



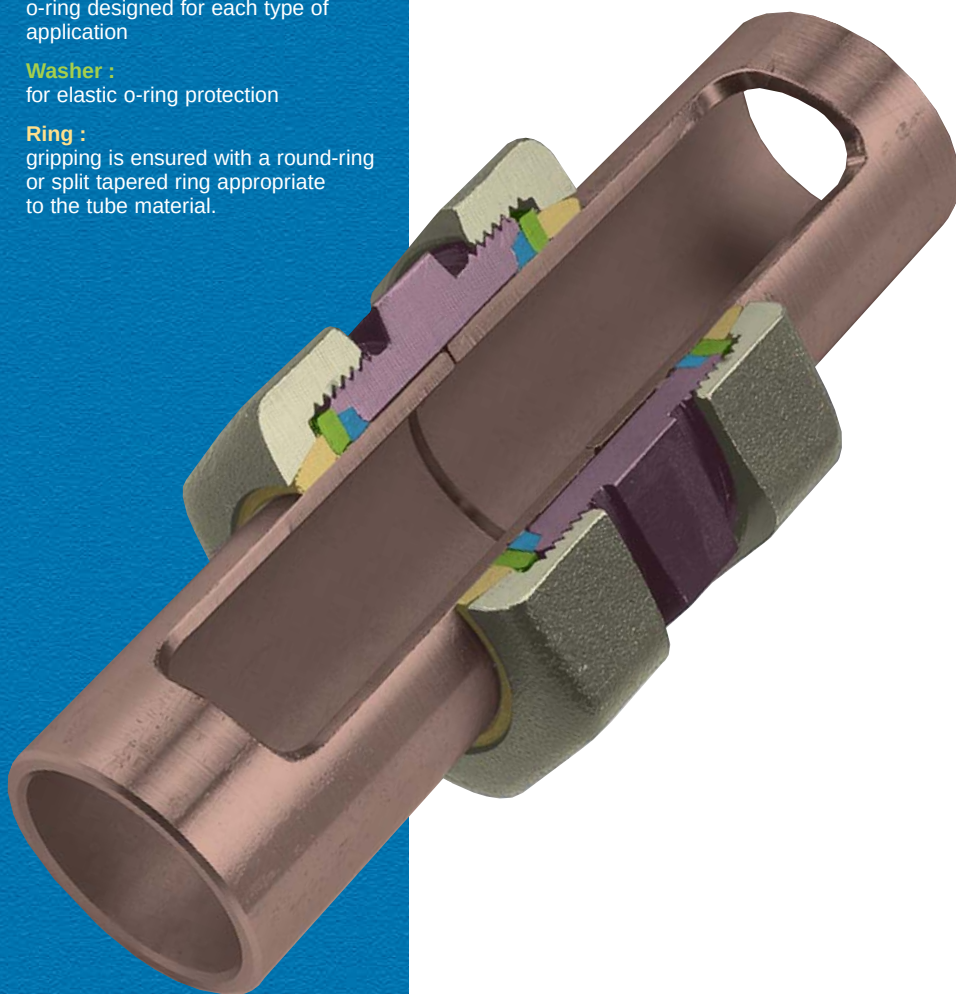
vebeo[®]
FITTINGS



O-ring :
tightness is ensured with one elastic
o-ring designed for each type of
application

Washer :
for elastic o-ring protection

Ring :
gripping is ensured with a round-ring
or split tapered ring appropriate
to the tube material.



ADVANTAGES OF THE **vebeo**® FITTING

A wide line of compression fittings
used for decades in many fields :

- in high vibration and shock environments.
- requiring security (braking systems, radio-protection...).

The never-failing reliability of **vebeo**® fittings has led to the international reputation of the **vebeo**® brand name. Since 1994 the **vebeo**® production has been guaranteed by ISO 9001 certification and has been using the most modern producing equipment (computer assisted production management, CAD, CAM).

Ease of assembly ensures time savings when fitting the tubes :

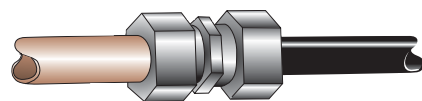
- No other preparation than deburring the end of the tube (no threading, no welding, no flanging).
- Out of square for tube is accepted up to 5°.
- Setting without any special tool (2 wrenches are all that is required).

Restricted caution

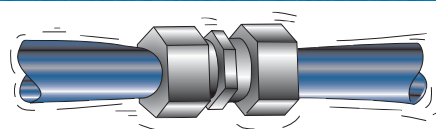
- Only tightening torque must be adhered to (see table page 4).



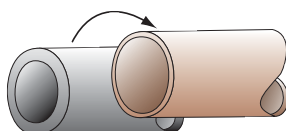
**MISALIGNMENT
(MAX 3°)**



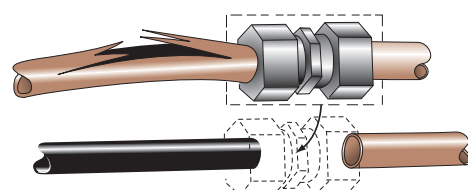
**JOINING OF DISSIMILAR
MATERIALS**



**HIGH VIBRATION
RESISTANCE**



**MATERIAL
SAVINGS**



FULLY REUSABLE



«vebeo®» fittings

■ Technical features

TEMPERATURES AND COMPATIBILITY

O-RING MATERIALS	TEMPERATURE (O-ring using limit)	FBO 's DESCRIPTION	AIR	WATER 80°	WATER 150°	PETROLEUM	BRAKING LIQUID glycol basis	MINERAL OIL	BUTANE PROPANE GASES	NATURAL GAS	OZONE
NBR	-30, +120°C	JN	■	■		■		■	■	■	
NBR BT	-45, +110°C	JNBT	■					■			
EPDM	-50, +150°C	JE	■		■		■				
FPM	-20, +250°C	JV	■			■		■			■
SILICONE	-50, +200°C	JS	■	■							■
GRAPHITE	-200, +550°C*	JH	■	■	■	■	■	■	■	■	

* 850°C during 30 minutes after testing according to ISO 834-1975

FBO is responsible of sealing choice at the only condition that the nature and fluid composition, temperature, pressure, ... have been previously determined.

STORAGE DIRECTIVES

Because of the sealing ring, fittings must be stored according to the NFT 47-507 Norm.

- Prevent goods and packing from daylight and high artificial light.
- Keep the storage at temperature between 5 and 30° C.
- Storage must not be near a source of heat (light, heater, ...).
- A special care must be taken on sealings, which are mounted on threaded sides.

ALLOWABLE WORKING PRESSURES

The fitting is warranted for any *pneumatic* application with working pressures up to **20 bars**.

It can be used with the hereunder *hydraulic* pressures for steel and stainless steel pipes and with adapted gripping components.

Ø TUBE mm	6	8	10,2	12	13,5	16	17,2	18	20	21,3	22	25	26,9	28	30	33,7	38	42,4	48,3	60,3
inch BS			1/8		1/4		3/8			1/2			3/4			1"		1 1/4"	1 1/2"	2"
STATIC PRESSURE	200 bars			100 bars									80 bars					40 bars		

This pressure information is given for ambient temperature and working conditions without any pressure shocks, after respecting the assembly instructions.

Safety factor with regard to static pressure : 2,5

OFFICIAL APPROVALS - TECHNICAL CERTIFICATIONS

RAILWAYS : UIC (code 803.35) - SNCF (STM820.A)
DEUTSCHE BAHN AG

NAVAL : VERITAS

ARMING : OTAN

NUCLEAR : CEA

VIBRATION TEST : SNCF (STM 820.A)
CEI 61373

MOTOR CAR : PSA - RENAULT



«vebeo®» fittings

■ Technical features

BODY/NUT	MATERIAL	DIN STANDARD	EURO STANDARD	FBO DESCRIPTION
FORGED STEEL	S 300	9S Mn 36	10.087	A
MACHINING STEEL	S 300 Pb	9S Mn Pb 36	-	A
304 L STAINLESS STEEL	Z3CN19-09	1.4307	10.088-X2CrNi18-9	X
316 L STAINLESS STEEL	Z3CND17-11-02	1.4404	10.088-X2CrNiMo17-12-2	XL
BRASS	CuZn40Pb3	-	12164	L
FORGED BRASS	CuZn39Pb2	2.0401	12165	L
MACHINING ALUMINIUM	AlCu4PbMg (AW-2030)	-	754-2	D
FORGED ALUMINIUM	AlCu4MgSi (AW-2017A)	-	755-2	D

For other materials, please contact us.

Washers and gripping components (rings) must be compatible with the tube material.

STANDARD SURFACE TREATMENTS

FBO uses **cationic electropaint coating** on steel fittings, because of its high performance against corrosion and also its uniform thickness on all surfaces including inside the fittings.

Tests are made according to NFX41.002, with salt concentration 5% during 500 hours.

Other protective surface preparations are available on request (zinc phosphation, kanigen treatment ...).

COATING	COLOUR	THICKNESS	DESCRIPTION	STANDARD	FBO DESCRIPTION (body and nut)
CATIONIC ELECTROPAINT	black	15 µ		NFF 19355	C
ZINC-CHROMED TREATMENT	white	12 µ	Zn 12 B/Fe	NFA 91472	Z
ZINC-CHROMED TREATMENT	yellow	12 µ	Zn 12 C/Fe	NFA 91472	B
ZINC-CHROMED TREATMENT	olive-green	12 µ	Zn 12 D/Fe	NFA 91472	V
ANODIC ELECTROLYTIC OXIDATION	colourless	15 µ	AA 15 colourless	NFA 91-450	-

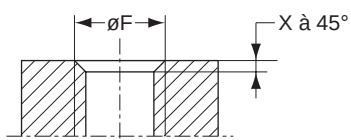
STANDARDS

TUBES : check that the diameters and tolerances of tubes are compatible with the fitting sizes.
(dimension as reference = internal diameter of the washer - see page 26 «washer table»).

THREADS (for the fittings to be mounted on apparatuses) : **ISO, BS, ANSI** standards.
When threads are according to the DIN standard, please used the corresponding leaflet.

THREADS / NORMS	ISO	AFNOR	DIN	BS	ANSI
METRIC ISO	ISO 68-1	NF ISO 68-1 NFE 03-001	13	-	-
CYLINDRICAL WITHWORTH BSPP	ISO 228-1	NFE 03-005	ISO 228-1	2779	-
CONICAL WITHWORTH BSPT	ISO 7-1	NFE 03-004	2999 part 1	21	-
CONICAL NPT BRIGGS	-	-	-	-	B2-1

BEVELLING AND INSIDE THREADS



ØF	X
M10 x 10 à M12 x 100	0,8
M14 x 150 à M30 x 150	1,1
M33 x 200 à M48 x 200	1,3

ØF	X
1/8	1
1/4 à 3/8	1,2
1/2 à 3/4	1,5
1" à 2"	1,8



«vebeo®» fittings

■ Tightening torques

TIGHTENING TORQUES (m. daN)

TORQUE VALUES FOR STANDARD TUBE THICKNESSES (≥ 2 mm) AND FOR OPERATING PRESSURE OF 20 BARS

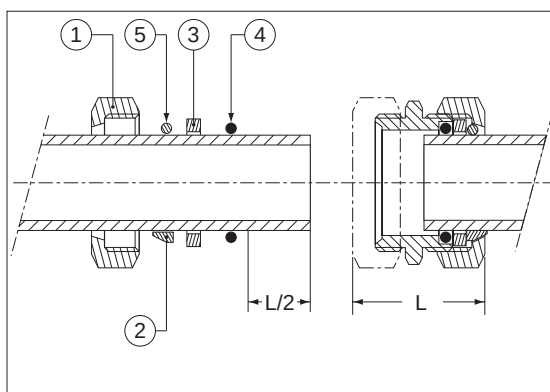
TUBE mm inch BS	6	8	10 1/8	12	14 1/4	15-16 3/8	18	20	22	25	28	30	38	1"1/4	1"1/2	2"			
STEEL / STAINLESS STEEL	3,2	4	4,7	5	6	7	8	9,5	10	10	12,5	14	14	16	18	22	25	30	42
COPPER	1,6	2	2,5	2,8	3,2	3,6	4	4,8	5	5	6,3	7	7	8	9	11	12,5	15	21
ALUMINIUM	2	2,5	3	3,5	4	5	5,5	6	7,5	7,5	9	9,5	9,5	11	12,5	14	18	21	30

TORQUE VALUES FOR THIN WALL TUBES

TUBE mm inch BS	6	8	10 1/8	12	14 1/4	15-16 3/8	18	20	22	25	28	30	38	1"1/4	1"1/2	2"			
MINI TUBE THICKNESS mm	1	1	-	1	-	1,5	-	1,5	1,5	-	-	-	1,5	-	-	-	-	-	-
STEEL / STAINLESS STEEL	2,2	4	-	5	-	5	-	8	8	-	-	9	-	10,5	-	-	-	-	-

When connecting a male side, the hexagonal part of the fitting must be tightened until it compresses the application.

INSTALLATION INSTRUCTIONS



1 - Deburr the end of the tube, and if necessary suppress grease, paint or varnish

2 - Assemble the components on tube in the following order :

- nut reference ①
- split tapered ring or round-ring reference ② or ⑤
- washer reference ③
- o-ring reference ④

3 - Put the tube into fitting with length slightly inferior to L/2

4 - Screw the nut according to **tightening torques table**.

Nota : tubes must be flanged before the nut is being tightened.



Never set tube against tube.

When connecting a male side, the hexagonal part of the fitting must be tightened until it compresses the application.

The fitting and the tube must absolutely be prevented from rotation when nut is being tightened.

After tightening the whole fitting, check that the extremities of split tapered ring or round-ring are not in contact.

If they are, check the compatibility between the diameters of tube and fitting or the tolerances of tube.



«vebeo®» fittings

■ Description code ■ Order code

THE FITTING OF YOUR CHOICE CAN BE DEFINED THROUGH ITS DESCRIPTION CODE (LETTERS) OR ITS ORDER CODE (NUMBERS)

■ **Description code** : it is necessary to specify

- The fitting type (U = Straight union, ...)
- The fitting material (AC = cationic electropaint steel, ...)
- The dimensions (tube and thread)
- The o-ring material (JN = nitrile, ...)
- The gripping components (JAB = yellow zinc coated round-ring + yellow zinc coated washer, etc ...)

■ **Order code** : it is necessary to state the various features of fitting with groups of numbers.

XX XX - X XX - XX XX

FITTING TYPE	M A T E R I A L						DIMENSIONS
	BODY-NUT		O-RING		GRIPPING COMPONENTS		
See from pages 8 to 26	A = Phosphated steel = 10	JN = Nitrile = 1	JAB = Round ring + Washer Yellow zinc coated steel = 10 ou 12				Tubes : - ISO (mm) - Gas (inch) Threads : - ISO - Gas (BSPP, BSPT) - Briggs (NPT) See tables from pages 8 to 26
	AC = Cationic steel = 13	JV = FPM = 2	BAB = Split tapered ring + Washer Yellow zinc coated steel = 20 ou 22				
	AZ = White zinc coated steel = 16	JS = Silicone = 3	BX = Split tapered ring + Washer 304L stainless steel = 24				
	X = Stainless steel 304L = 20	JE = EPDM = 4	BSX = Grooved split tapered ring + Washer 304L stainless steel = 34				
	XL = Stainless steel 316L = 21	JH = Graphite = 6	BXL = Split tapered ring + Washer 316L stainless steel = 25				
	L = Brass = 40	JNBT = Nitrile low temp. = A	BL = Split tapered ring + Washer Brass = 27				
	D = Anodised aluminium = 30		BD = Split tapered ring + Washer Aluminium = 21				

Example : elbow in cationic steel diameter 25 with nitrile o-rings, yellow zinc coated split tapered ring and washer.

Description : EAC JN BAB 25 - **Codification :** 5013-122-2500 or 5013-120-2500

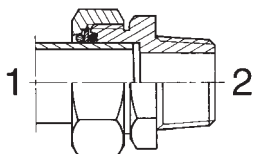
Should you need any additional information, please do not hesitate to contact us.

The order codes mentioned in the tables correspond to fittings equipped with round rings for gas tubes and with split tapered rings for metric tubes.

DESIGNATION OF A STANDARD FITTING

The code of a fitting is defined first by the pipe side (1) (or adaptor side) then by the device side (2) (see example here after).

PARALLEL MALE UNION



REDUCING UNION ADAPTOR

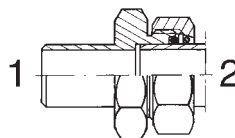
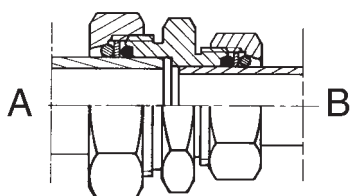


ILLUSTRATION OF A REDUCING FITTING

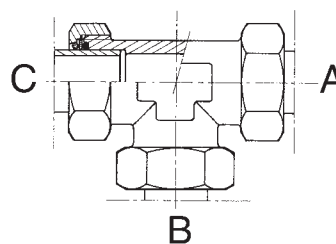
On request, **FBO** can manufacture the reducing fittings following the illustrations here after.
To define a fitting, take care to the reading instruction A, B, C, then D.

REDUCING UNION

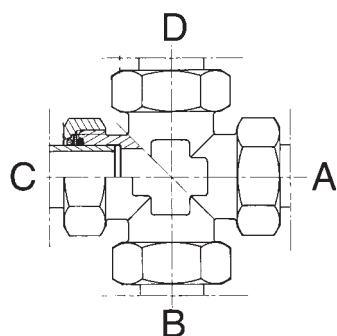
Others dimensions than on page 8



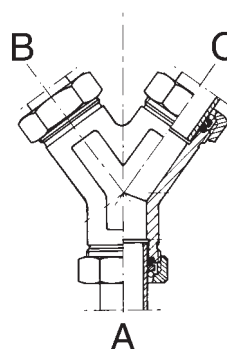
REDUCING TEE



REDUCING CROSS



REDUCING Y BRANCH





Straight union
Page 8



Reducing union
Page 8



Bulkhead union
Page 9



End tube plug
Page 9



Parallel male union
Page 10



Taper male union
Page 11



Parallel male union full pass
Page 12



Taper male union full pass
Page 13



Parallel / Taper female union
Pages 14-15



Parallel male stem adaptor
Page 16



Taper male stem adaptor
Page 17



Female stem adaptor
Pages 18-19



Reducing union adaptor
Page 19



Equal elbow
Page 20



Equal tee
Page 20



Equal cross
Page 21



Equal Y branch
Page 21



Parallel male elbow
Page 22



Taper male elbow
Page 23



Single banjo - Banjo reducer
Page 24



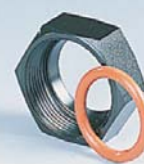
Bridge union
Page 25



1/2 bridge union
Page 25



Cap
Page 26

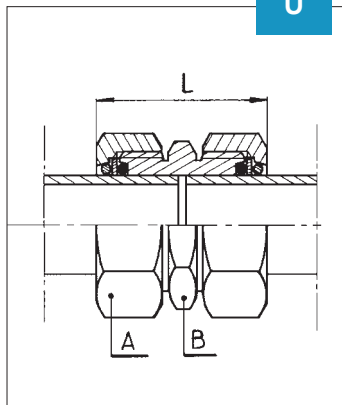


Nut - O-ring - Washer
Page 26

«vebeo®» fittings

■ Straight union ■ Reducing union

U

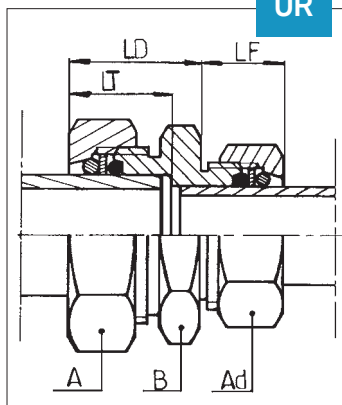


For ordering :
The fitting with the order code **0013-120-0800**
is also defined by the description number :

U AC 8 JN BA

Steel split tapered ring
NBR O-ring - 30° C
Ø 8 mm
Cationic electropaint steel
Straight union

UR



For ordering :
The fitting with the order code **0113-110-7271**
is also defined by the description number :

UR AC 1/4-1/8 JN JA

Steel round ring
NBR O-ring - 30° C
Ø 1/4 - 1/8
Cationic electropaint steel
Reducing union

The above listed order codes
are for standard fittings.
Other materials, sizes and equipment
can be realised on request.

STRAIGHT UNION

Tube O.D.		A	B	L	Weight (g)		Order code steel
mm	inch				steel	brass	
6		17	14	33	41	47	0013-120-0600
8		19	17	33	51	58	0013-120-0800
10		22	19	35	67	77	0013-120-1000
12		24	22	38	73	83	0013-120-1200
14		27	24	38	98	112	0013-120-1400
15		27	24	42	115	132	0013-120-1500
16		30	27	42	128	147	0013-120-1600
18		30	27	44	112	128	0013-120-1800
20		32	30	47	128	147	0013-120-2000
22		36	36	48	176	202	0013-120-2200
25		41	36	47	226	259	0013-120-2500
28		46	41	48	305	350	0013-120-2800
30		46	46	55	390	448	0013-120-3000
35		50	46	58	350	402	0013-120-3500
38		55	50	58	410	471	0013-120-3800
40		60	55	56	515	592	0013-120-4000
44.5		65	65	65	715	822	0013-120-4400
10.2	1/8	22	19	37	70	80	0013-110-7100
13.5	1/4	27	24	38	95	109	0013-110-7200
17.2	3/8	30	27	43	123	141	0013-110-7300
21.3	1/2	36	32	46	190	218	0013-110-7400
26.9	3/4	46	41	48	310	356	0013-110-7500
33.7	1"	50	46	55	380	437	0013-110-7600
42.4	1"1/4	65	60	63	698	802	0013-110-7700
48.3	1"1/2	70	65	67	774	890	0013-110-7800
60.3	2"	85	80	78	1332	1531	0013-110-7900

REDUCING UNION

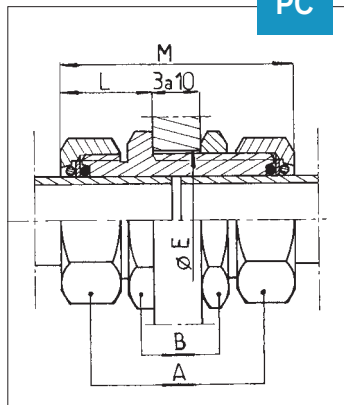
Tube O.D. mm inch mm/inch	A	Ad	B	LD	LF	LT	Weight (g)		Order code steel
							steel	brass	
8	6	19	17	17	19	13.5	47	54	0113-120-0806
10	8	22	19	19	20	13.5	60	69	0113-120-1008
12	10	24	22	22	22	15	71	81	0113-120-1210
14	12	27	24	24	22	15	78	89	0113-120-1412
15	12	27	24	24	25	15	92	105	0113-120-1512
16	14	30	27	27	24	15	115	132	0113-120-1614
18	16	30	30	27	25	17	118	135	0113-120-1816
20	18	32	30	30	28	19	123	141	0113-120-2018
22	20	36	32	36	28	19	167	192	0113-120-2220
25	22	41	36	36	28	19	206	236	0113-120-2522
28	25	46	41	41	29	19	276	317	0113-120-2825
30	28	46	46	46	33	19	354	407	0113-120-3028
35	32	50	50	46	34	22	350	402	0113-120-3532
38	30	55	46	50	35	22	403	463	0113-120-3830
40	38	60	55	55	34	23	502	577	0113-120-4038
44.5	38	65	55	65	41	23	610	701	0113-120-4438
13.5	1/4	1/8	27	22	24	22	73	83	0113-110-7271
17.2	3/8	1/4	30	27	27	25	111	127	0113-110-7372
21.3	1/2	3/8	36	30	32	27	165	189	0113-110-7473
26.9	3/4	1/2	46	36	41	29	269	309	0113-110-7574
33.7	1"	3/4	50	46	46	33	318	365	0113-110-7675
42.4	1 1/4	1"	65	50	60	39	564	648	0113-110-7776
48.3	1 1/2	1 1/4	70	65	65	41	741	852	0113-110-7877
60.3	2"	1 1/2	85	70	80	49	1131	1300	0113-110-7978



«vebeo®» fittings

■ Bulkhead union ■ End tube plug

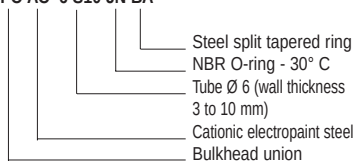
PC



For ordering :

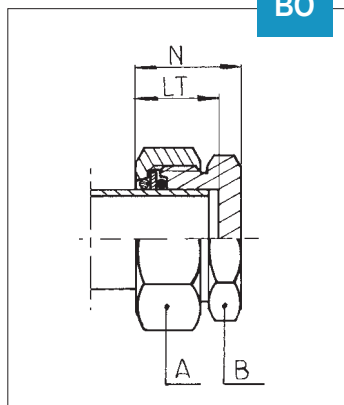
The fitting with the order code **1513-120-0601** is also defined by the description number :

PC AC 6 S10 JN BA



E = minimum boring diameter for the wall

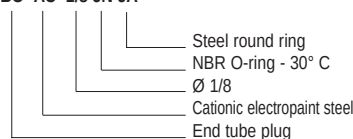
BO



For ordering :

The fitting with the order code **1016-110-7100** is also defined by the description number :

BO AC 1/8 JN JA



The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

BULKHEAD UNION WALL THICKNESS 3 to 10 MM

Tube O.D. mm inch	A	B	M	L	E	Weight (g)		Order code steel
						steel	brass	
6	17	19	47	19	15	68	78	1513-120-0601
8	19	22	48	20	17	83	95	1513-120-0801
10	22	24	52	22	19	108	124	1513-120-1001
12	24	27	53	22	22	121	139	1513-120-1201
14	27	30	55	24	24	161	185	1513-120-1401
15	27	30	60	27	25	182	209	1513-120-1501
16	30	32	60	26	26	203	233	1513-120-1601
18	30	32	62	27	28	104	119	1513-120-1801
20	32	36	63	28	30	222	255	1513-120-2001
22	36	41	66	30	34	313	359	1513-120-2201
25	41	41	65	29	37	333	382	1513-120-2501
28	46	46	67	30	39	447	514	1513-120-2801
30	46	50	73	34	43	609	700	1513-120-3001
35	50	55	76	36	47	540	621	1513-120-3501
38	55	60	79	39	50	728	837	1513-120-3801
40	60	60	77	38	53	815	937	1513-120-4001
44.5	65	70	82	40	61	1131	1300	1513-120-4401
10.2	22	24	52	22	19	106	121	1513-110-7101
13.5	27	30	55	24	24	170	195	1513-110-7201
17.2	30	32	61	27	27	209	240	1513-110-7301
21.3	36	41	64	29	33	312	358	1513-110-7401
26.9	46	46	66	30	39	449	516	1513-110-7501
33.7	50	55	73	34	47	580	667	1513-110-7601
42.4	65	65	80	39	59	1138	1308	1513-110-7701
48.3	70	75	86	41	64	1112	1278	1513-110-7801
60.3	85	85	100	49	77	1742	2003	1513-110-7901

END TUBE PLUG

Tube O.D. mm inch	A	B	N	LT	Weight (g)		Order code steel
					steel	brass	
6	17	14	17	14	22	25	1016-120-0600
8	19	17	17	14	28	32	1016-120-0800
10	22	19	19	17	38	43	1016-120-1000
12	24	22	20	17	43	49	1016-120-1200
14	27	24	21	18	54	62	1016-120-1400
15	27	24	22	19	63	72	1016-120-1500
16	30	27	23	20	78	89	1016-120-1600
18	30	27	24	21	70	80	1016-120-1800
20	32	30	24	21	79	90	1016-120-2000
22	36	36	26	22	116	133	1016-120-2200
25	41	36	25	21	131	150	1016-120-2500
28	46	41	25	22	174	200	1016-120-2800
30	46	46	28	24	229	263	1016-120-3000
35	50	46	31.5	27	205	235	1016-120-3500
38	55	50	33	28	280	322	1016-120-3800
40	60	55	32	26	361	415	1016-120-4000
44.5	65	65	35	28	428	492	1016-120-4400
10.2	22	19	19	17	37	42	1016-110-7100
13.5	27	24	21	18	55	63	1016-110-7200
17.2	30	27	23	20	74	85	1016-110-7300
21.3	36	32	25	21	111	127	1016-110-7400
26.9	46	41	25	22	178	204	1016-110-7500
33.7	50	46	28	24	202	232	1016-110-7600
42.4	65	60	33	28	417	479	1016-110-7700
48.3	70	65	35	30	498	572	1016-110-7800
60.3	85	80	41	34	987	1135	1016-110-7900

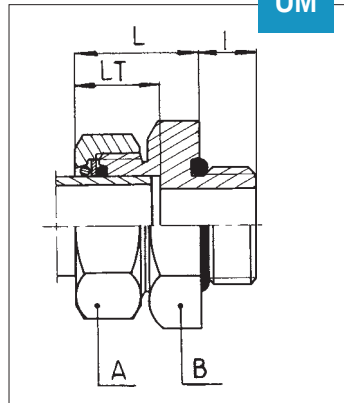


«vebeo®» fittings

■ Male union BSPP - ISO

MALE UNION BSPP - ISO

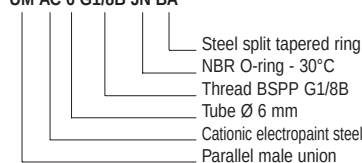
UM



For ordering :

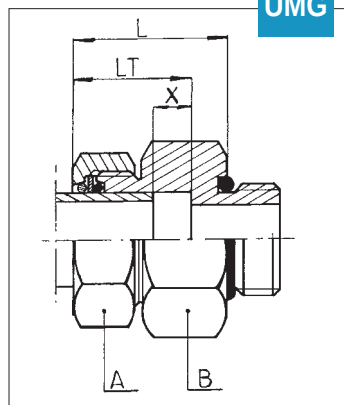
The fitting with the order code **0213-120-0671** is also defined by the description number :

UM AC 6 G1/8B JN BA



LONG MALE UNION

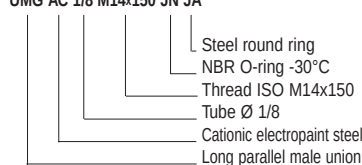
UMG



For ordering :

The fitting with the order code **8513-110-7114** is also defined by the description number :

UMG AC 1/8 M14x150 JN JA



The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

PARALLEL MALE UNION BSPP

LONG MALE UNION BSPP *

Tube O.D. mm inch		A	B	L	LT	I	Weight (g)		Order code	X	L	LT	Weight (g)	
							steel	brass					steel	brass
6	G1/8B	17	17	21	16	6	34	37	0213-120-0671	8	29	24	47	54
8	G1/4B	19	22	21	16	8	45	50	0213-120-0872	10	31	26	66	75
10	G1/4B	22	22	23	18	8	53	59	0213-120-1072	10	33	28	71	81
12	G3/8B	24	24	24	19	8	61	67	0213-120-1273	10	34	29	91	104
14	G3/8B	27	24	24	19	8	61	67	0213-120-1473	10	34	29	88	101
15	G3/8B	27	24	25	18	8	70	78	0213-120-1573	10	35	28	95	109
16	G3/8B	30	27	26	21	8	113	125	0213-120-1673	10	36	31	146	167
18	G1/2B	30	32	28	22	10	106	118	0213-120-1874	12	40	34	165	189
20	G1/2B	32	32	30	23	10	102	113	0213-120-2074	12	42	35	155	178
22	G1/2B	36	36	30	24	10	153	170	0213-120-2274	12	42	36	223	256
25	G3/4B	41	36	30	23	14	170	189	0213-120-2575	16	46	39	249	286
28	G1"B	46	46	30	24	14	252	280	0213-120-2876	16	46	40	357	410
30	G1"B	46	46	34	27	14	295	328	0213-120-3076	16	50	43	354	407
35	G1"1/4B	50	60	40	29	16	441	491	0213-120-3577	18	58	47	745	856
38	G1"1/4B	55	60	39	29	16	468	521	0213-120-3877	18	57	47	748	860
40	G1"1/2B	60	65	38	28	16	572	637	0213-120-4078	18	56	46	910	1046
44.5	G1"1/2B	65	65	41	32	16	582	648	0213-120-4478	18	59	50	883	1015

10.2 1/8	G1/4B	22	22	22	17	8	51	56	0213-110-7172	10	32	27	69	79
13.5 1/4	G1/4B	27	24	24	19	8	76	84	0213-110-7272	10	34	29	104	119
17.2 3/8	G3/8B	30	27	26	21	8	92	102	0213-110-7373	10	36	31	123	141
21.3 1/2	G1/2B	36	32	29	23	10	139	154	0213-110-7474	12	41	35	190	218
26.9 3/4	G3/4B	46	41	30	24	14	166	185	0213-110-7575	16	46	40	276	317
33.7 1"	G1"B	50	46	34	27	14	260	289	0213-110-7676	16	50	43	329	378
42.4 1"1/4	G1"1/4B	65	60	40	31	16	543	605	0213-110-7777	18	58	49	787	905
48.3 1"1/2	G1"1/2B	70	65	42	33	16	677	754	0213-110-7878	18	60	51	937	1077
60.3 2"	G2"B	85	80	49	39	18	1071	1193	0213-110-7979	20	69	59	1497	1721

* For long male union order code please replace 0213 by 8513 in male union order code.

PARALLEL MALE UNION ISO

LONG MALE UNION ISO *

Tube O.D. mm inch		A	B	L	LT	I	Weight (g)		Order code	X	L	LT	Weight (g)	
							steel	brass					steel	brass
6	M10x100	17	17	21	16	7	34	39	0213-120-0610	9	30	25	52	59
8	M12x100	19	22	21	16	7	45	51	0213-120-0812	9	30	25	71	81
10	M14x150	22	22	23	18	9	53	60	0213-120-1014	11	34	29	82	94
12	M16x150	24	24	23	19	9	61	70	0213-120-1216	11	34	30	94	108
14	M18x150	27	27	24	19	11	61	70	0213-120-1418	13	37	32	110	126
15	M18x150	27	27	25	18	11	80	92	0213-120-1518	13	38	31	120	138
16	M20x150	30	27	26	21	11	113	129	0213-120-1620	13	39	34	157	180
18	M22x150	30	32	28	22	12	106	121	0213-120-1822	14	42	36	175	201
20	M24x150	32	36	30	23	12	102	117	0213-120-2024	14	44	37	190	218
22	M27x150	36	36	30	24	14	153	175	0213-120-2227	16	46	40	246	282
25	M30x150	41	41	30	23	14	170	195	0213-120-2530	16	46	39	290	333
28	M33x200	46	46	30	24	15	252	289	0213-120-2833	17	47	41	414	476
30	M33x200	46	46	34	27	15	295	339	0213-120-3033	17	51	44	450	517
35	M39x200	50	50	36	29	16	441	507	0213-120-3539	18	54	47	611	702
38	M42x200	55	60	39	29	16	468	538	0213-120-3842	18	57	47	747	859
40	M45x200	60	60	38	28	16	572	657	0213-120-4045	18	56	46	834	959
44.5	M48x200	65	65	41	32	16	582	669	0213-120-4448	18	59	50	885	1017

10.2 1/8	M14x150	22	22	22	17	9	51	58	0213-110-7114	11	33	28	80	92
13.5 1/4	M18x150	27	27	24	19	11	76	87	0213-110-7218	13	37	32	126	144
17.2 3/8	M20x150	30	27	27	21	11	92	105	0213-110-7320	13	40	34	133	152
21.3 1/2	M24x150	36	36	29	23	12	139	159	0213-110-7424	14	43	37	224	257
26.9 3/4	M30x150	46	41	30	24	14	166	190	0213-110-7530	16	46	40	270	310
33.7 1"	M39x200	50	50	34	27	16	260	299	0213-110-7639	18	52	45	437	502
42.4 1"1/4	M45x200	65	60	40	31	16	543	624	0213-110-7745	18	58	49	788	906
48.3 1"1/2	M48x200	70	65	42	33	16	677	778	0213-110-7848	18	60	51	938	1078
60.3 2"	M60x200	85	80	51	39	18	1071	1231	0213-110-7960	20	71	59	1497	1721

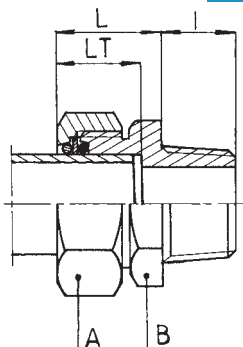
* For long male order code please replace 0213 by 8513 in male union order code.



«vebeo®» fittings

■ Male union BSPT-NPT

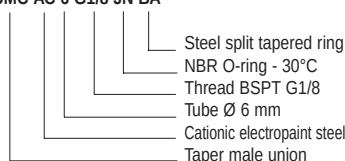
UMC



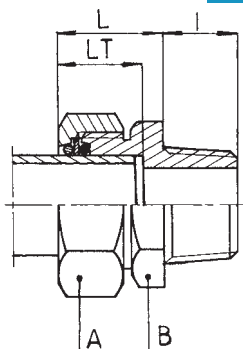
For ordering :

The fitting with the order code **0313-120-0671** is also defined by the description number :

UMC AC 6 G1/8 JN BA



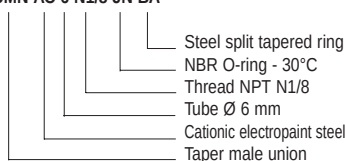
UMN



For ordering :

The fitting with the order code **2013-120-0671** is also defined by the description number :

UMN AC 6 N1/8 JN BA



The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

TAPER MALE UNION BSPT

Tube O.D. mm inch			A	B	L	LT	I	Weight (g)		Order code steel
								steel	brass	
6	G1/8		17	14	19	16	9.5	28	31	0313-120-0671
8	G1/4		19	17	19	16	12.5	36	40	0313-120-0872
10	G1/4		22	19	20	18	12.5	46	51	0313-120-1072
12	G3/8		24	22	22	19	12.5	59	65	0313-120-1273
14	G3/8		27	24	22	19	12.5	74	82	0313-120-1473
15	G3/8		27	24	24	18	12.5	90	100	0313-120-1573
16	G3/8		30	27	24	21	12.5	94	104	0313-120-1673
18	G1/2		30	27	25	22	17.5	94	104	0313-120-1874
20	G1/2		32	30	28	23	17.5	118	131	0313-120-2074
22	G1/2		36	36	28	24	17.5	166	185	0313-120-2274
25	G3/4		41	36	28	23	19	195	217	0313-120-2575
28	G1"		46	41	29	24	21	252	280	0313-120-2876
30	G1"		46	46	33	27	21	325	362	0313-120-3076
35	G1 1/4"		50	46	34	29	24	331	368	0313-120-3577
38	G1 1/4"		55	50	35	29	24	395	440	0313-120-3877
40	G1 1/2"		60	55	34	28	24	500	557	0313-120-4078
44.5	G1 1/2"		65	65	41	32	24	645	718	0313-120-4478
10.2	1/8	G1/4	22	19	21	17	12.5	44	49	0313-110-7172
13.5	1/4	G1/4	27	24	22	19	12.5	67	74	0313-110-7272
17.2	3/8	G3/8	30	27	25	21	12.5	94	104	0313-110-7373
21.3	1/2	G1/2	36	32	27	23	17.5	148	164	0313-110-7474
26.9	3/4	G3/4	46	41	29	24	19	243	270	0313-110-7575
33.7	1"	G1"	50	46	33	27	21	291	324	0313-110-7676
42.4	1 1/4"	G1 1/4"	65	60	39	31	24	594	662	0313-110-7777
48.3	1 1/2"	G1 1/2"	70	65	41	33	24	726	809	0313-110-7878
60.3	2"	G2"	85	80	49	39	27	1444	1609	0313-110-7979

TAPER MALE UNION NPT

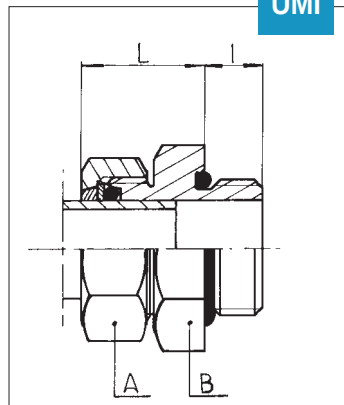
Tube O.D. mm inch			A	B	L	LT	I	Weight (g)		Order code steel
								steel	brass	
6	N1/8		17	14	19	16	8	29	32	2013-120-0671
8	N1/4		19	17	19	16	12	38	42	2013-120-0872
10	N1/4		22	19	20	18	12	47	52	2013-120-1072
12	N3/8		24	22	22	19	12	64	71	2013-120-1273
14	N3/8		27	24	22	19	12	74	82	2013-120-1473
15	N3/8		27	24	24	18	12	90	100	2013-120-1573
16	N3/8		30	27	24	21	12	99	110	2013-120-1673
18	N1/2		30	27	25	22	16	98	109	2013-120-1874
20	N1/2		32	30	28	23	16	126	140	2013-120-2074
22	N1/2		36	36	28	24	16	166	185	2013-120-2274
25	N3/4		41	36	28	23	16	194	216	2013-120-2575
28	N1"		46	41	29	24	20	280	312	2013-120-2876
30	N1"		46	46	33	27	20	370	412	2013-120-3076
35	N1 1/4"		50	46	34	29	20	274	305	2013-120-3577
38	N1 1/4"		55	50	35	29	20	395	440	2013-120-3877
40	N1 1/2"		60	55	34	28	22	402	448	2013-120-4078
44.5	N1 1/2"		65	65	41	32	22	685	763	2013-120-4478
10.2	1/8	N1/4	22	19	21	17	12	47	52	2013-110-7172
13.5	1/4	N1/4	27	24	22	19	12	64	71	2013-110-7272
17.2	3/8	N3/8	30	27	25	21	12	91	101	2013-110-7373
21.3	1/2	N1/2	36	32	27	23	16	156	173	2013-110-7474
26.9	3/4	N3/4	46	41	29	24	16	228	254	2013-110-7575
33.7	1"	N1"	50	46	33	27	20	322	358	2013-110-7676
42.4	1 1/4"	N1 1/4"	65	60	39	31	20	564	628	2013-110-7777
48.3	1 1/2"	N1 1/2"	70	65	41	33	22	878	978	2013-110-7878
60.3	2"	N2"	85	80	49	39	22	1444	1609	2013-110-7979



«vebeo®» fittings

■ Male union full pass BSPP - ISO

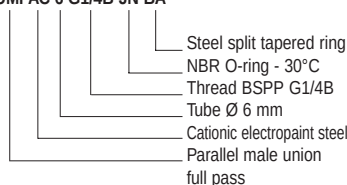
UMI



For ordering :

The fitting with the order code **8313-120-0672** is also defined by the description number :

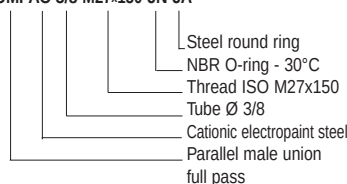
UMI AC 6 G1/4B JN BA



For ordering :

The fitting with the order code **8313-110-7327** is also defined by the description number :

UMI AC 3/8 M27x150 JN JA



PARALLEL MALE UNION FULL PASS BSPP

Tube O.D. mm inch		A	B	L	I	Order code steel
6	G1/4B	17	22	21	8	8313-120-0672
8	G3/8B	19	24	21	8	8313-120-0873
10	G3/8B	22	24	22	8	8313-120-1073
12	G1/2B	24	32	25	10	8313-120-1274
14	G3/4B	27	36	25	14	8313-120-1475
15	G3/4B	27	36	26	14	8313-120-1575
16	G3/4B	30	36	27	14	8313-120-1675
18	G1"B	30	46	30	14	8313-120-1876
20	G1"B	32	46	30	14	8313-120-2076
22	G1"B	36	46	31	14	8313-120-2276
25	G1"1/4B	41	60	35	16	8313-120-2577
28	G1"1/4B	46	60	35	16	8313-120-2877
30	G1"1/4B	46	60	38	16	8313-120-3077
35	G1"1/2B	50	65	40	16	8313-120-3578
38	G2"B	55	75	40	18	8313-120-3879
40	G2"B	60	75	40	18	8313-120-4079
44.5	G2"B	65	75	41	18	8313-120-4479
10.2	1/8 G3/8B	22	24	24	8	8313-110-7173
13.5	1/4 G3/4B	27	36	25	14	8313-110-7275
17.2	3/8 G3/4B	30	36	27	14	8313-110-7375
21.3	1/2 G1"B	36	46	30	14	8313-110-7476
26.9	3/4 G1"1/4B	46	60	35	16	8313-110-7577
33.7	1" G1"1/2B	50	65	38	16	8313-110-7678
42.4	1"1/4 G2"B	65	75	40	18	8313-110-7779

PARALLEL MALE UNION FULL PASS ISO

Tube O.D. mm inch		A	B	L	I	Order code steel
6	M14x150	17	22	21	9	8313-120-0614
8	M16x150	19	24	21	9	8313-120-0816
10	M18x150	22	27	22	11	8313-120-1018
12	M20x150	24	27	24	11	8313-120-1220
14	M22x150	27	32	25	12	8313-120-1422
15	M24x150	27	36	26	12	8313-120-1524
16	M27x150	30	36	27	14	8313-120-1627
18	M30x150	30	41	29	14	8313-120-1830
20	M33x200	32	46	30	15	8313-120-2033
22	M33x200	36	46	31	15	8313-120-2233
25	M39x200	41	50	31	16	8313-120-2539
28	M39x200	46	50	32	16	8313-120-2839
30	M42x200	46	60	38	16	8313-120-3042
35	M48x200	50	65	41	16	8313-120-3548
10.2	1/8 M18x150	22	27	24	11	8313-110-7118
13.5	1/4 M20x150	27	27	24	11	8313-110-7220
17.2	3/8 M27x150	30	36	27	14	8313-110-7327
21.3	1/2 M33x200	36	46	30	15	8313-110-7433
26.9	3/4 M39x200	46	50	31	16	8313-110-7539
33.7	1" M45x200	50	60	38	16	8313-110-7645

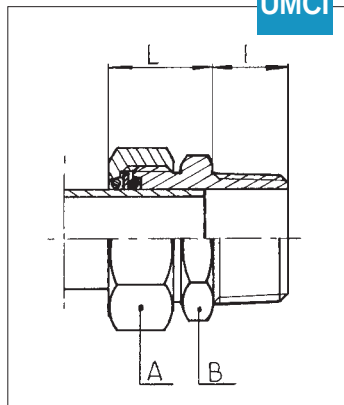
The above listed order codes are for standard fittings. Other materials, sizes and equipment can be realised on request.



«vebeo®» fittings

■ Male union full pass BSPT - NPT

UMCI



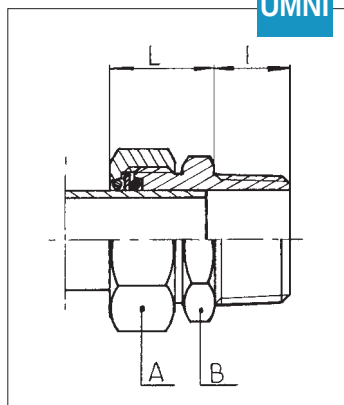
For ordering :

The fitting with the order code **8213-120-0672** is also defined by the description number :

UMCI AC 6 G1/4 JN BA

- Steel split tapered ring
- NBR O-ring - 30°C
- Thread BSPT G1/4
- Tube Ø 6 mm
- Cationic electropaint steel
- Taper male union full pass

UMNI



For ordering :

The fitting with the order code **7913-110-7173** is also defined by the description number :

UMNI AC 1/8 N3/8 JN JA

- Steel round ring
- NBR O-ring - 30°C
- Thread NPT N3/8
- Tube Ø 1/8
- Cationic electropaint steel
- Taper male union full pass

The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

TAPER MALE UNION FULL PASS BSPT

Tube O.D. mm inch		A	B	L	I	Order code steel
6	G1/4	17	14	19	12.5	8213-120-0672
8	G3/8	19	19	19	12.5	8213-120-0873
10	G3/8	22	19	21	12.5	8213-120-1073
12	G1/2	24	22	22	17.5	8213-120-1274
14	G3/4	27	30	24	19	8213-120-1475
15	G3/4	27	30	27	19	8213-120-1575
16	G3/4	30	30	26	19	8213-120-1675
18	G1"	30	36	27	21	8213-120-1876
20	G1"	32	36	28	21	8213-120-2076
22	G1"	36	36	28	21	8213-120-2276
25	G1"1/4	41	46	30	24	8213-120-2577
28	G1"1/4	46	46	30	24	8213-120-2877
30	G1"1/4	46	46	33	24	8213-120-3077
35	G1"1/2	50	50	35	24	8213-120-3578
38	G2"	55	65	39	27	8213-120-3879
40	G2"	60	65	38	27	8213-120-4079
44.5	G2"	65	65	41	27	8213-120-4479
10.2	1/8 G3/8	22	19	23	12.5	8213-110-7173
13.5	1/4 G3/4	27	30	24	19	8213-110-7275
17.2	3/8 G3/4	30	30	27	19	8213-110-7375
21.3	1/2 G1"	36	36	28	21	8213-110-7476
26.9	3/4 G1"1/4	46	46	30	24	8213-110-7577
33.7	1" G1"1/2	50	50	34	24	8213-110-7678
42.4	1"1/4 G2"	65	65	39	27	8213-110-7779

TAPER MALE UNION FULL PASS NPT

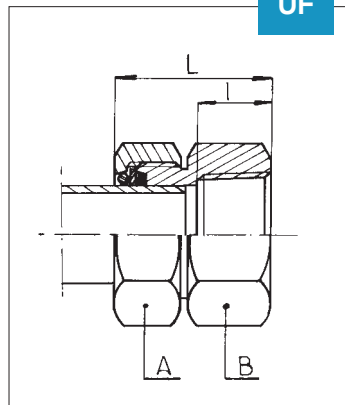
Tube O.D. mm inch		A	B	L	I	Order code steel
6	N1/4	17	17	19	12	7913-120-0672
8	N3/8	19	19	19	12	7913-120-0873
10	N3/8	22	19	21	12	7913-120-1073
12	N1/2	24	24	22	16	7913-120-1274
14	N3/4	27	30	24	16	7913-120-1475
15	N3/4	27	30	27	16	7913-120-1575
16	N3/4	30	30	26	16	7913-120-1675
18	N1"	30	36	27	20	7913-120-1876
20	N1"	32	36	28	20	7913-120-2076
22	N1"	36	36	28	20	7913-120-2276
25	N1"1/4	41	46	30	20	7913-120-2577
28	N1"1/4	46	46	30	20	7913-120-2877
30	N1"1/4	46	46	33	20	7913-120-3077
35	N1"1/2	50	50	35	22	7913-120-3578
38	N2"	55	65	39	22	7913-120-3879
40	N2"	60	65	38	22	7913-120-4079
44.5	N2"	65	65	41	22	7913-120-4479
10.2	1/8 N3/8	22	19	23	12	7913-110-7173
13.5	1/4 N3/4	27	30	24	16	7913-110-7275
17.2	3/8 N3/4	30	30	27	16	7913-110-7375
21.3	1/2 N1"	36	36	28	20	7913-110-7476
26.9	3/4 N1"1/4	46	46	30	20	7913-110-7577
33.7	1" N1"1/2	50	50	34	22	7913-110-7678
42.4	1"1/4 N2"	65	65	39	22	7913-110-7779



«vebeo®» fittings

■ Female union BSPP - ISO

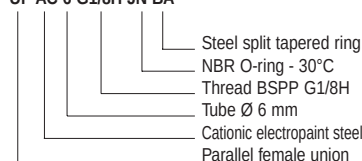
UF



For ordering :

The fitting with the order code **0413-120-0671** is also defined by the description number :

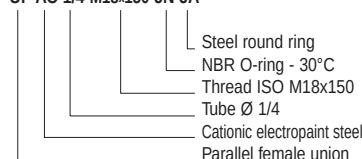
UF AC 6 G1/8H JN BA



For ordering :

The fitting with the order code **0413-110-7218** is also defined by the description number :

UF AC 1/4 M18x150 JN JA



The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

PARALLEL FEMALE UNION BSPP

Tube O.D. mm inch			A	B	L	I	Weight (g)		Order code steel
							steel	brass	
6	G1/8H		17	14	24	8	30	34	0413-120-0671
8	G1/4H		19	19	26	10	40	46	0413-120-0872
10	G1/4H		22	19	28	10	50	57	0413-120-1072
12	G3/8H		24	22	30	12	65	74	0413-120-1273
14	G3/8H		27	24	30	12	60	69	0413-120-1473
15	G3/8H		27	24	33	12	65	74	0413-120-1573
16	G3/8H		30	27	32	12	95	109	0413-120-1673
18	G1/2H		30	27	35	13.5	100	115	0413-120-1874
20	G1/2H		32	30	36	12.5	100	115	0413-120-2074
22	G1/2H		36	36	36	12.5	125	143	0413-120-2274
25	G3/4H		41	36	37	14	200	230	0413-120-2575
28	G1"H		46	41	41	18.5	230	264	0413-120-2876
30	G1"H		46	46	44	18.5	230	264	0413-120-3076
35	G1"1/4H		50	50	48	20.5	320	368	0413-120-3577
38	G1"1/4H		55	50	48	20.5	350	402	0413-120-3877
40	G1"1/2H		60	60	48	21.5	640	736	0413-120-4078
44.5	G1"1/2H		65	65	51	21.5	652	749	0413-120-4478
10.2	1/8	G1/4H	22	19	29	10	50	57	0413-110-7172
13.5	1/4	G1/4H	27	24	28	10	75	86	0413-110-7272
17.2	3/8	G3/8H	30	27	32	12	110	126	0413-110-7373
21.3	1/2	G1/2H	36	32	35	12.5	165	189	0413-110-7474
26.9	3/4	G3/4H	46	41	37	13.5	195	224	0413-110-7575
33.7	1"	G1"H	50	46	44	17	315	362	0413-110-7676
42.4	1"1/4	G1"1/4H	65	60	49	17.5	602	692	0413-110-7777
48.3	1"1/2	G1"1/2H	70	65	52	18.5	710	816	0413-110-7878
60.3	2"	G2"H	85	80	59	20	930	1069	0413-110-7979

PARALLEL FEMALE UNION ISO

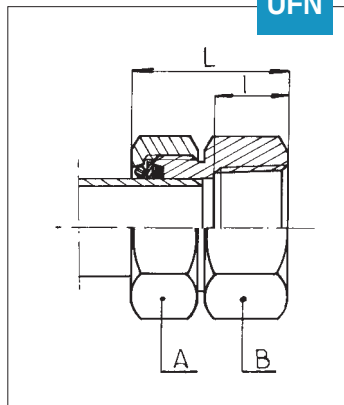
Tube O.D. mm inch			A	B	L	I	Weight (g)		Order code steel
							steel	brass	
6	M10x100		17	14	23.5	8	30	34	0413-120-0610
8	M12x100		19	17	23.5	8	40	46	0413-120-0812
10	M14x150		22	19	28	10	50	57	0413-120-1014
12	M16x150		24	22	28	10	65	74	0413-120-1216
14	M18x150		27	24	30	12	60	69	0413-120-1418
15	M18x150		27	24	31.5	12	65	74	0413-120-1518
16	M20x150		30	27	32	12	95	109	0413-120-1620
18	M22x150		30	30	34	13	100	115	0413-120-1822
20	M24x150		32	32	34	13	100	115	0413-120-2024
22	M24x150		36	36	35	13	125	143	0413-120-2224
25	M30x150		41	41	37	15	200	230	0413-120-2530
28	M33x200		46	41	39	16	230	264	0413-120-2833
30	M33x200		46	46	41	16	230	264	0413-120-3033
35	M39x200		50	46	45	17	295	339	0413-120-3539
38	M42x200		55	50	44	17	350	402	0413-120-3842
40	M45x200		60	55	49	17	425	488	0413-120-4045
44.5	M48x200		65	65	51	17	500	575	0413-120-4448
10.2	1/8	M14x150	22	19	28	10	50	57	0413-110-7114
13.5	1/4	M18x150	27	24	30	12	75	86	0413-110-7218
17.2	3/8	M20x150	30	27	32	12	110	126	0413-110-7320
21.3	1/2	M24x150	36	32	34	13	165	189	0413-110-7424
26.9	3/4	M30x150	46	41	37	15	195	224	0413-110-7530
33.7	1"	M39x200	50	46	42	17	315	362	0413-110-7639
42.4	1"1/4	M45x200	65	60	45	17	890	1023	0413-110-7745
48.3	1"1/2	M48x200	70	65	47	15.5	710	816	0413-110-7848
60.3	2"	M60x200	85	80	55	15.5	930	1069	0413-110-7960



«vebeo®» fittings

■ Female union NPT

UFN



For ordering :

The fitting with the order code **2113-120-0671** is also defined by the description number :

UFN AC 6 N1/8 JN BA

- Steel split tapered ring
- NBR O-ring - 30°C
- Thread NPT N1/8
- Tube Ø 6 mm
- Cationic electropaint steel
- Taper female union

TAPER FEMALE UNION NPT

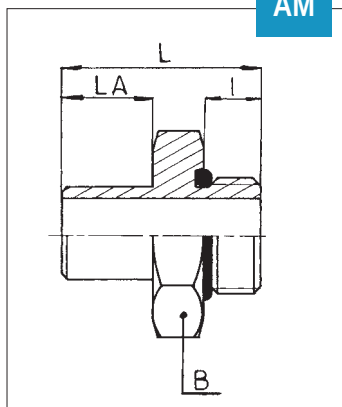
Tube O.D.			A	B	L	I	Weight (g)		Order code
							steel	brass	
6		N1/8	17	14	24	8	35	40	2113-120-0671
8		N1/4	19	17	30.5	12	45	51	2113-120-0872
10		N1/4	22	19	29	12	55	63	2113-120-1072
12		N3/8	24	22	30.5	12	65	74	2113-120-1273
14		N3/8	27	24	30.5	12	80	92	2113-120-1473
15		N3/8	27	24	31.5	11.5	88	101	2113-120-1573
16		N3/8	30	27	32	11.5	100	115	2113-120-1673
18		N1/2	30	27	37	16	90	103	2113-120-1874
20		N1/2	32	30	38	15	120	138	2113-120-2074
22		N1/2	36	36	39	15	130	149	2113-120-2274
25		N3/4	41	36	38	15	180	207	2113-120-2575
28		N1"	46	41	43	20	235	270	2113-120-2876
30		N1"	46	46	45.5	18.5	300	345	2113-120-3076
35		N1"1/4	50	50	49	20	370	425	2113-120-3577
38		N1"1/4	55	50	47	20	360	414	2113-120-3877
40		N1"1/2	60	55	50	22	435	500	2113-120-4078
44.5		N1"1/2	65	65	51	22	520	598	2113-120-4478
10.2	1/8	N1/4	22	19	29	12	60	69	2113-110-7172
13.5	1/4	N1/4	27	24	30.5	11.5	80	92	2113-110-7272
17.2	3/8	N3/8	30	27	32	11.5	100	115	2113-110-7373
21.3	1/2	N1/2	36	32	37	15	150	172	2113-110-7474
26.9	3/4	N3/4	46	41	38	14.5	260	299	2113-110-7575
33.7	1"	N1"	50	46	45.5	19	300	345	2113-110-7676
42.4	1"1/4	N1"1/4	65	60	48	17	575	661	2113-110-7777
48.3	1"1/2	N1"1/2	70	65	52	19	710	816	2113-110-7878
60.3	2"	N2"	85	80	57	18.5	975	1121	2113-110-7979

The above listed order codes are for standard fittings. Other materials, sizes and equipment can be realised on request.

«vebeo®» fittings

■ Male stem adaptor BSPP - ISO

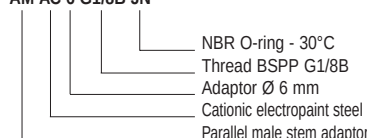
AM



For ordering :

The fitting with the order code **0613-109-0671** is also defined by the description number :

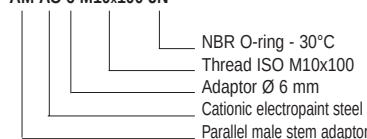
AM AC 6 G1/8B JN



For ordering :

The fitting with the order code **0613-109-0610** is also defined by the description number :

AM AC 6 M10x100 JN



The above listed order codes are for standard fittings. Other materials, sizes and equipment can be realised on request.

PARALLEL MALE STEM ADAPTOR BSPP

Tube O.D. mm inch			B	LA	L	I	Weight (g)		Order code steel
							steel	brass	
6		G1/8B	17	16	28	6	15	17	0613-109-0671
8		G1/4B	22	18	33	8	20	23	0613-109-0872
10		G1/4B	22	18	33	8	25	28	0613-109-1072
12		G3/8B	24	20	35	8	30	34	0613-109-1273
14		G3/8B	24	20	35	8	35	40	0613-109-1473
15		G3/8B	24	22	37	8	40	46	0613-109-1573
16		G3/8B	24	22	37	10	40	46	0613-109-1673
18		G1/2B	32	24	43	10	80	92	0613-109-1874
20		G1/2B	32	26	45	10	85	97	0613-109-2074
22		G1/2B	32	28	47	10	90	103	0613-109-2274
25		G3/4B	36	30	53	14	100	115	0613-109-2575
28		G1" B	46	30	55	14	130	149	0613-109-2876
30		G1" B	46	32	57	14	145	166	0613-109-3076
35		G1" 1/4 B	60	34	66	16	295	339	0613-109-3577
38		G1" 1/4 B	60	36	68	16	300	345	0613-109-3877
40		G1" 1/2 B	65	36	68	16	430	494	0613-109-4078
44.5		G1" 1/2 B	65	40	72	16	445	511	0613-109-4478
10.2	1/8	G1/4B	22	18	33	8	25	28	0613-109-7172
13.5	1/4	G1/4B	22	20	35	8	35	40	0613-109-7272
17.2	3/8	G3/8B	24	24	39	8	45	51	0613-109-7373
21.3	1/2	G1/2B	32	26	45	10	90	103	0613-109-7474
26.9	3/4	G3/4B	36	30	53	14	120	138	0613-109-7575
33.7	1"	G1" B	46	34	59	14	170	195	0613-109-7676
42.4	1" 1/4	G1" 1/4 B	60	40	72	16	423	486	0613-109-7777
48.3	1" 1/2	G1" 1/2 B	65	42	74	16	475	546	0613-109-7878
60.3	2"	G2" B	75	49	83	18	715	822	0613-109-7979

PARALLEL MALE STEM ADAPTOR ISO

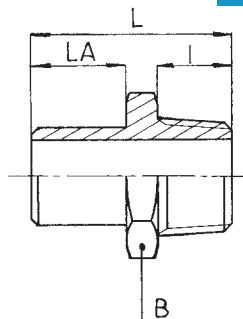
Tube O.D. mm inch			B	LA	L	I	Weight (g)		Order code steel
							steel	brass	
6		M10x100	17	16	29	7	15	17	0613-109-0610
8		M12x100	22	18	32	7	20	23	0613-109-0812
10		M14x150	22	18	34	9	20	23	0613-109-1014
12		M16x150	24	20	36	9	25	28	0613-109-1216
14		M18x150	27	20	38	11	25	28	0613-109-1418
15		M18x150	27	22	40	11	35	40	0613-109-1518
16		M20x150	27	22	41	11	45	51	0613-109-1620
18		M22x150	32	24	45	12	65	74	0613-109-1822
20		M24x150	36	26	47	12	95	109	0613-109-2024
22		M27x150	36	28	51	14	100	115	0613-109-2227
25		M30x150	41	30	54	14	140	161	0613-109-2530
28		M33x200	46	30	56	15	150	172	0613-109-2833
30		M33x200	46	32	58	15	160	184	0613-109-3033
35		M39x200	50	34	62	16	202	232	0613-109-3539
38		M42x200	60	36	68	16	370	425	0613-109-3842
40		M45x200	60	36	68	16	370	425	0613-109-4045
44.5		M48x200	65	40	72	16	450	517	0613-109-4448
10.2	1/8	M14x150	22	18	32	9	18	20	0613-109-7114
13.5	1/4	M18x150	27	20	38	11	35	40	0613-109-7218
17.2	3/8	M20x150	27	24	43	11	50	57	0613-109-7320
21.3	1/2	M24x150	36	26	47	12	100	115	0613-109-7424
26.9	3/4	M30x150	41	30	54	14	140	161	0613-109-7530
33.7	1"	M39x200	50	34	62	16	205	235	0613-109-7639
42.4	1" 1/4	M45x200	60	40	72	16	470	540	0613-109-7745
48.3	1" 1/2	M48x200	65	42	74	16	475	546	0613-109-7848
60.3	2"	M60x200	80	49	83	20	745	856	0613-109-7960



«vebeo®» fittings

■ Male stem adaptor BSPT - NPT

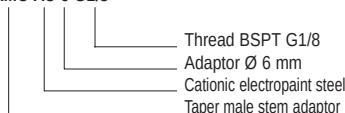
AMC



For ordering :

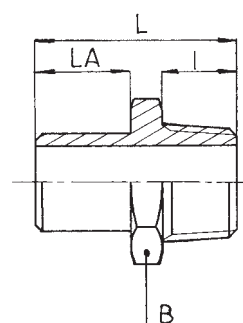
The fitting with the order code **0713-009-0671** is also defined by the description number :

AMC AC 6 G1/8



Thread BSPT G1/8
Adaptor Ø 6 mm
Cationic electropaint steel
Taper male stem adaptor

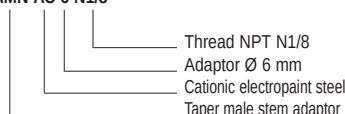
AMN



For ordering :

The fitting with the order code **2413-009-0671** is also defined by the description number :

AMN AC 6 N1/8



Thread NPT N1/8
Adaptor Ø 6 mm
Cationic electropaint steel
Taper male stem adaptor

The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

TAPER MALE STEM ADAPTOR BSPT

Tube O.D. mm inch			B	LA	L	I	Weight (g)		Order code steel
							steel	brass	
6		G1/8	12	16	31	9.5	10	11	0713-009-0671
8		G1/4	14	18	36	12.5	15	17	0713-009-0872
10		G1/4	14	18	36	12.5	15	17	0713-009-1072
12		G3/8	19	20	38	12.5	25	28	0713-009-1273
14		G3/8	19	20	38	12.5	25	28	0713-009-1473
15		G3/8	19	22	40	12.5	30	34	0713-009-1573
16		G3/8	19	22	40	12.5	35	40	0713-009-1673
18		G1/2	22	24	49	17.5	50	57	0713-009-1874
20		G1/2	22	26	51	17.5	55	63	0713-009-2074
22		G1/2	24	28	53	17.5	55	63	0713-009-2274
25		G3/4	30	30	58	19	125	143	0713-009-2575
28		G1"	36	30	60	21	130	149	0713-009-2876
30		G1"	36	32	62	21	160	184	0713-009-3076
35		G1"1/4	46	34	69	24	200	230	0713-009-3577
38		G1"1/4	46	36	71	24	292	335	0713-009-3877
40		G1"1/2	50	36	72	24	385	442	0713-009-4078
44.5		G1"1/2	50	40	76	24	420	483	0713-009-4478
10.2	1/8	G1/4	14	18	36	12.5	15	17	0713-009-7172
13.5	1/4	G1/4	14	20	38	12.5	15	17	0713-009-7272
17.2	3/8	G3/8	19	24	42	12.5	35	40	0713-009-7373
21.3	1/2	G1/2	22	26	51	17.5	60	69	0713-009-7474
26.9	3/4	G3/4	30	30	58	19	144	165	0713-009-7575
33.7	1"	G1"	36	34	64	21	211	242	0713-009-7676
42.4	1"1/4	G1"1/4	46	40	75	24	386	443	0713-009-7777
48.3	1"1/2	G1"1/2	50	42	78	24	494	568	0713-009-7878
60.3	2"	G2"	65	49	92	27	906	1041	0713-009-7979

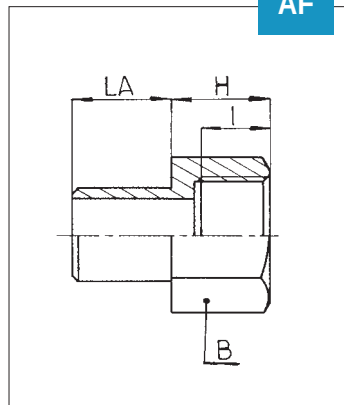
TAPER MALE STEM ADAPTOR NPT

Tube O.D. mm inch			B	LA	L	I	Weight (g)		Order code steel
							steel	brass	
6		N1/8	12	16	29.5	8	10	11	2413-009-0671
8		N1/4	17	18	35.5	12	20	23	2413-009-0872
10		N1/4	17	18	35.5	12	20	23	2413-009-1072
12		N3/8	19	20	37.5	12	25	28	2413-009-1273
14		N3/8	19	20	37.5	12	25	28	2413-009-1473
15		N3/8	19	22	39.5	12	27	31	2413-009-1573
16		N3/8	19	22	39.5	12	35	40	2413-009-1673
18		N1/2	24	24	47	16	60	69	2413-009-1874
20		N1/2	24	26	49	16	65	74	2413-009-2074
22		N1/2	24	28	51	16	70	80	2413-009-2274
25		N3/4	30	30	55	16	100	115	2413-009-2575
28		N1"	36	30	59	20	100	115	2413-009-2876
30		N1"	36	32	61	20	135	155	2413-009-3076
35		N1"1/4	46	34	65	20	195	224	2413-009-3577
38		N1"1/4	46	36	67	20	200	230	2413-009-3877
40		N1"1/2	50	36	70	22	255	293	2413-009-4078
44.5		N1"1/2	50	40	74	22	330	379	2413-009-4478
10.2	1/8	N1/4	17	18	35.5	12	20	23	2413-009-7172
13.5	1/4	N1/4	17	20	37.5	12	20	23	2413-009-7272
17.2	3/8	N3/8	19	24	41.5	12	35	40	2413-009-7373
21.3	1/2	N1/2	24	26	49	16	70	80	2413-009-7474
26.9	3/4	N3/4	30	30	55	16	105	120	2413-009-7575
33.7	1"	N1"	36	34	63	20	160	184	2413-009-7676
42.4	1"1/4	N1"1/4	46	40	71	20	270	310	2413-009-7777
48.3	1"1/2	N1"1/2	50	42	76	22	340	391	2413-009-7878
60.3	2"	N2"	65	49	87	22	899	1033	2413-009-7979

«vebeo®» fittings

■ Female stem adaptor BSPP-ISO

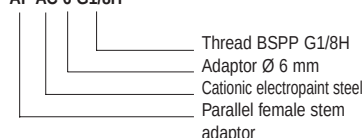
AF



For ordering :

The fitting with the order **0813-009-0671** is also defined by the description number :

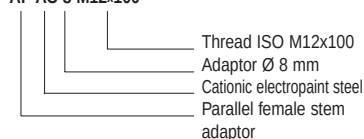
AF AC 6 G1/8H



For ordering :

The fitting with the order code **0813-009-0812** is also defined by the description number :

AF AC 8 M12x100



The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

PARALLEL FEMALE STEM ADAPTOR BSPP

Tube O.D. mm inch			B	LA	H	I	Weight (g)		Order code steel
							steel	brass	
6		G1/8H	14	16	13	8	15	17	0813-009-0671
8		G1/4H	19	18	15	10	35	40	0813-009-0872
10		G1/4H	19	18	15	10	30	34	0813-009-1072
12		G3/8H	22	20	17	12	50	57	0813-009-1273
14		G3/8H	22	20	17	12	50	57	0813-009-1473
15		G3/8H	22	22	17	12	60	69	0813-009-1573
16		G3/8H	22	22	17	12	65	74	0813-009-1673
18		G1/2H	27	24	19.5	13.5	75	86	0813-009-1874
20		G1/2H	27	26	19.5	13.5	80	92	0813-009-2074
22		G1/2H	27	28	19.5	13.5	85	97	0813-009-2274
25		G3/4H	32	30	21	15	95	109	0813-009-2575
28		G1" H	41	30	25.5	18.5	225	258	0813-009-2876
30		G1" H	41	32	25.5	18.5	200	230	0813-009-3076
35		G1" 1/4H	50	34	29.5	20.5	300	345	0813-009-3577
38		G1" 1/4H	50	36	29.5	20.5	305	350	0813-009-3877
40		G1" 1/2H	60	36	30.5	21.5	460	529	0813-009-4078
44.5		G1" 1/2H	60	40	30.5	21.5	540	621	0813-009-4478
10.2	1/8	G1/4H	19	18	15	10	29	33	0813-009-7172
13.5	1/4	G1/4H	19	20	15	10	35	40	0813-009-7272
17.2	3/8	G3/8H	22	24	17	12	55	63	0813-009-7373
21.3	1/2	G1/2H	27	26	19.5	13.5	75	86	0813-009-7474
26.9	3/4	G3/4H	32	30	21	15	90	103	0813-009-7575
33.7	1"	G1" H	41	34	25.5	18.5	185	212	0813-009-7676
42.4	1" 1/4	G1" 1/4H	50	40	29.5	20.5	280	322	0813-009-7777
48.3	1" 1/2	G1" 1/2H	60	42	30.5	21.5	470	540	0813-009-7878
60.3	2"	G2" H	70	49	35.5	23.5	790	908	0813-009-7979

PARALLEL FEMALE STEM ADAPTOR ISO

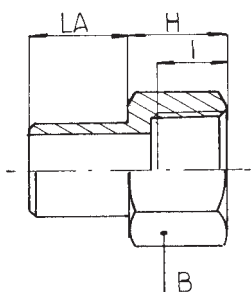
Tube O.D. mm inch			B	LA	H	I	Weight (g)		Order code steel
							steel	brass	
6		M10x100	14	16	12	8	15	17	0813-009-0610
8		M12x100	17	18	12	8	20	23	0813-009-0812
10		M14x150	19	18	15	10	30	34	0813-009-1014
12		M16x150	22	20	15	10	40	46	0813-009-1216
14		M18x150	24	20	17	12	50	57	0813-009-1418
15		M18x150	24	22	17	12	60	69	0813-009-1518
16		M20x150	27	22	18	12	70	80	0813-009-1620
18		M22x150	30	24	19	13	85	97	0813-009-1822
20		M24x150	32	26	19	13	95	109	0813-009-2024
22		M24x150	32	28	19	13	130	149	0813-009-2224
25		M30x150	41	30	21	15	190	218	0813-009-2530
28		M33x200	41	30	23	16	175	201	0813-009-2833
30		M33x200	41	32	23	16	175	201	0813-009-3033
35		M39x200	46	34	25	17	230	264	0813-009-3539
38		M42x200	50	36	26	17	275	316	0813-009-3842
40		M45x200	55	36	26	17	340	391	0813-009-4045
44.5		M48x200	60	40	27	17	545	626	0813-009-4448
10.2	1/8	M14x150	19	18	15	10	29	33	0813-009-7114
13.5	1/4	M18x150	24	20	17	12	50	57	0813-009-7218
17.2	3/8	M20x150	27	24	18	12	67	77	0813-009-7320
21.3	1/2	M24x150	32	26	19	13	100	115	0813-009-7424
26.9	3/4	M30x150	41	30	21	15	185	212	0813-009-7530
33.7	1"	M39x200	46	34	25	17	230	264	0813-009-7639
42.4	1" 1/4	M45x200	55	40	26	17	350	402	0813-009-7745
48.3	1" 1/2	M48x200	60	42	27	17	450	517	0813-009-7848
60.3	2"	M60x200	70	49	31	19	680	782	0813-009-7960



«vebeo®» fittings

■ Female stem adaptor NPT ■ Reducing union adaptor

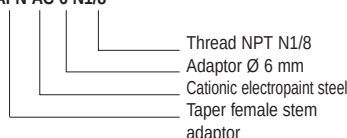
AFN



For ordering :

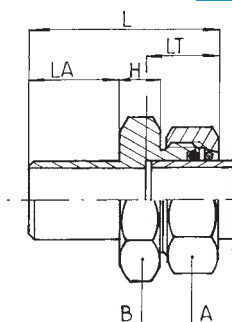
The fitting with the order code **2313-009-0671** is also defined by the description number :

AFN AC 6 N1/8



Thread NPT N1/8
Adaptor Ø 6 mm
Cationic electropaint steel
Taper female stem adaptor

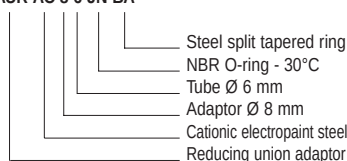
AUR



For ordering :

The fitting with the order code **0513-120-0806** is also defined by the description number :

AUR AC 8 6 JN BA



Steel split tapered ring
NBR O-ring - 30°C
Tube Ø 6 mm
Adaptor Ø 8 mm
Cationic electropaint steel
Reducing union adaptor

TAPER FEMALE STEM ADAPTOR NPT

Tube O.D. mm	inch		B	LA	H	I	Weight (g)		Order code steel
							steel	brass	
6		N1/8	12	16	13	8	15	17	2313-009-0671
8		N1/4	17	18	17	12	40	46	2313-009-0872
10		N1/4	17	18	17	12	40	46	2313-009-1072
12		N3/8	22	20	17	12	55	63	2313-009-1273
14		N3/8	22	20	17	12	55	63	2313-009-1473
15		N3/8	22	22	17	12	58	66	2313-009-1573
16		N3/8	22	22	17	12	60	69	2313-009-1673
18		N1/2	27	24	22	16	80	92	2313-009-1874
20		N1/2	27	26	22	16	85	97	2313-009-2074
22		N1/2	27	28	22	16	90	103	2313-009-2274
25		N3/4	32	30	22	16	125	143	2313-009-2575
28		N1"	41	30	27	20	175	201	2313-009-2876
30		N1"	41	32	27	20	200	230	2313-009-3076
35		N1 1/4"	50	34	29	20	314	361	2313-009-3577
38		N1 1/4"	50	36	29	20	400	460	2313-009-3877
40		N1 1/2"	55	36	31	22	455	523	2313-009-4078
44.5		N1 1/2"	55	40	31	22	395	454	2313-009-4478
10.2	1/8	N1/4	17	18	17	12	38	43	2313-009-7172
13.5	1/4	N1/4	17	20	17	12	40	46	2313-009-7272
17.2	3/8	N3/8	22	24	17	12	45	51	2313-009-7373
21.3	1/2	N1/2	27	26	22	16	80	92	2313-009-7474
26.9	3/4	N3/4	32	30	22	16	125	143	2313-009-7575
33.7	1"	N1"	41	34	27	20	195	224	2313-009-7676
42.4	1 1/4"	N1 1/4"	50	40	29	20	365	419	2313-009-7777
48.3	1 1/2"	N1 1/2"	55	42	31	22	455	523	2313-009-7878
60.3	2"	N2"	70	49	34	22	940	1081	2313-009-7979

REDUCING UNION ADAPTOR

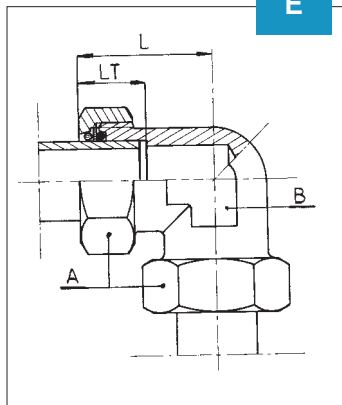
Adaptor O.D. mm	inch	Tube O.D. mm	inch	A	B	L	LA	H	LT	Weight (g)		Order code steel
										steel	brass	
8		6		17	14	37	18	5.5	16	28	32	0513-120-0806
10		8		19	17	37	18	5.5	16	32	36	0513-120-1008
12		10		22	19	41	20	5.5	18	48	55	0513-120-1210
14		12		24	22	43	20	7	19	58	66	0513-120-1412
15		12		24	22	46	22	7	19	66	75	0513-120-1512
16		14		27	24	44	22	7	19	104	119	0513-120-1614
18		16		30	27	48	24	7	21	120	138	0513-120-1816
20		18		30	27	52	26	7	22	110	126	0513-120-2018
22		20		32	30	56	28	9	23	141	162	0513-120-2220
25		22		36	36	59	30	9	24	197	226	0513-120-2522
28		25		41	36	58	30	9	23	188	216	0513-120-2825
30		28		46	41	61	32	10	24	272	312	0513-120-3028
35		32		50	46	67	34	11	27	340	391	0513-120-3532
38		30		46	46	69	36	11	27	361	415	0513-120-3830
44.5		38		55	50	75	40	12	29	437	502	0513-120-4438
17.2	3/8	13.5	1/4	27	24	47	24	7	19	91	104	0513-110-7372
21.3	1/2	17.2	3/8	30	27	51	26	7	21	121	139	0513-110-7473
26.9	3/4	21.3	1/2	36	32	58	30	9	23	189	217	0513-110-7574
33.7	1"	26.9	3/4	46	41	63	34	10	24	328	377	0513-110-7675
42.4	1 1/4"	33.7	1"	50	46	73	40	11	27	437	502	0513-110-7776
48.3	1 1/2"	42.4	1 1/4"	65	60	81	42	16	31	696	800	0513-110-7877
60.3	2"	48.3	1 1/2"	70	65	91	49	16	33	1063	1222	0513-110-7978

The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

«vebeo®» fittings

■ Equal elbow ■ Equal tee

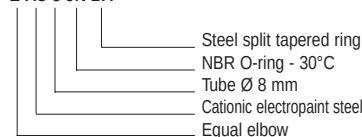
E



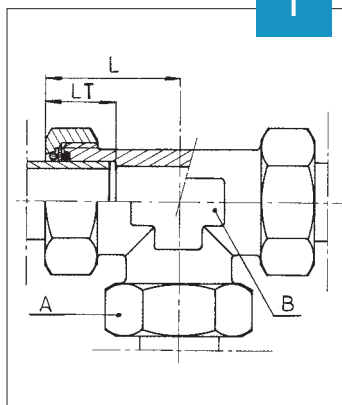
For ordering :

The fitting with the order code **5013-120-0800** is also defined by the description number :

E AC 8 JN BA



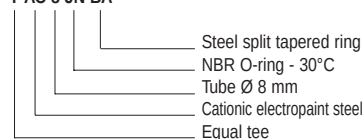
T



For ordering :

The fitting with the order code **3013-120-0800** is also defined by the description number :

T AC 8 JN BA



The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

EQUAL ELBOW

Tube O.D. mm inch	A	B	L	LT	Weight (g)		Order code steel
					steel	brass	
6	17	17	28	21	40	46	5013-120-0600
8	19	17	28	20	60	69	5013-120-0800
10	22	17	29	19	80	92	5013-120-1000
12	24	19	34	23	95	109	5013-120-1200
14	27	19	34	23	100	115	5013-120-1400
15	27	24	34	23	125	143	5013-120-1500
16	30	24	37	24	160	184	5013-120-1600
18	30	24	38	25	176	202	5013-120-1800
20	32	30	44	28	195	224	5013-120-2000
22	36	30	44	26	235	270	5013-120-2200
25	41	36	47	27	320	368	5013-120-2500
28	46	36	47	26	447	514	5013-120-2800
30	46	41	52	30	510	586	5013-120-3000
35	50	46	57	31	519	596	5013-120-3500
38	55	50	61	36	847	974	5013-120-3800
40	60	50	60	29	860	989	5013-120-4000
44.5	65	60	69	36	886	1018	5013-120-4400
10.2 1/8	22	17	28	19	78	89	5013-110-7100
13.5 1/4	27	19	34	23	110	126	5013-110-7200
17.2 3/8	30	24	38	24	152	174	5013-110-7300
21.3 1/2	36	30	43	25	225	258	5013-110-7400
26.9 3/4	46	36	47	26	390	448	5013-110-7500
33.7 1"	50	46	56	35	494	568	5013-110-7600
42.4 1 1/4	65	50	61	30	1002	1152	5013-110-7700
48.3 1 1/2	70	60	69	36	1166	1340	5013-110-7800
60.3 2"	85	70	80	47	2494	2868	5013-110-7900

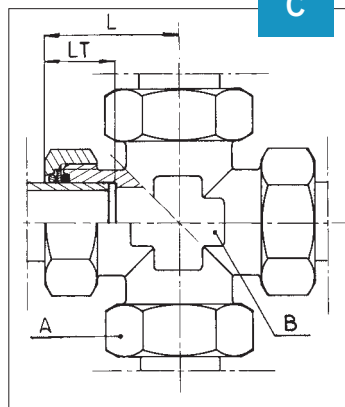
EQUAL TEE

Tube O.D. mm inch	A	B	L	LT	Weight (g)		Order code steel
					steel	brass	
6	17	17	28	21	60	69	3013-120-0600
8	19	17	28	20	75	86	3013-120-0800
10	22	17	29	19	95	109	3013-120-1000
12	24	19	34	23	130	149	3013-120-1200
14	27	19	34	23	150	172	3013-120-1400
15	27	24	34	23	180	207	3013-120-1500
16	30	24	37	24	200	230	3013-120-1600
18	30	24	38	25	229	263	3013-120-1800
20	32	30	44	28	235	270	3013-120-2000
22	36	30	44	26	295	339	3013-120-2200
25	41	36	47	27	445	511	3013-120-2500
28	46	36	47	26	633	727	3013-120-2800
30	46	41	52	30	750	862	3013-120-3000
35	50	46	57	31	800	920	3013-120-3500
38	55	50	61	36	948	1090	3013-120-3800
40	60	50	60	29	1050	1207	3013-120-4000
44.5	65	60	69	36	1144	1315	3013-120-4400
10.2 1/8	22	17	28	19	93	106	3013-110-7100
13.5 1/4	27	19	34	23	160	184	3013-110-7200
17.2 3/8	30	24	38	24	211	242	3013-110-7300
21.3 1/2	36	30	43	25	302	347	3013-110-7400
26.9 3/4	46	36	47	26	550	632	3013-110-7500
33.7 1"	50	46	56	35	663	762	3013-110-7600
42.4 1 1/4	65	50	61	30	1358	1561	3013-110-7700
48.3 1 1/2	70	60	69	36	1474	1695	3013-110-7800
60.3 2"	85	70	80	47	2991	3439	3013-110-7900



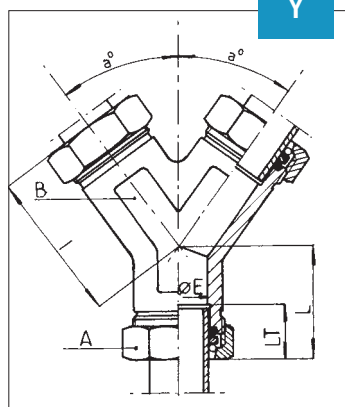
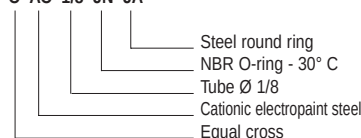
«vebeo®» fittings

■ Equal cross ■ Equal Y branch



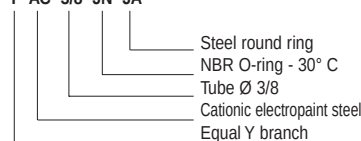
For ordering :
The fitting with the order code **4013-110-7100**
is also defined by the description number :

C AC 1/8 JN JA



For ordering :
The fitting with the order code **3513-110-7300**
is also defined by the description number :

Y AC 3/8 JN JA



The above listed order codes
are for standard fittings.
Other materials, sizes and equipment
can be realised on request.

EQUAL CROSS

Tube O.D. mm inch	A	B	L	LT	Weight (g)		Order code steel
					steel	brass	
6	17	17	28	21	75	86	4013-120-0600
8	19	17	28	20	115	132	4013-120-0800
10	22	17	29	19	150	172	4013-120-1000
12	24	19	34	23	175	201	4013-120-1200
14	27	19	34	23	190	218	4013-120-1400
15	27	24	34	23	245	281	4013-120-1500
16	30	24	37	24	303	348	4013-120-1600
18	30	24	38	25	337	387	4013-120-1800
20	32	30	44	28	360	414	4013-120-2000
22	36	30	44	26	440	506	4013-120-2200
25	41	36	47	27	600	690	4013-120-2500
28	46	36	47	26	811	932	4013-120-2800
30	46	41	52	30	980	1127	4013-120-3000
35	50	46	57	31	1220	1403	4013-120-3500
38	55	50	61	36	1548	1780	4013-120-3800
40	60	50	60	29	1660	1909	4013-120-4000
44.5	65	60	69	36	1807	2078	4013-120-4400
10.2	1/8	22	17	28	147	169	4013-110-7100
13.5	1/4	27	19	34	200	230	4013-110-7200
17.2	3/8	30	24	38	302	347	4013-110-7300
21.3	1/2	36	30	43	430	494	4013-110-7400
26.9	3/4	46	36	47	755	868	4013-110-7500
33.7	1	50	46	56	940	1081	4013-110-7600
42.4	1 1/4	65	50	61	1929	2218	4013-110-7700
48.3	1 1/2	70	60	69	2232	2566	4013-110-7800
60.3	2"	85	70	80	4579	5265	4013-110-7900

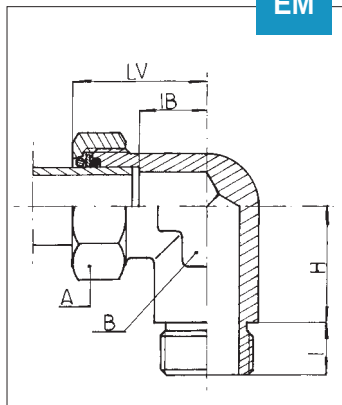
EQUAL Y BRANCH

Tube O.D. mm inch	A	B	L	LT	a°	I	E	Weight (g)		Order code steel
								steel	brass	
16	30	24	37	24	36	54	14	298	342	3513-120-1600
18	30	24	38	25	36	55	16	301	346	3513-120-1800
25	41	41	52	23	36	70	21	1000	1150	3513-120-2500
28	46	41	52	24	36	70	24	1078	1239	3513-120-2800
30	46	41	53	24.5	36	71	26	1013	1164	3513-120-3000
38	55	45	36	25	30	89	34	1245	1431	3513-120-3800
17.2	3/8	30	24	38	24	36	54	292	335	3513-110-7300
26.9	3/4	46	41	52	24	36	70	1080	1242	3513-110-7500
33.7	1"	50	41	48	20	36	66	910	1046	3513-110-7600
42.4	1 1/4	65	45	36	30	30	89	1286	1478	3513-110-7700

«vebeo®» fittings

■ Male elbow BSPP - ISO

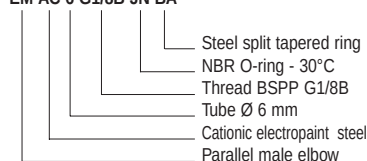
EM



For ordering :

The fitting with the order code **5213-120-0671** is also defined by the description number :

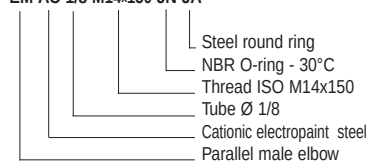
EM AC 6 G1/8B JN BA



For ordering :

The fitting with the order code **5213-110-7114** is also defined by the description number :

EM AC 1/8 M14x150 JN JA



PARALLEL MALE ELBOW BSPP

Tube O.D. mm inch			A	B	I	H	LV	IB	Weight (g)		Order code steel
									steel	brass	
6		G1/8B	17	17	6	21	28	7	50	57	5213-120-0671
8		G1/4B	19	19	8	22	32	12	75	86	5213-120-0872
10		G1/4B	22	19	8	22	32	11.5	80	92	5213-120-1072
12		G3/8B	24	24	8	29	36	15.5	115	132	5213-120-1273
14		G3/8B	27	24	8	29	36	15	120	138	5213-120-1473
15		G3/8B	27	24	8	29	37	11	166	190	5213-120-1573
16		G3/8B	30	24	8	29	36	13	120	138	5213-120-1673
18		G1/2B	30	30	10	32.5	43	18.5	170	195	5213-120-1874
20		G1/2B	32	30	10	32.5	44	15	195	224	5213-120-2074
22		G1/2B	36	30	10	32.5	44	18	205	235	5213-120-2274
25		G3/4B	41	36	14	35	47	20	320	368	5213-120-2575
28		G1" B	46	46	14	41	54	27.5	460	529	5213-120-2876
30		G1" B	46	46	14	41	55	27	455	523	5213-120-3076
35		G1" 1/4 B	50	50	16	48	61	34	750	862	5213-120-3577
38		G1" 1/4 B	55	50	16	48	61	25	720	828	5213-120-3877
40		G1" 1/2 B	60	60	16	53	66	34	1040	1196	5213-120-4078
10.2	1/8	G1/4B	22	19	8	22	32	11.5	80	92	5213-110-7172
13.5	1/4	G1/4B	27	19	8	22	34	11	80	92	5213-110-7272
17.2	3/8	G3/8B	30	24	8	29	38	14	125	143	5213-110-7373
21.3	1/2	G1/2B	36	30	10	32.5	43	18	205	235	5213-110-7474
26.9	3/4	G3/4B	46	36	14	35	47	21	295	339	5213-110-7575
33.7	1"	G1" B	50	46	14	41	56	21	470	540	5213-110-7676
42.4	1" 1/4	G1" 1/4 B	65	50	16	48	61	31	825	948	5213-110-7777

PARALLEL MALE ELBOW ISO

Tube O.D. mm inch			A	B	I	H	LV	IB	Weight (g)		Order code steel
									steel	brass	
6		M10x100	17	17	7	20	28	7	50	57	5213-120-0610
8		M12x100	19	19	7	23	32	12	65	74	5213-120-0812
10		M14x150	22	19	9	21	32	11.5	75	86	5213-120-1014
12		M16x150	24	24	9	28	36	15.5	105	120	5213-120-1216
14		M18x150	27	24	11	26	36	15	130	149	5213-120-1418
15		M18x150	27	24	11	26	37	11	140	161	5213-120-1518
16		M20x150	30	30	11	31.5	42	19	240	276	5213-120-1620
18		M22x150	30	30	12	30.5	43	18.5	200	230	5213-120-1822
20		M24x150	32	30	12	30.5	44	15	225	258	5213-120-2024
22		M24x150	36	30	12	30.5	44	18	285	327	5213-120-2224
25		M30x150	41	36	14	35	47	20	390	448	5213-120-2530
28		M33x200	46	46	15	40	54	27.5	435	500	5213-120-2833
30		M33x200	46	46	15	40	55	27	445	511	5213-120-3033
35		M39x200	50	50	16	48	61	34	765	879	5213-120-3539
38		M42x200	55	50	16	48	61	25	675	776	5213-120-3842
40		M45x200	60	50	16	53	66	34	950	1092	5213-120-4045
10.2	1/8	M14x150	22	19	9	21	32	11.5	75	86	5213-110-7114
13.5	1/4	M18x150	27	24	11	26	36	15	145	166	5213-110-7218
17.2	3/8	M20x150	30	30	11	31.5	42	19	155	178	5213-110-7320
21.3	1/2	M24x150	36	30	12	30.5	43	18	225	258	5213-110-7424
26.9	3/4	M30x150	46	36	14	35	47	21	370	425	5213-110-7530
33.7	1"	M39x200	50	50	16	48	59	29	795	914	5213-110-7639
42.4	1" 1/4	M45x200	65	60	16	53	67.5	31	1045	1201	5213-110-7745

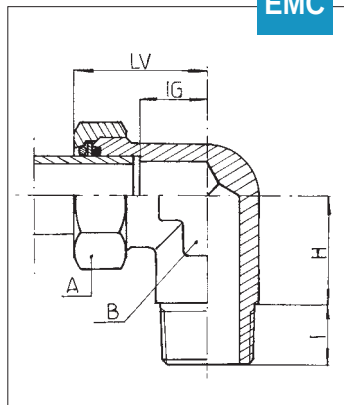
The above listed order codes are for standard fittings. Other materials, sizes and equipment can be realised on request.



«vebeo®» fittings

■ Male elbow BSPT - NPT

EMC

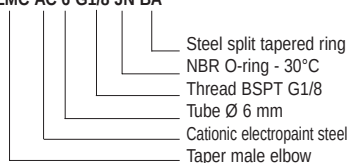


For ordering :

The fitting with the order code **5313-120-0671**

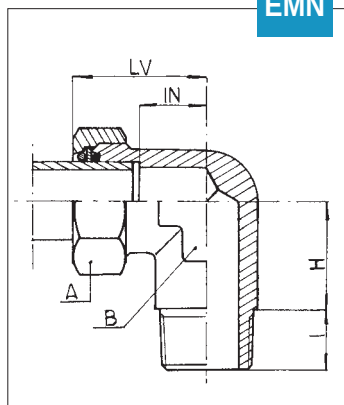
is also defined by the description number :

EMC AC 6 G1/8 JN BA



Steel split tapered ring
NBR O-ring - 30°C
Thread BSPT G1/8
Tube Ø 6 mm
Cationic electropaint steel
Taper male elbow

EMN

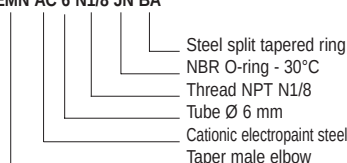


For ordering :

The fitting with the order code **5813-120-0671**

is also defined by the description number :

EMN AC 6 N1/8 JN BA



Steel split tapered ring
NBR O-ring - 30°C
Thread NPT N1/8
Tube Ø 6 mm
Cationic electropaint steel
Taper male elbow

TAPER MALE ELBOW BSPT

Tube O.D. mm	inch		A	B	I	H	LV	IG	Order code steel
6		G1/8	17	17	9.5	18.5	28	7	5313-120-0671
8		G1/4	19	17	12.5	15.5	28	8	5313-120-0872
10		G1/4	22	17	12.5	15.5	29	10	5313-120-1072
12		G3/8	24	19	12.5	18.5	34	11	5313-120-1273
14		G3/8	27	19	12.5	18.5	34	11	5313-120-1473
15		G3/8	27	24	12.5	25.5	37	11	5313-120-1573
16		G3/8	30	24	12.5	25.5	37	13	5313-120-1673
18		G1/2	30	24	17.5	20.5	38	14	5313-120-1874
20		G1/2	32	30	17.5	26	44	16	5313-120-2074
22		G1/2	36	30	17.5	26	44	18	5313-120-2274
25		G3/4	41	36	19	31	47	20	5313-120-2575
28		G1"	46	36	21	28	47	21	5313-120-2876
30		G1"	46	46	21	35	55	27	5313-120-3076
35		G1"1/4	50	46	24	32	57	26	5313-120-3577
38		G1"1/4	55	50	24	41	61	25	5313-120-3877
40		G1"1/2	60	50	24	41	60	31	5313-120-4078
10.2	1/8	G1/4	22	17	12.5	15.5	28	9	5313-110-7172
13.5	1/4	G1/4	27	19	12.5	18.5	34	11	5313-110-7272
17.2	3/8	G3/8	30	24	12.5	25.5	38	14	5313-110-7373
21.3	1/2	G1/2	36	30	17.5	26	43	18	5313-110-7474
26.9	3/4	G3/4	46	36	19	31	47	21	5313-110-7575
33.7	1	G1"	50	46	21	35	56	21	5313-110-7676
42.4	1"1/4	G1"1/4	65	50	24	41	61	31	5313-110-7777

TAPER MALE ELBOW NPT

Tube O.D. mm	inch		A	B	I	H	LV	IN	Order code steel
6		N1/8	17	17	8	19	28	7	5813-120-0671
8		N1/4	19	17	12	15	28	8	5813-120-0872
10		N1/4	22	17	12	15	29	10	5813-120-1072
12		N3/8	24	19	12	18	34	11	5813-120-1273
14		N3/8	27	19	12	18	34	11	5813-120-1473
15		N3/8	27	24	12	25	37	11	5813-120-1573
16		N3/8	30	24	12	25	37	13	5813-120-1673
18		N1/2	30	24	16	21	38	14	5813-120-1874
20		N1/2	32	30	16	27	44	16	5813-120-2074
22		N1/2	36	30	16	27	44	18	5813-120-2274
25		N3/4	41	36	16	33	47	20	5813-120-2575
28		N1"	46	36	20	29	47	21	5813-120-2876
30		N1"	46	46	20	35	55	27	5813-120-3076
35		N1"1/4	50	46	20	35	57	26	5813-120-3577
38		N1"1/4	55	50	20	44	61	25	5813-120-3877
40		N1"1/2	60	50	22	42	60	31	5813-120-4078
10.2	1/8	N1/4	22	17	12	15	28	9	5813-110-7172
13.5	1/4	N1/4	27	19	12	18	34	11	5813-110-7272
17.2	3/8	N3/8	30	24	12	25	38	14	5813-110-7373
21.3	1/2	N1/2	36	30	16	27	43	18	5813-110-7474
26.9	3/4	N3/4	46	36	16	33	47	21	5813-110-7575
33.7	1"	N1"	50	46	20	35	56	21	5813-110-7676
42.4	1"1/4	N1"1/4	65	50	20	44	61	31	5813-110-7777

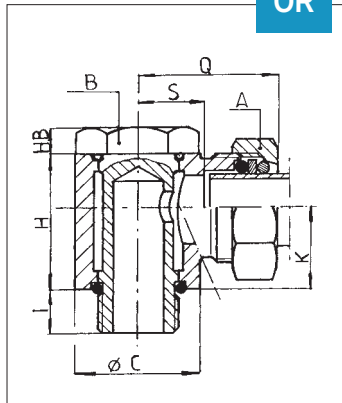
The above listed order codes
are for standard fittings.
Other materials, sizes and equipment
can be realised on request.



«vebeo®» fittings

■ Single banjo BSPP - ISO ■ Banjo reducer

OR



For ordering :

The fitting with the order code **6113-120-0671** is also defined by the description number :

OR AC 6 G1/8B JN BA

Steel split tapered ring
NBR O-ring -30°C
Thread BSPP G1/8
Tube Ø 6 mm
Cationic electropaint steel
Single banjo

PARALLEL SINGLE BANJO BSPP

Tube O.D.			I	C	H	B	HB	K	S	Q	A	Order code
mm	inch											steel
6		G1/8B	5.9	27.5	20.5	17	5	13	21	36.5	17	6113-120-0671
8		G1/4B	7.8	27.5	25.5	22	6	16	20	36.5	19	6113-120-0872
10		G1/4B	7.8	27.5	25.5	22	6	16	20	37	22	6113-120-1072
12		G3/8B	7.8	30	29.5	24	6	18	14.5	36	24	6113-120-1273
14		G3/8B	7.8	30	29.5	24	6	18	18	36	27	6113-120-1473
16		G3/8B	7.8	30	29.5	24	6	18	17	36.5	30	6113-120-1673
18		G1/2B	9.6	38	37	30	7	22	17.5	42	30	6113-120-1874
20		G1/2B	9.6	38	37	30	7	22	18.5	43	32	6113-120-2074
22		G1/2B	9.6	38	37	30	7	22	18	44	36	6113-120-2274
25		G3/4B	13.6	50	43	36	9	25.5	27.5	50.5	41	6113-120-2575
28		G1"B	14.1	50	41	41	9	30	27.5	50.5	46	6113-120-2876
30		G1"B	14.1	50	51	41	9	30	27	51.5	46	6113-120-3076
10.2	1/8	G1/4B	7.8	27.5	25.5	22	6	16	18.5	37	22	6113-110-7172
13.5	1/4	G1/4B	7.8	27.5	25.5	22	6	16	15.5	37.5	27	6113-110-7272
17.2	3/8	G3/8B	7.8	30	29.5	24	6	18	17	37	30	6113-110-7373
21.3	1/2	G1/2B	9.6	38	37	30	7	22	18	43	36	6113-110-7474
26.9	3/4	G3/4B	13.6	50	43	36	9	25.5	27.5	50.5	46	6113-110-7575
33.7	1"	G1"B	14.1	50	51	41	9	30	21	51.5	50	6113-110-7676

PARALLEL SINGLE BANJO ISO

Tube O.D.		I	C	H	B	HB	K	S	Q	A	Order code	
mm	inch										steel	
6		M10x100	6.9	27.5	20.5	17	5	13	21	36.5	17	6113-120-0610
8		M12x100	6.3	27.5	25.5	19	5	16	20	36.5	19	6113-120-0812
10		M14x150	8.8	27.5	25.5	22	6	16	20	37	22	6113-120-1014
12		M16x150	8.8	30	29.5	24	6	18	14.5	36	24	6113-120-1216
14		M18x150	10.8	30	29.5	27	6	18	18	36	27	6113-120-1418
16		M20x150	10.1	38	37	30	7	22	19	42	30	6113-120-1620
18		M22x150	10.1	38	37	32	7	22	17.5	42	30	6113-120-1822
20		M24x150	11.1	38	37	32	8	22	18.5	43	32	6113-120-2024
22		M24x150	11.1	38	37	32	8	22	18	44	36	6113-120-2224
25		M30x150	13.6	50	43	41	9	25.5	27.5	50.5	41	6113-120-2530
28		M33x200	14.6	50	51	41	9	30	25	50.5	46	6113-120-2833
30		M33x200	14.6	50	51	41	9	30	27	51.5	46	6113-120-3033
10.2	1/8	M14x150	8.8	27.5	25.5	22	6	16	20	37	22	6113-110-7114
13.5	1/4	M18x150	10.8	30	29.5	27	6	18	18	36	27	6113-110-7218
17.2	3/8	M20x150	10.1	38	37	30	7	22	19	42	30	6113-110-7320
21.3	1/2	M24x150	11.1	38	37	32	8	22	18	43	36	6113-110-7424
26.9	3/4	M30x150	13.6	50	43	41	9	37.5	27.5	50.5	46	6113-110-7530

PARALLEL BANJO REDUCER BSPP

6	G1/8B	5.9	17	20.5	17	5	12	7	28	17	21023300101
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PARALLEL BANJO REDUCER ISO

6	M10x100	5.9	17	20.5	17	5	12	7	28	17	21022600101
8	M12x100	6.3	17	25.5	19	5	16	8	29	19	21022000101

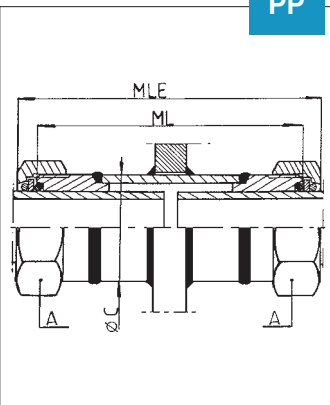
The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.



«vebeo®» fittings

■ Bridge union ■ 1/2 bridge union

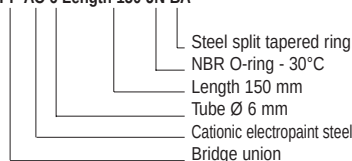
PP



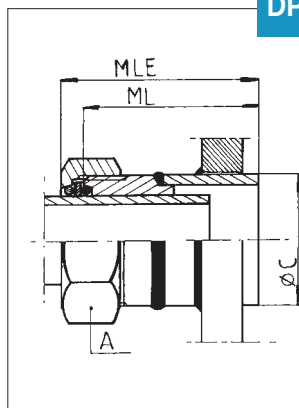
For ordering :

The fitting with the order code **1413-120-0615** is also defined by the description number :

PP AC 6 Length 150 JN BA



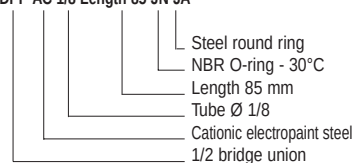
DPP



For ordering :

The fitting with the order code **1913-110-7108** is also defined by the description number :

DPP AC 1/8 Length 85 JN JA



The above listed order codes are for standard fittings.
Other materials, sizes and equipment can be realised on request.

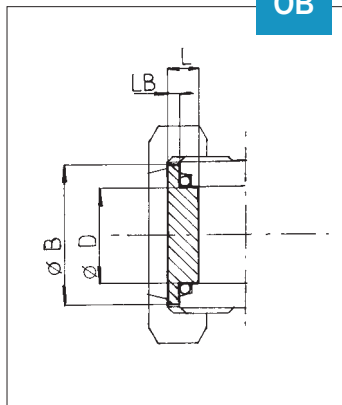
BRIDGE UNION - ML 150

Tube O.D.		A	C	MLE	Weight (g)	Order code
mm	inch				steel	steel
6		17	20	164	200	1413-120-0615
8		19	20	164	230	1413-120-0815
10		22	25	167	280	1413-120-1015
12		24	25	168	360	1413-120-1215
14		27	30	168	385	1413-120-1415
15		27	30	167	380	1413-120-1515
16		30	30	169	454	1413-120-1615
18		30	30	169	486	1413-120-1815
20		32	35	170	525	1413-120-2015
22		36	35	173	635	1413-120-2215
25		41	38	171	800	1413-120-2515
28		46	40	172	978	1413-120-2815
30		46	45	173	1100	1413-120-3015
35		50	51	178	1153	1413-120-3515
38		55	54	176	1202	1413-120-3815
40		60	57	176	1400	1413-120-4015
44.5		65	63.5	178	1900	1413-120-4415
10.2	1/8	22	25	167	276	1413-110-7115
13.5	1/4	27	30	168	400	1413-110-7215
17.2	3/8	30	30	169	438	1413-110-7315
21.3	1/2	36	35	170	590	1413-110-7415
26.9	3/4	46	40	170	885	1413-110-7515
33.7	1	50	51	173	1140	1413-110-7615
42.4	1 1/4	65	60.3	176	1838	1413-110-7715
48.3	1 1/2	70	70	176	1936	1413-110-7815
60.3	2	85	82.5	180	3069	1413-110-7915

According to the quantities, these items could be made in one piece

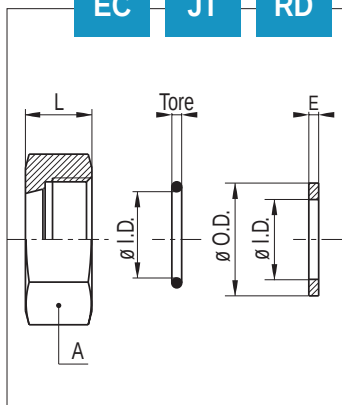
1/2 BRIDGE UNION

Tube O.D.		A	C	ML 85	Order code	ML100	ML150	ML200
mm	inch			MLE	steel	MLE	MLE	MLE
6		17	20	92	1913-120-0608	107	157	207
8		19	20	92	1913-120-0808	107	157	207
10		22	25	94	1913-120-1008	109	159	209
12		24	25	94	1913-120-1208	109	159	209
14		27	30	94	1913-120-1408	109	159	209
15		27	30	94	1913-120-1508	109	159	209
16		30	30	95	1913-120-1608	110	160	210
18		30	30	95	1913-120-1808	110	160	210
20		32	35	95	1913-120-2008	110	160	210
22		36	35	96	1913-120-2208	111	161	211
25		41	38	95	1913-120-2508	110	160	210
28		46	40	96	1913-120-2808	111	161	211
30		46	45	96	1913-120-3008	111	161	211
35		50	51	99	1913-120-3508	114	164	214
38		55	54	97	1913-120-3808	112	162	212
40		60	57	97	1913-120-4008	112	162	212
44.5		65	63.5	99	1913-120-4408	114	164	214
10.2	1/8	22	25	94	1913-110-7108	109	159	209
13.5	1/4	27	30	94	1913-110-7208	109	159	209
17.2	3/8	30	30	94.1	1913-110-7308	109	159	209
21.3	1/2	36	35	95	1913-110-7408	110	160	210
26.9	3/4	46	40	95	1913-110-7508	110	160	210
33.7	1"	50	51	96	1913-110-7608	111	161	211
42.4	1 1/4	65	60.3	98	1913-110-7708	113	163	213
48.3	1 1/2	70	70	98	1913-110-7808	113	163	213
60.3	2"	85	82.5	100	1913-110-7908	115	165	215

OB


For ordering :
The cap with the order code **1316-009-06**
is also defined by the description number :
OB AZ 6

Tube $\varnothing$ 6 mm
Steel Zn12 B/Fe
Cap

EC JT RD


For ordering :
Nut is defined :
EC AC 6

Tube $\varnothing$ 6 mm
Cationic electropaint steel
Nut

The above listed order codes
are for standard fittings.
Other materials, sizes and equipment
can be realised on request.

«vebeo®» fittings

■ Cap ■ Nut ■ O-ring ■ Washer

		CAP				Order code
Tube O.D.		B	D	L	LB	
mm	inch					
6		12.6	6	3.5	1.5	1316-009-06
8		14.6	8	3.5	1.5	1316-009-08
10		16	10	3.5	1.5	1316-009-10
12		18.9	12	4.5	1.5	1316-009-12
14		20.9	14	4.5	1.5	1316-009-14
15		21.9	15	4.5	1.5	1316-009-15
16		22.9	16	5	2	1316-009-16
18		24.8	18	5	2	1316-009-18
20		26.8	20	5	2	1316-009-20
22		30.8	22	6	2	1316-009-22
25		33.8	25	6.5	2.5	1316-009-25
28		35.7	28	6.5	2.5	1316-009-28
30		39.7	30	6.5	2.5	1316-009-30
35		43.7	35	6.5	2.5	1316-009-35
38		46.7	38	6.5	2.5	1316-009-38
40		49.7	40	7	3	1316-009-40
44.5		57.6	44.5	9	3	1316-009-44
10.2	1/8	16	10.2	3.5	1.5	1316-009-71
13.5	1/4	20.9	13.5	4.5	1.5	1316-009-72
17.2	3/8	23.9	17.2	5	2	1316-009-73
21.3	1/2	29.8	21.3	6	2	1316-009-74
26.9	3/4	35.8	26.9	6.5	2.5	1316-009-75
33.7	1"	43.7	33.7	6.5	2.5	1316-009-76
42.4	1 1/4	55.7	42.4	9	3	1316-009-77
48.3	1 1/2	60.6	48.3	9	3	1316-009-78
60.3	2"	73.6	60.3	9	3	1316-009-79

		NUT			O-RING			WASHER		
Tube O.D.		A	L	Weight (g)	$\varnothing$	Tore	N°	$\varnothing$	$\varnothing$	E
mm	inch			steel	I.D.			O.D.	I.D.(H12)	
6		17	10.5	10	4.9	1.9	4	12.6	6.2	1.2
8		19	10.5	10	7.2	1.9	6	14.6	8.2	1.2
10		22	12	20	8.9	1.9	7	16	10.2	1.5
12		24	12	20	10.5	2.7	9	18.9	12.2	1.5
14		27	12	30	13.6	2.7	11	20.9	14.2	1.5
15		27	13	25	13.6	2.7	11	21.9	15.2	1.5
16		30	13.5	36	15.1	2.7	12	22.9	16.2	2
18		30	14.5	32	16.9	2.7	13	24.8	18.2	2
20		32	15	36	18.4	2.7	14	26.8	20.2	2
22		36	15.5	45	21.3	3.6	17	30.8	22.2	2
25		41	15	63	23	3.6	18	33.8	25.2	2.5
28		46	15	83	26.2	3.6	20	35.7	28.2	2.5
30		46	16	66	27.8	3.6	21	39.7	30.2	2.5
35		50	18	70	34.1	3.6	25	43.7	35.2	2.5
38		55	17	105	35.6	3.6	26	46.7	38.2	2.5
40		60	16	120	37.3	3.6	27	49.7	40.2	3
44.5		65	18.5	130	43.82	5.33	30	57.6	44.8	3
10.2	1/8	22	12	15	8.9	1.9	7	16	10.4	1.5
13.5	1/4	27	12	27	12.1	2.7	10	20.9	14	1.5
17.2	3/8	30	14	35	15.1	2.7	12	23.9	17.7	2
21.3	1/2	36	14.5	45	19.8	3.6	16	29.8	21.8	2
26.9	3/4	46	15	86	24.6	3.6	19	35.8	27.4	2.5
33.7	1"	50	16	72	32.5	3.6	24	43.7	34.2	2.5
42.4	1 1/4	65	18	150	40.64	5.33	29	55.7	42.9	3
48.3	1 1/2	70	18.5	176	46.99	5.33	31	60.6	48.8	3
60.3	2"	85	21	295	56.52	5.33	34	73.6	60.9	3



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