standard)

Alternates : white nitrile for food appl., Viton®, PTFE, EPDM

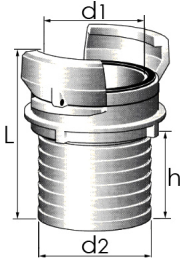
DEMI-RACCORD AVEC VERROU, À DOUILLE CRANTEE

Half-coupling with locking ring, ribbed shank

bze : 2506

alu : 2526

inox : 2546

	DN	d1 (mm)	d2 (mm)	h (mm)	L (mm)	Poids (kg)
	15	15	20	30	66	0.10
	20	19	25	32	76	0.20
	25	23	30	32	76	0.25
	32	28	35	33	78	0.30
	40	32	45	38	94	0.50
	50	48	55	52	118	0.90
	65	62	70	52	119	1.35
	80	80	90	70	142	2.10
	100	98	110	83	166	3.30

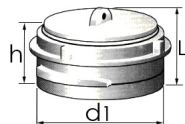
BOUCHON AVEC VERROU, ÀVEC CHAÎNETTE OU CÂBLE INOX

Plug with locking ring & chain

bze : 2507

alu : 2527

inox : 2547

	DN	d1 (mm)	h (mm)	L (mm)	Poids (kg)
	15	25	26	36	0.13
	20	31	32	44	0.17
	25	36	32	44	0.19
	32	41	33	45	0.25
	40	34	39	51	0.28
	50	68	42	54	0.44
	65	83	46	58	0.62
	80	101	51	63	0.84
	100	122	55	67	1.06

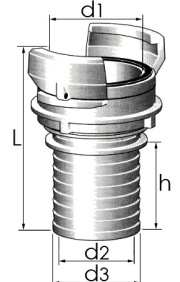
DEMI-RACCORD AVEC VERROU, A DOUILLE REDUITE

Half-coupling w. lock ring, w. reduced ribbed shank

bze : 2506 R

alu : 2526 R

inox : 2546 R

	DN	d1 (mm)	d2 (mm)	d3 (mm)	h (mm)	L (mm)	Poids (kg)
	40	38	30	40	38	94	0.6
	50	48	42	51	44	118	1.1
	65	65	57	65	51	129	1.3
	80	80	65	75	77	167	2.3
	100	100	88	100	75	173	3.3

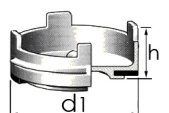
BOUCHON PLAT CADENASSABLE AVEC CHAÎNETTE OU CÂBLE INOX

Locking flat plug with chain

bze : 2508

alu : 2528

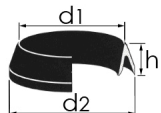
inox : 2528

	DN	d1 (mm)	h (mm)	Poids (kg)
	40	54	31	0.35
	80	101	42	0.66

JOINT POUR DOUILLE A SERTIR

Cramping seal

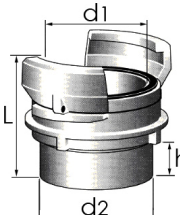
2509

	DN	d1 (mm)	d2 (mm)	h (mm)
	32	38	50	19
	40	45	56	18
	50	53	66	22
	65	68	83	24
	80	84	100	26
	100	107	123	30

DEMI-RACCORD AVEC VERROU, A DOUILLE A SOUDER

Half-coupling with locking ring, with end to weld

inox : 2546 W

	DN	d1 (mm)	d2 (mm)	h (mm)	L (mm)	Poids (kg)
	15	15	21	15	51	0.20
	20	19	26	15	57	0.30
	25	23	33	16	59	0.35
	32	28	33	11	55	0.35
	40	38	48	20	73	0.40
	50	48	60	24	87	0.90
	65	62	75	33	96	1.40
	80	80	89	27	102	1.80
	100	98	114	35	116	2.70

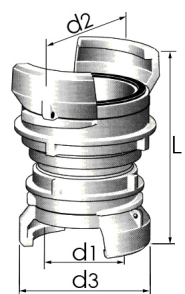
JONCTION BI-SYMETRIQUE AVEC VERROUS

Reduced coupling with locking rings

bze : 2510

alu : 2530

inox : 2530 I

	DN	d1 (mm)	d2 (mm)	d3 (mm)	L (mm)	Poids (kg)
	20/40	19	70	46	141	0.99
	25/40	23	70	42	102	1.10
	32/40	28	70	58	102	1.00
	40/50	38	88	70	122	1.54
	40/65	38	104	70	124	1.98
	40/80	38	126	70	145	1.87
	40/100	38	146	70	205	2.75
	50/65	48	104	88	125	2.42
	50/80	48	126	88	145	2.31
	50/100	48	146	88	230	3.19
	65/80	62	126	104	150	2.75
	65/100	62	146	104	225	3.63
	80/90	79	137	125	230	2.97
	80/100	79	146	125	183	3.85

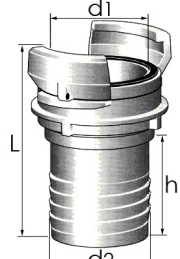
DEMI-RACCORD AVEC VÉROU, A DOUILLE HELICOIDALE

Half-coupling w. locking ring, helicoidal shank

bze : 2506 H

alu : 2526 H

inox : 2546 H

	DN	d1 (mm)	d2 (mm)	h (mm)	L (mm)	Poids (kg)
	25	24	28	50	94	0.32
	32	28	35.5	54	106	0.39
	40	38	43.5	60	115	0.63
	50	50	53.5	68	142	1.15
	65	63	67	80	155	1.60
	80	80	83.2	85	167	2.40
	80	96	106.5	101	198	3.60

EQUIPEMENT CONTRE L' INCENDIE FIRE-FIGHTING EQUIPMENT

ROBINET DE PRISE - LANDING VALVE

2511

Face simple
(standard)Face double
(variante)

- Robinet à volant de face simple
 - Construction standard bronze
- Raccordement :**
Entrée fileté gaz - Sortie symétrique
G 1" - SYM. DN 20
G 1-1/2" - SYM. DN 40
G 2-1/2" - SYM. DN 65

- Variantes :**
- construction aluminium
 - robinet à volant de face double

- Flywheel valve
- Standard bronze execution

Connection :
Male thread Inlet - Symmetric Outlet
BSP M 1" - SYM. DN 20
BSP M 1-1/2" - SYM. DN 40
BSP M 2-1/2" - SYM. DN 65

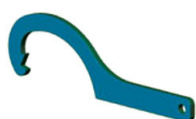
- Alternates :**
- aluminium execution
 - 2-way flywheel valve

CLE TRICOISE - SPANNER WRENCH

2512



réf. 2512 MM



réf. 2512 GM

- Réf. **2512 MM** :
Clé tricoise en acier,
revêtue de résine époxy
pour raccords DN 20 au DN 65
- Réf. **2512 GM** :
Clé tricoise en acier,
revêtue de résine époxy
pour raccords DN 20 au DN 100

- Ref. 2512 MM :
Carbon steel spanner wrench,
epoxy resin coated
for couplings DN 20 to DN 65
- Ref. 2512 GM :
Carbon steel spanner wrench,
epoxy resin coated
for couplings DN 20 to DN 100

R. I. A. : ROBINET D'INCENDIE ARME - HOSE REEL

2513



- Robinet d'Incendie Armé** composé de :
- Un dévidoir à alimentation axiale, à tambour tournant et pivotant avec robinet d'arrêt incorporé au support mural, et dont l'ouverture totale s'effectue en 2 tours et demi ;
 - Une longueur élémentaire de 20 ou 30 mètres de tuyau semi-rigide ;
 - Un robinet jet diffuseur ;
 - Une pancarte de signalisation et de mode d'emploi.

Produit conforme aux normes NF S 61 201, NF S 62 201, NF S 61 115 et à la règle R5 éditée par l'APSAD.

Produit bénéficiant également de la certification NF-A2P qui garantit sa conformité aux normes par un système d'assurance Qualité approprié.

- Hose reel composed of :**
- A hose reel drum mounted on 180° swinging arm. The total opening occurs in 2 and a half laps ;
 - 20 to 30 meters semi-rigid hose length ;
 - A nozzle ;
 - A warning sign indicates how to use.

Product conform to standards NF S 61 201, NF S 62 201, NF S 61 115 and to R5 rule edited by APSAD.

Also conforms to NF-A2P certification which guarantees compliance with the standards through an appropriate system of Quality assurance.

ROBINET JET DIFFUSEUR - NOZZLE

2514



Robinet jet diffuseur suivant NF S 61 820

- Robinet **DMA** :
à diffusion **en cône plein**
- Robinet **DMB** :
à diffusion **en nappe**

Construction :
alliage d'aluminium ou bronze

Nozzles acc. to standard NF S 61 820

- DMA nozzle :
straight stream
(Fog and shutoff model DHT is for electric fire)
- DMB nozzle :
flat steam and shutoff

Execution :
aluminium alloy or bronze

FUT DE LANCE - BRANCHPIPE

2514 L



Fût de lance d'incendie
suivant norme NF S 61 820

Construction :
alliage d'aluminium ou bronze

Branchpipe
according to standard NF S 61 820

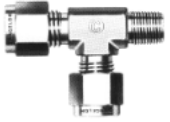
Execution :
aluminium alloy or bronze

RACCORDS DOUBLE BAGUE TUBE FITTINGS

2490

Matériau : inox 316 et laiton en standard
(inox 316 L, autres matériaux sur demande)
Disponible en métrique : 3 à 25 mm et "OD" (pouces) 1/16" à 1"
Filetage : pas du gaz conique en standard (NPT sur demande)
Désignation d'un raccord : réf. 2490 LF = coude femelle

Material : stainless steel 316
(brass, carbon steel or Monel™ on request)
For metric tube : Ø3, 6, 8, 10, 12, 14, 16, 18, 22, 24, 25
Screwing : BSP-T [Whitworth] (NPT on request)
Tube fitting description : ref. 2490 LF = elbow female

	AF	Adaptateur femelle <i>Adapter female</i>		AM	Adaptateur mâle réf. 2490 K <i>Adapter male</i>
	LF	Coude femelle <i>Elbow female</i>		LM	Coude mâle réf. 2490 H [NPT] - réf. 2490 J [Gaz] <i>Elbow male</i>
	LBW	Coude à souder <i>Elbow butt weld</i>		LU	Coude union réf. 2490 C <i>Elbow union</i>
	BCF	Raccord femelle avec traversée de cloison <i>Bulkhead adapter female</i>		BCM	Raccord mâle avec traversée de cloison <i>Bulkhead adapter male</i>
	BU	Union avec traversée de cloison <i>Bulkhead union</i>		BA	Adaptateur avec traversée de cloison <i>Bulkhead adapter</i>
	N	Ecrou <i>Nut</i>		P	Obturateur de raccord <i>Plug</i>
	C	Croix <i>Tube cross</i>		TFT	Té avec raccord femelle <i>Tee</i>
	CBW	Raccord à souder <i>Connector butt weld</i>		Ti	Insert <i>Tube insert</i>
	CF	Raccord femelle <i>Connector female</i> réf. 2490 F [NPT] - réf. 2490 G [Gaz]		CM	Raccord mâle <i>Connector male</i> réf. 2490 D [NPT] - réf. 2490 E [Gaz]
	TTF	Té raccord femelle <i>Tee</i>		TMF	Té avec raccord mâle <i>Tee</i>
	CP	Obturateur bout de tube <i>Cap</i>		PC	Embout <i>Port connector</i>
	FF FR	Ferrule avant - Front Ferrule arrière - Rear		TTT	Té union réf. 2490 B <i>All tube tee</i>
	R	Raccord avec réduction <i>Reducer</i>		U	Raccord union réf. 2490 A <i>Union</i>

RACCORDS PVC PRESSION PVC PRESSURE FITTINGS

Raccords en PVC

Température maxi. Ts : 60°C**Pression maxi. Ps :** 16 bar (à T°C ambiante)**Applications :** eau potable et liquides alimentaires suivant les prescriptions et normes en vigueur**Conformes aux normes :**

ISO 727, DIN 8063, NFT 54028, UNI 7442/75

PVC fittings

Max. temperature : 60°C

Max. pressure : 16 bar (at ambient T°C)

Applications : drinking water and food liquids according to regulations and standards in force

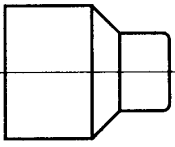
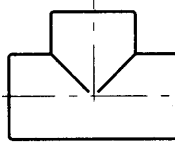
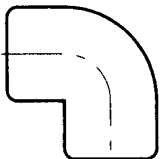
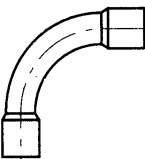
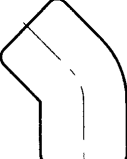
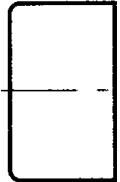
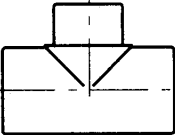
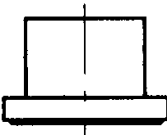
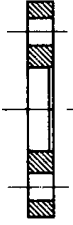
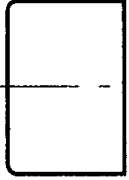
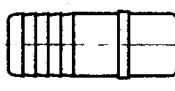
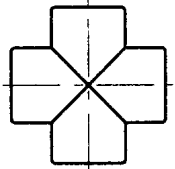
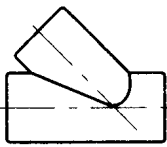
Conformity to standards :

ISO 727, DIN 8063, NFT 54028, UNI 7442/75

TABLEAU DE CONCORDANCE DIMENSIONNELLE - DIMENSIONAL CONCORDANCE TABLE

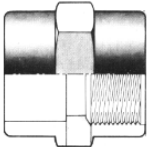
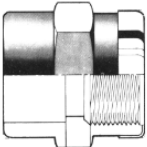
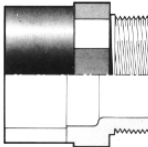
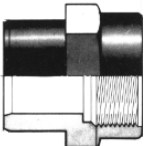
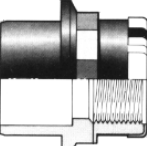
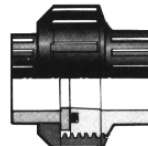
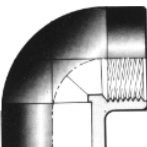
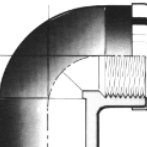
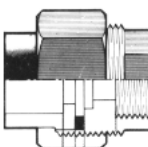
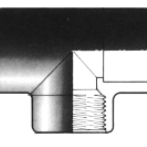
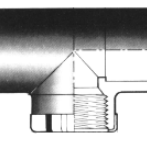
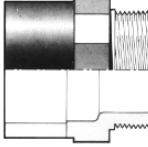
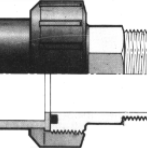
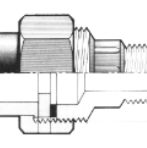
DN	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300
Ø ext.	16	20	25	32	40	50	63	75	90	110	140	160	225	250	315

RACCORDS PVC A COLLER - WELDING PVC FITTINGS

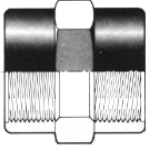
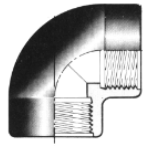
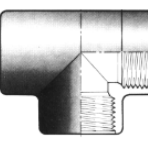
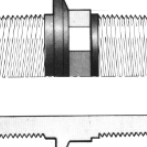
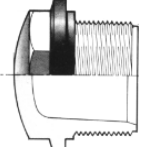
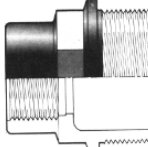
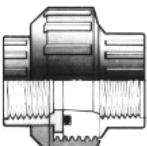
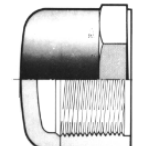
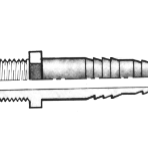
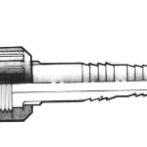
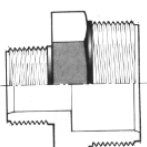
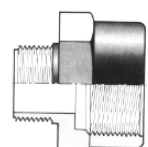
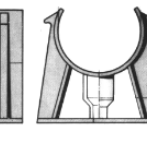
	Manchon <i>Socket</i>		Manchon réduit <i>Reduction</i>		Té à 90° <i>90° tee</i>
	Coude 90° <i>90° elbow</i>		Courbe 90° <i>90° bend</i>		Coude 45° <i>45° elbow</i>
	Mamelon intérieur <i>Reducing bush</i>		Té 90° réduit <i>90° reduced tee</i>		Collet / contre collet pour joint plat <i>Flange adaptor</i>
	Bride libre <i>Loose flange</i>		Bouchon femelle <i>Cap</i>		Douille <i>Hose adaptor</i>
	Manchon union avec O-ring en EPDM <i>Union with EPDM O-ring</i>		Croix femelle <i>Cross</i>		Té à 45° <i>45° tee</i>

RACCORDS PVC PRESSION PVC PRESSURE FITTINGS

RACCORDS PVC D'ADAPTATION - ADAPTOR PVC FITTINGS

	Manchon de passage <i>Double socket</i>		Manchon avec bague de renforcement inox <i>Double socket reinforced</i>		Embout d'adaptation (emboîtement femelle) <i>Double adaptor socket Female / Female</i>
	Manchon de réduction <i>Female thread adaptor</i>		Manchon de réduction avec bague de renforcement inox <i>Adaptor with F. thread and stainless steel ring</i>		Manchon union avec O-ring <i>Union with O-ring</i>
	Coude à 90° <i>90° elbow</i>		Coude 90° avec bague de renforcement inox <i>90° elbow with stainless steel ring</i>		Manchon union d'adaptation fonte malléable/PVC <i>Socket union cast iron/PVC</i>
	Té à 90° <i>90° tee</i>		Té à 90° avec bague de renforcement inox <i>90° tee with threaded central off-take and stainless steel ring</i>		Mamelon double (emboîtement Mâle) <i>Adaptor with M. threading</i>
	Union Femelle à coller Mâle fileté <i>Socket union union bush threaded spigot</i>		Union mixte PVC/fonte Mâle fonte fileté Femelle PVC à coller <i>Socket union nut & union bush : cast iron</i>		

RACCORDS PVC FILETES OU TARAUDES - THREADED PVC FITTINGS

	Manchon <i>Double socket</i>		Coude à 90° <i>90° elbow</i>		Té à 90° <i>90° tee</i>
	Mamelon double <i>Nipple</i>		Bouchon mâle <i>Male plug</i>		Manchon extérieur <i>Reducing piece M/F</i>
	Union 3 pièces avec O-ring EPDM <i>Socket union</i>		Bouchon femelle <i>End cap</i>		Douille filetée <i>Hose nozzle</i>
	Douille avec écrou taraudé et joint plat <i>Hose adaptor</i>		Mamelon réduit fileté <i>Reducing nipple</i>		Adaptation filetée M/F <i>Enlarging piece M/F</i>
	Clips de fixation <i>Pipe clips</i>				

ROBINETTERIE EN PVC

PVC VALVES

Température maxi. Ts : 60°C

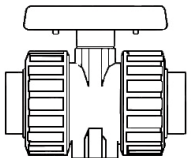
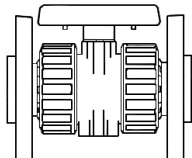
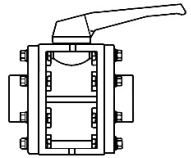
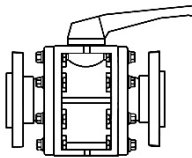
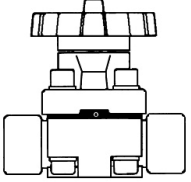
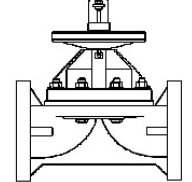
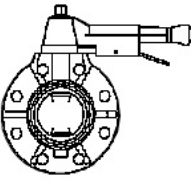
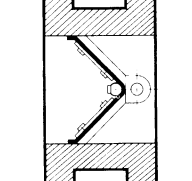
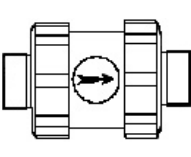
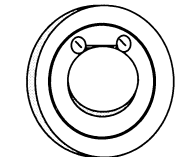
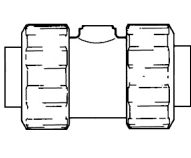
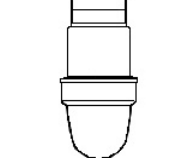
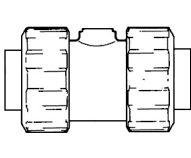
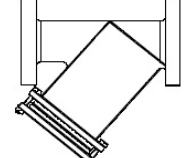
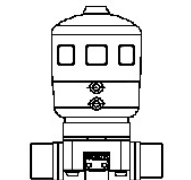
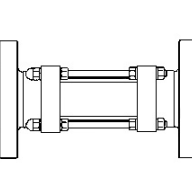
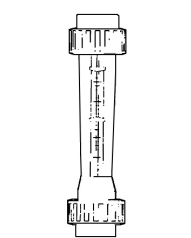
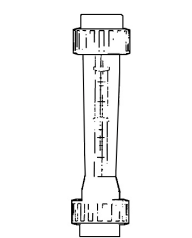
PN 16 (sauf articles marqués ▼ : PN 10)

Applications : eau potable et liquides alimentaires suivant les prescriptions et normes en vigueur

Max. temperature : 60°C

Nominal pressure : 16 (excepts ▼ : NP 10)

Applications : drinking water and food liquids according to the regulations and standards in force

	Robinet à bille « TRUE BLOCK » F. à coller - Joints EPDM ou FPM « TRUE BLOCK » ball valve Plain F. ends - EPDM or FPM seals		Robinet à bille « TRUE BLOCK » à brides PN 10/16 - Joints EPDM ou FPM « TRUE BLOCK » ball valve Flanges PN 10/16 - EPDM or FPM seals
	Robinet à bille ▼ F. à coller ou taraudé Joints EPDM ou FPM Ball valve ▼ Plain or threaded F. ends EPDM or FPM seals		Robinet à bille ▼ à brides PN 10/16 - Joints EPDM ou FPM Ball valve ▼ Flanges PN 10/16 - EPDM or FPM seals
	Vanne à membrane ▼ M. ou F. à coller - Membrane EPDM ou PTFE Diaphragm valve ▼ Plain M. or F. ends - EPDM or PTFE diaphragm		Vanne à membrane ▼ à brides PN 10/16 ou raccordement union Membrane EPDM ou PTFE Diaphragm valve ▼ Flanges PN 10/16 or unions EPDM or PTFE diaphragm
	Vanne à papillon Butterfly valve		Clapet de non retour type WAFER Joints EPDM ou FPM Wafer type check valve EPDM or FPM seals
	Clapet de retenue F. à coller - Joints EPDM ou FPM Check valve Plain F. ends for solvent welding EPDM or FPM seals		Clapet à battant type sandwich Swing check valve, wafer type
	Ventouse F. à coller - Joints EPDM ou FPM Air valve Plain F. ends - EPDM or FPM seals		Clapet de pied F. à coller - Joints EPDM ou FPM Filtering foot valve Plain F. ends - EPDM or FPM seals
	Filtre transparent avec tamis PVC F. à coller - Joints EPDM ou FPM PVC strainer Plain F. ends - EPDM or FPM seals		Filtre à tamis en "Y" F. à coller - Joints EPDM ou FPM "Y" type strainer Plain F. ends - EPDM or FPM seals
	Vanne à membrane à commande pneumatique M. à coller (membrane EPDM) Pneumatically actuated diaphragm valve Plain M. ends (EPDM diaphragm)		Contrôleur de circulation transparent F. à coller - Joints EPDM Transparent sight glass Plain F. ends - EPDM seals
	Débitmètre - Joints EPDM Trogramid • F. à coller - Flotteur PVC ou inox • F. taraudé - Flotteur inox Flowmeter - EPDM seals Trogramid • Plain F. ends - PVC or s. steel float • Threaded F. ends - s. steel float		Débitmètre - Joints FPM Polysulfone • F. à coller - Flotteur PVC ou inox • F. taraudé - Flotteur inox Flowmeter - FPM seals Polysulfon • Plain F. ends - PVC or s. steel float • Threaded F. ends - s. steel float

PRODUITS CONSOMMABLES CONSUMABLE PRODUCTS

RUBANS PTFE - PTFE SEALING TAPES

1717



Ruban PTFE pour l'étanchéité et la suppression du grippage sur tous types de filetages

PTFE sealing tape for male pipe thread

Température : -260°C +260°C
Tenue à la pression : 15 bar

Temperature : -260°C +260°C
Max. pressure : 15 bar

- Dimensions standard : réf. **1717.12 BL**
12 mm x 12 m x 0.075 mm
(préconisé pour Ø < 3/8")

- Standard dimensions : ref. 1717.12 BL
12 mm x 12 m x 0.075 mm
(Ø < 3/8")

- Epaisseur supérieure : réf. **1717.12 RO**
12 mm x 12 m x 0.1 mm
(préconisé pour Ø 3/8" à 1-1/4")

- Superior thickness : ref. 1717.12 RO
12 mm x 12 m x 0.1 mm
(Ø 3/8" to 1-1/4")

- Spécial gros diamètres (cache vert) :
19 mm x 15 m x 0.2 mm (Ø 1-1/2" à 2-1/2") :
réf. **1717.19 VE**
25 mm x 15 m x 0.2 mm (Ø > 2-1/2") :
réf. **1717.25 JA**

- Special large diameters :
19 mm x 15 m x 0.2 mm (Ø 1-1/2" to 2-1/2") :
ref. 1717.19 VE
25 mm x 15 m x 0.2 mm (Ø > 2-1/2") :
ref. 1717.25 JA

RUBAN PTFE SPECIAL GAZ & VAPEUR - PTFE SEALING TAPE SPECIAL GAS & STEAM

1717



Ruban PTFE pour filetage

PTFE sealing tape for male pipe thread

Température : -260°C +260°C

Temperature : -260°C +260°C

Spécial gaz et vapeur, haute densité (3 x standard)

Special gas and steam, high density (3 x standard)

- 12 mm x 30 m x 0.1 mm : réf. **1717.12 HD**
- 19 mm x 30 m x 0.1 mm : réf. **1717.19 HD**

- 12 mm x 30 m x 0.1 mm : ref. 1717.12 HD
- 19 mm x 30 m x 0.1 mm : ref. 1717.19 HD

RUBAN PTFE SPECIAL OXYGENE - PTFE SEALING TAPE SPECIAL OXYGEN

1717



Ruban PTFE pour filetage

PTFE sealing tape for male pipe thread

Température : -260°C +260°C

Temperature : -260°C +260°C

Spécial oxygène, haute densité (3 x standard)

Special gas and steam, high density (3 x standard)

Non oxydable, résistant à l'oxygène liquide ou gazeux

Non oxidizable, resistant to liquid or gaseous oxygen

- 12 mm x 30 m x 0.1 mm : réf. **1717.12 OX**
- 19 mm x 30 m x 0.1 mm : réf. **1717.19 OX**

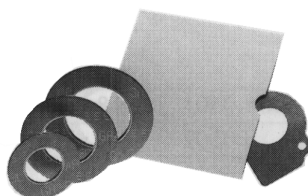
- 12 mm x 30 m x 0.1 mm : ref. 1717.12 OX
- 19 mm x 30 m x 0.1 mm : ref. 1717.19 OX

JOINTS ET AUTRES PRODUITS D'ETANCHEITE - GASKETS AND OTHER SEALING PRODUCTS

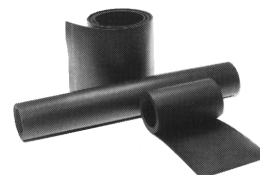
Tresses
Packing



Plaques et joints découpés
à base de fibres et élastomères
comprimés
Cut sheets and gaskets
made of fibers
and compressed elastomers



Feuilles élastomères
Elastomer sheets

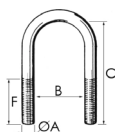


ETRIERS ET COLLIERS DE FIXATION ACIER OU INOX

C. OR S. STEEL PIPE "U" BOLTS AND PIPE HOLDERS

ETRIER ACIER - C. STEEL ROUND U-BOLT

1700



- Collier de serrage pour fixation de tube
- Livré avec 2 écrous

- Fastener for pipe fixing
- Delivered with 2 nuts

Acier bichromaté

Carbon steel with yellow zinc bichromate finish

Ø int. tube / inside pipe Ø	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/4	2-1/2	3	3-1/2	3-1/2
Ø ext. tube / outside pipe Ø (mm)	13	17	21	27	34	42	49	60	70	76	90	102	108
A (mm)	5	6	6	8	8	8	8	8	10	10	10	10	12
B (mm)	14	18	22	28	35	43	50	61	72	78	92	104	110
C (mm)	28	36	40	50	55	68	70	80	100	110	115	145	150
F (mm)	20	22	22	30	30	35	35	35	38	45	45	50	50
Poids / Weight (kg)	0.01	0.02	0.02	0.04	0.05	0.06	0.06	0.07	0.13	0.14	0.15	0.18	0.27

Ø int. tube / inside pipe Ø	4	4-3/4	5	5-1/2	6	7	8	10	12	14	16	18	20
Ø ext. tube / outside pipe Ø (mm)	114	133	140	158	168	193	220	273	323	355	406	457	508
A (mm)	12	12	14	14	16	16	16	16	18	18	18	20	20
B (mm)	116	135	142	160	170	195	222	275	325	357	408	459	510
C (mm)	156	180	185	200	210	232	270	315	371	408	463	519	570
F (mm)	55	65	70	70	70	60	60	60	70	75	80	80	85
Poids / Weight (kg)	0.27	0.32	0.55	0.58	0.81	0.90	1.06	1.27	1.86	2.03	2.29	3.22	3.55

ETRIER INOX - S. STEEL ROUND U-BOLT

1700 I



- Collier de serrage pour fixation de tube
- Livré avec 2 écrous

- Fastener for pipe fixing
- Delivered with 2 nuts

Matière : inox 304

Material : stainless steel 304

Ø int. tube / inside pipe Ø	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
Ø ext. tube / outside pipe Ø (mm)	13	17	21	27	34	42	49	60	76	89	102	114
A (mm)	6	6	6	8	8	8	8	8	8	10	10	10
C (mm)	38	36	40	50	55	68	70	80	100	115	132	156
Poids / Weight (kg)	0.02	0.02	0.02	0.05	0.06	0.07	0.07	0.08	0.09	0.18	0.19	0.21

Ø int. tube / inside pipe Ø	5	6	7	8	9	10	12	14	16	18	20	22	24
Ø ext. tube / outside pipe Ø (mm)	139	168	193	219	244	273	324	355	406	458	508	558	610
A (mm)	10	12	12	14	14	14	16	18	18	18	18	20	20
C (mm)	174	203	228	254	289	318	369	400	451	503	553	628	670
Poids / Weight (kg)	0.29	0.41	0.54	0.71	0.78	0.84	1.6	2.05	2.5	2.7	4.5	6.5	7.3

COLLIER DE SERRAGE A VIS INOX - S. STEEL ROUND PIPE HOLDER

1704 I



Collier de serrage à vis avec écrou soudé M8
Matière : inox
Très nombreuses plages de serrage (3/8" - 8")

Pipe support with welded nut M8
Material : stainless steel
Large size range (3/8" - 8")

COLLIER DE SERRAGE - HOSE CLAMP

1705 - 1706



Collier de serrage à bande pour usages multiples
Matière : acier zincuée
Très nombreuses plages de serrage

Multipurpose worm gear hose clamp
Material : galvanized steel
Large size range

- Réf. 1705 : collier Serflex (largeur bande 5 mm)
- Réf. 1706 : collier Serflex (largeur bande 8 mm)
- Réf. 1705 i et 1706 i : variantes tout inox

- Ref. 1705 : Serflex hose clamp (bandwidth 5 mm)
- Ref. 1706 : Serflex hose clamp (bandwidth 8 mm)
- Ref. 1705 i & 1706 i : stainless steel alternate

COLLIER DE SERRAGE - HOSE CLIP

1707



Collier de serrage livré avec tête et bande séparées
Collier en acier zincuée
Très nombreuses plages de serrage

Hose clamp supplied with screw & band separated
Material : galvanized steel
Large size range

- Réf. 1707 : collier Serflex (largeur bande 14 mm)
- Réf. 1707 i : variante tout inox

- Ref. 1707 : Serflex hose clamp (bandwidth 14 mm)
- Ref. 1707 i : stainless steel alternate

COLLIER TOURILLON INOX - S. STEEL PIPE HOLDER

1708 I



Collier très résistant à usage multiple, pour fortes pressions et serrage important

Heavy-duty clamp with rolled-up band edges
For use in many applications with high pressure and strong tightening

Collier en inox 304
Très nombreuses plages de serrage
Largeur de bande : 18 mm / 20 mm / 25 mm

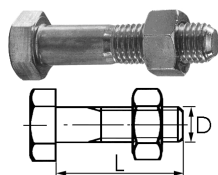
Material : AISI 304
Large size range
Bandwidth : 18 mm / 20 mm / 25 mm

BOULONNERIE ACIER - INOX

CARBON STEEL - STAINLESS STEEL BOLTING

BOULON ACIER ZINGUE TETE HEX. CLASSE 8.8 - HEX. HEAD GALVANIZED STEEL BOLT CLASS 8.8

17000 G



Boulon en acier zingué TH - Classe 8.8
 Boulon composé d'une vis et d'un écrou
 Réf. : [17000 G] = [17010 G] + [17020 G]
 Dimensions recommandées pour les équipements :
 cf. chapitre 1 (Généralités), page C-III.

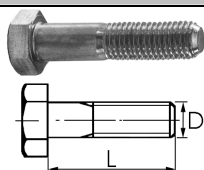
Galvanized steel bolt TH - Class 8.8
 Bolt composed of a screw and a nut
 Ref. : [17000 G] = [17010 G] + [17020 G]
 Recommended dimensions for equipment :
 refer to chapter 1 (General information), page C-III.

Dimensions métriques - Metric dimensions D (mm) x L (mm)

12 x 40	12 x 45	12 x 50	12 x 60	16 x 35	16 x 40	16 x 45	16 x 50	16 x 55	16 x 60	16 x 70	16 x 80
16 x 90	16 x 100	16 x 110	16 x 120	16 x 130	16 x 140	20 x 50	20 x 55	20 x 60	20 x 70	20 x 80	20 x 90
20 x 100	20 x 110	20 x 120	20 x 130	20 x 140	20 x 150	20 x 160	20 x 80	24 x 90	24 x 100	24 x 150	27 x 100
27 x 110	27 x 120	30 x 110	30 x 130	33 x 120	33 x 130	33 x 140	35 x 140	35 x 150	36 x 150	39 x 150	45 x 180

VIS ACIER ZINGUE TETE HEXAGONALE - HEX. HEAD GALVANIZED STEEL SCREW

17010 G



Vis à tête hexagonale TH - Classe 8.8
 (DIN 931 ou DIN 933)
 Matière : acier zingué
 Autres matières & dimensions sur demande

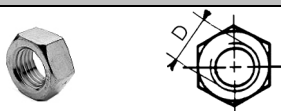
Hex. head screw - Class 8.8
 (DIN 931 or DIN 933)
 Material : galvanized steel
 Other material & dimensions on request

Dimensions métriques - Metric dimensions D (mm) x L (mm)

12 x 40	12 x 45	12 x 50	12 x 60	16 x 30	16 x 35	16 x 40	16 x 45	16 x 50	16 x 60	16 x 70	16 x 80
16 x 100	20 x 45	20 x 50	20 x 55	20 x 60	20 x 70	20 x 80	20 x 90	20 x 100	24 x 90	24 x 100	27 x 100
27 x 110	27 x 120	30 x 110	30 x 130	33 x 120	33 x 130	33 x 140	35 x 140	35 x 150	36 x 150	39 x 150	45 x 180

ECROU ACIER ZINGUE HEXAGONAL (USUEL) - HEX. GALVANIZED STEEL FULL NUT

17020 G



Ecrou hexagonal HU (DIN 934)
 Matière : acier galvanisé
 Autres matières & dimensions sur demande

Hex. full nut (DIN 934)
 Material : galvanized steel
 Other materials & dimensions on request

D (mm)	12	16	20	24	27	30	33	35	37	39	45
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TIGE FILETEE ACIER GALVANISE - GALVANIZED STEEL THREADED ROD

17100 G



Tige filetée (DIN 975)
 Longueur standard : 1 m
 Autres matières & dimensions sur demande

Threaded rod (DIN 975)
 Standard length : 1 m
 Other materials & dimensions on request

D (mm)	6	7	8	10	12	14	16	18	20	22	24	27
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VIS INOX TETE HEXAGONALE - HEX. HEAD STAINLESS STEEL SCREW

17010 I



Vis à tête hexagonale TH - Classe 8.8
 Entièrement filetée (DIN 933)
 Matière : nuance A2 (inox 304) en standard
 nuance A4 (inox 316) sur demande

Hex. head screw - Class 8.8
 Fully threaded (DIN 933)
 Material : A2 (AISI 304) as standard
 A4 (AISI 316) on request

ECROU INOX HEXAGONAL (USUEL) - HEX. STAINLESS STEEL FULL NUT

17020 I

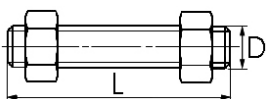


Ecrou hexagonal HU (DIN 934)
 Matière : nuance A2 (inox 304) en standard
 nuance A4 (inox 316) sur demande

Hex. galvanized steel full nut (DIN 934)
 Material : A2 (AISI 304) as standard
 A4 (AISI 316) on request

TIGE FILETEE A193 B7 AVEC ECROUS - STUD BOLT WITH HEX. NUTS

17030



Bout fileté [pas ISO] assemblé avec 2 écrous
 Matière : tige A193 B7 + écrous A194 2H
 Autres dimensions, matériaux et filetages
 (UNC, ...) sur demande
 Réf. 17031 : bout fileté sans écrou

Stud bolt [ISO thread] with 2 heavy hex. nuts
 Material : stud bolt A193 B7 + nuts A194 2H
 Other dimensions, materials and threading (UNC,...)
 on request
 Ref. 17031 : stud bolt w/o nuts

Dimensions métriques - Metric dimensions D (mm) x L (mm)

12 x 60	12 x 65	12 x 70	12 x 75	12 x 80	12 x 85	12 x 90	12 x 95	12 x 100	14 x 60	14 x 65	14 x 70
14 x 75	14 x 80	14 x 85	14 x 90	14 x 100	16 x 70	16 x 75	16 x 80	16 x 85	16 x 90	16 x 95	16 x 100
16 x 105	16 x 110	16 x 115	16 x 120	16 x 125	16 x 130	16 x 140	16 x 150	16 x 160	16 x 170	20 x 90	20 x 95
20 x 100	20 x 115	20 x 120	20 x 125	20 x 130	20 x 140	20 x 150	20 x 160	20 x 170	20 x 180	20 x 190	20 x 200
22 x 120	22 x 130	22 x 140	22 x 150	22 x 150	22 x 160	22 x 170	22 x 180	24 x 120	24 x 130	24 x 140	22 x 150
24 x 160	24 x 170	24 x 180	24 x 190	24 x 200	24 x 210	27 x 140	27 x 150	27 x 160	27 x 170	27 x 180	27 x 190
27 x 200	27 x 210	27 x 220	27 x 230	27 x 240	30 x 160	30 x 170	30 x 180	30 x 190	30 x 200	30 x 210	30 x 220
30 x 230	30 x 240	33 x 180	33 x 190	33 x 200	33 x 210	33 x 220	33 x 230	33 x 240	33 x 250		