Prestomatic Push-In Fittings

Prestomatic 3 Fittings

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Prestomatic 3 Push-In Fittings

In order to meet **severe** and **demanding** conditions of use in air circuits in rail and road transportation, this range of **lightweight** polyamide fittings offers **excellent technical performance** and respects the new environmental requirements.

Product Advantages

Optimum Design

- Extreme compactness for space-saving
- Weight reduction over traditional airbrake fittings
- Integrated polymer tube support gives tube alignment and tube retention for:
  - excellent resistance to vibration
  - sealing ensured over time
- Fully re-usable; reduces maintenance costs

High Performance

- Positive hold by an innovative gripping ring design allowing absorption of vibration and pulsating pressure
- Excellent mechanical properties adapted to demanding working conditions
- UV-resistant polymer guarantees a long lifespan
- Twist-free assembly allowing free tube rotation even under pressure and high resistance to tube expansion
- Extreme temperature resistance for increased lifespan

Reliability

- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Suitable with flexible tubing in braking system

Applications

Air Braking Systems
Air Suspension
Chassis
Engine Braking
Gearbox
Pantograph
Motricity Control

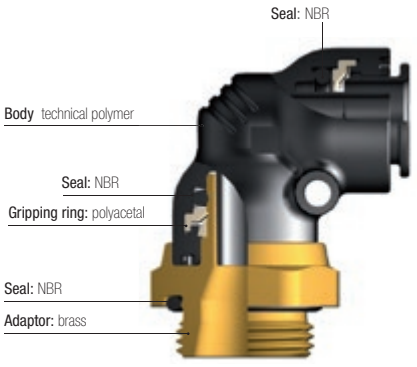
Technical Characteristics

Compatible Fluids	Compressed air
Working Pressure	25 bar
Working Temperature	-40°C to +100°C For lower temperature applications, please consult us

Tightening Torques (daN.m)	Threads				
	M10x1	M12x1.5	M14x1.5	M16x1.5	M22x1.5
	8 to 10	10 to 20	15 to 20	15 to 20	20 to 30

Male metric threads conform to DIN 3852-1, DIN 3852-3, ISO 4039-2 and ISO 6149-1 standards.

Component Materials



Silicone-free

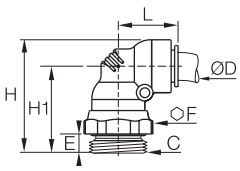
Regulations

Fully adapted to transportation braking system applications with tubing conformed to:
DIN 74324-1
DIN 73378
NF-R12-632-2

Prestomatic 3 Push-In Fittings

C68UNPMK 90° Elbow, Male Metric Thread

Technical polymer, brass, NBR

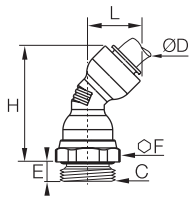


ØD	C		E	F	H	H1	L	Kg
8	M12x1.5	C68UNPMK8M12	7.5	17	40	31	20.5	0.024
	M14x1.5	C68UNPMK8M14	7.5	19	40	31	20.5	0.027
	M16x1.5	C68UNPMK8M16	8	22	41	32	20.5	0.034
	M22x1.5	C68UNPMK8M22	8	27	41	32	20.5	0.046
10	M12x1.5	C68UNPMK10M12	7.5	17	47	36	25	0.031
	M16x1.5	C68UNPMK10M16	8	22	47	37	25	0.043
	M22x1.5	C68UNPMK10M22	8	27	48	38	25	0.062
12	M12x1.5	C68UNPMK12M12	7.5	17	49	37.5	26	0.035
	M16x1.5	C68UNPMK12M16	8	22	50	38.5	26	0.047
	M22x1.5	C68UNPMK12M22	8	27	50	37.5	26	0.058
16	M16x1.5	C68UNPMK16M16	8	22	53	39.5	27	0.059
	M22x1.5	C68UNPMK16M22	8	27	53	39.5	27	0.070

The body swivels for positioning purposes.

V68UNPMK 45° Elbow, Male Metric Thread

Technical polymer, brass, NBR

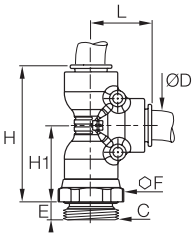


ØD	C		E	F	H	L	Kg
10	M22x1.5	V68UNPMK10M22	8	27	61	23	0.060
12	M16x1.5	V68UNPMK12M16	8	22	63	24,5	0.045
	M22x1.5	V68UNPMK12M22	8	27	62	24,5	0.057
16	M22x1.5	V68UNPMK16M22	8	27	66	27	0.071

The body swivels for positioning purposes.

R68UNPMK Stud Run Tee, Male Metric Thread

Technical polymer, brass, NBR

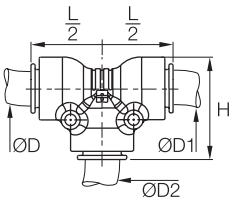


ØD	C		E	F	H	H1	L	Kg
8	M12x1.5	R68UNPMK8M12	7.5	17	51	31	20.5	0.028
12	M16x1.5	R68UNPMK12M16	8	22	64.5	38.5	26	0.053
16	M16x1.5	R68UNPMK16M16	8	22	68	39.5	27	0.067

The body swivels for positioning purposes.

JNPMK Equal Tee

Technical polymer, NBR



ØD	ØD1	ØD2		H	L/2	Kg
8	8	8	JNPMK8	30	20.5	0.012
10	10	10	JNPMK10	35.5	25	0.019
12	12	12	JNPMK12	37.5	26	0.022
16	16	16	JNPMK16	41	27	0.028

Other Configurations Available on Request

F Male Elbow

90° Male Side Tee

Male Branch Tee

Male Branch Tee
In-Line Test Point

ISO 8434-1 Bulkhead Tee

Prestomatic 2 Push-In Fittings

To meet **severe** and **demanding applications** such as pneumatic circuits in rail and road transportation, Prestomatic 2 fittings conform to the international standards offering **robustness**, **reliability** and **mechanical resistance**.

Product Advantages

Versatility

- Extreme compactness for space-saving
- High robustness
- Excellent mechanical properties adapted to severe working conditions
- Integrated metallic tube support reinforces tube alignment and tube retention for:
  - excellent resistance to vibration
  - sealing ensured over time
  - increased resistance to tube removal
- Fully re-usable to reduce maintenance costs

High Performance

- Positive hold by an innovative gripping ring design allowing absorption of vibration and pulsating pressure
- Twist-free assembly allowing free tube rotation even under pressure and high resistance to tube expansion
- Extreme temperature resistance: up to -50°C for increased lifespan

Reliability

- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Suitable with flexible tubing in braking system

Applications

Air Braking Systems
Air Suspension
Chassis
Engine Braking
Gearbox
Pantograph
Motricity Control

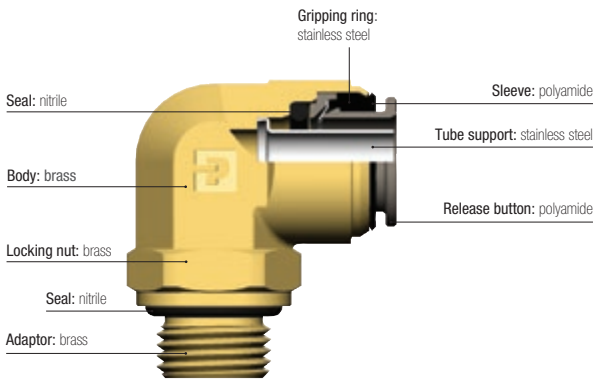
Technical Characteristics

Compatible Fluids	Compressed air
Working Pressure	25 bar
Working Temperature	-40°C to +100°C For lower temperature applications, please consult us

Tightening Torques (daN.m)	Threads				
	M10x1	M12x1.5	M14x1.5	M16x1.5	M22x1.5
	8 to 10	10 to 20	15 to 20	15 to 20	20 to 30

Male metric threads conform to DIN 3852-1, DIN 3852-3, ISO 4039-2 and ISO 6149-1 standards.

Component Materials



Silicone-free

Regulations

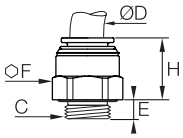
EN 45545-2: HL3, R22, R24, R25 classification can be attained when used with fireproof tubing

Fully adapted to transportation braking system applications with tubing:
DIN 74324-1
DIN 73378
NF-R12-632-2

Stud Fittings

F8UNPMB Stud Fitting, Male Metric Thread

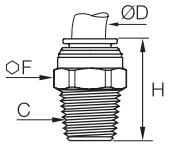
Brass, NBR



ØD	C		E	F	H	Kg
6	M10x1	F8UNPMB6M10	7	16	18.5	0.018
	M12x1.5	F8UNPMB6M12	7.5	17	16	0.017
	M16x1.5	F8UNPMB6M16	8	22	14.5	0.032
	M22x1.5	F8UNPMB6M22	8	27	13.5	0.053
8	M12x1.5	F8UNPMB8M12	7.5	17	19.5	0.021
	M14x1.5	F8UNPMB8M14	7.5	19	18	0.025
	M16x1.5	F8UNPMB8M16	8	22	15	0.030
	M22x1.5	F8UNPMB8M22	8	27	13.5	0.052
10	M12x1.5	F8UNPMB10M12	7.5	22	22.5	0.036
	M14x1.5	F8UNPMB10M14	7.5	22	22	0.036
	M16x1.5	F8UNPMB10M16	8	22	20.5	0.038
	M22x1.5	F8UNPMB10M22	8	27	14.5	0.049
12	M12x1.5	F8UNPMB12M12	7.5	22	22.5	0.035
	M16x1.5	F8UNPMB12M16	8	22	21	0.033
	M22x1.5	F8UNPMB12M22	8	27	17.5	0.052
16	M16x1.5	F8UNPMB16M16	8	27	22.5	0.063
	M22x1.5	F8UNPMB16M22	8	27	22.5	0.069

F2NPMB Stud Fitting, Male NPT thread

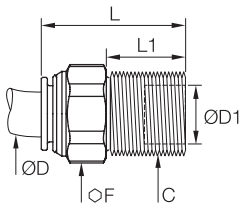
Brass, NBR



ØD	C		F	H	Kg
6	NPT1/8	F2NPMB6-1/8	16	25	0.015
	NPT1/4	F2NPMB6-1/4	16	25	0.020
	NPT3/8	F2NPMB6-3/8	19	27	0.037
8	NPT1/4	F2NPMB8-1/4	17	30	0.025
	NPT3/8	F2NPMB8-3/8	19	27	0.033
10	NPT1/4	F2NPMB10-1/4	22	35.5	0.044
	NPT1/2	F2NPMB10-1/2	22	34	0.066
12	NPT3/8	F2NPMB12-3/8	22	31	0.038
	NPT1/2	F2NPMB12-1/2	22	34	0.058

WE0NPMB Equal Mixed Bulkhead Adapter

Brass, NBR



ØD	ØD1	C		F	L	L1	Kg
8	8	M14x1.5	WE0NPMB8-8L	19	36	21	0.033
	10	M16x1.5	WE0NPMB8-10L	19	36	21	0.038
	12	M18x1.5	WE0NPMB8-12L	22	34	21	0.046
12	12	M18x1.5	WE0NPMB12-12L	22	37	21	0.046

Other Configurations Available on Request

Male Bulkhead

Male Run Tee

F Male Elbow

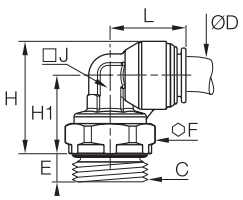
ISO 8434-1 Bulkhead Elbow

Male Run Tee Branch Test Point

Stud Fittings

C8UNPMB 90° Elbow, Male Metric Thread

Brass, NBR

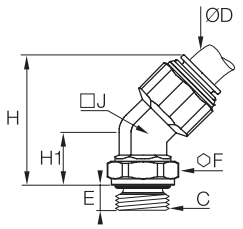


ØD	C		E	F	H	H1	J	L	Kg
6	M10x1	C8UNPMB6M10	7.5	14	24	16	10	22	0.032
	M12x1.5	C8UNPMB6M12	9	17	25.5	17	11	22	0.038
	M16x1.5	C8UNPMB6M16	9.5	22	30	20	13	23	0.062
	M22x1.5	C8UNPMB6M22	9.5	27	35	24	14	23	0.095
8	M12x1.5	C8UNPMB8M12	9	17	25.5	17	11	22	0.039
	M14x1.5	C8UNPMB8M14	9.5	19	26.5	18	11	22	0.046
	M16x1.5	C8UNPMB8M16	9.5	22	30	20	13	23	0.061
	M22x1.5	C8UNPMB8M22	9.5	27	35	24	14	23	0.092
10	M16x1.5	C8UNPMB10M16	9.5	22	30.5	20.5	13	25	0.063
	M22x1.5	C8UNPMB10M22	9.5	27	37	26	14	25	0.099
12	M12x1.5	C8UNPMB12M12	9	17	32	21	14	25	0.063
	M16x1.5	C8UNPMB12M16	9.5	22	33	22	14	25	0.072
	M22x1.5	C8UNPMB12M22	9.5	27	37	26	14	25	0.095
16	M16x1.5	C8UNPMB16M16	9.5	22	37	23.5	24	34	0.170
	M22x1.5	C8UNPMB16M22	9.5	27	39	25.5	24	34	0.174

The body can be locked in the desired orientation with the locknut.

V8UNPMB 45° Elbow, Male Metric Thread

Brass, NBR

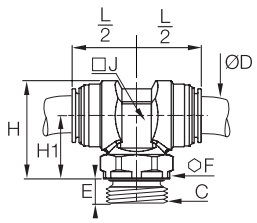


ØD	C		E	F	H	H1	J	Kg
8	M16x1.5	V8UNPMB8M16	9.5	22	38	17.5	14	0.063
10	M22x1.5	V8UNPMB10M22	9.5	27	44	21	14	0.085
12	M16x1.5	V8UNPMB12M16	9.5	22	44	17.5	14	0.074
	M22x1.5	V8UNPMB12M22	9.5	27	48	21	14	0.095
16	M22x1.5	V8UNPMB16M22	9.5	27	42	18	22	0.106

The body can be locked in the desired orientation with the locknut.

S8UNPMB Stud Branch Tee, Male Metric Thread

Brass, NBR

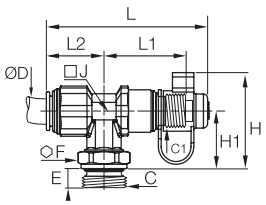


ØD	C		E	F	H	H1	J	L/2	Kg
8	M16x1.5	S8UNPMB8M16	9.5	22	39	27	14	24	0.097
	M22x1.5	S8UNPMB8M22	9.5	27	42	30.5	14	24	0.118
10	M16x1.5	S8UNPMB10M16	9.5	22	39	27	14	25.5	0.100
	M22x1.5	S8UNPMB10M22	9.5	27	42	30.5	14	25.5	0.118
12	M16x1.5	S8UNPMB12M16	9.5	22	39	27	14	27	0.110
	M22x1.5	S8UNPMB12M22	9.5	27	42	30.5	14	27	0.131
16	M22x1.5	S8UNPMB16M22	9.5	27	40	26	19	27	0.171

The body can be locked in the desired orientation with the locknut.

S8UNPMBPPAM Stud Branch Tee, Male Metric Thread, In-Line Test Point

Brass, NBR



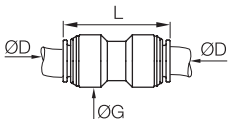
ØD	C	C1		E	F	H	H1	J	L	L1	L2	Kg
10	M16x1.5	M16x1.5	S8UNPMB10PPAM16	9.5	22	45	27	14	71	36	25	0.125
12	M16x1.5	M16x1.5	S8UNPMB12PPAM16	9.5	22	45	27	14	75	38	27	0.133
	M22x1.5	M16x1.5	S8UNPMB12PPAM22	9.5	27	48.5	30.5	14	75	38	27	0.154

The body can be locked in the desired orientation with the locknut.

Tube-to-Tube Fittings

HNPMB — Equal Connector

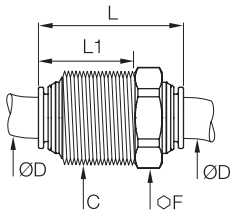
Brass, NBR



ØD		G	L	Kg
6	HNPMB6	16	37.5	0.024
8	HNPMB8	18	37	0.029
10	HNPMB10	20	41	0.036
12	HNPMB12	22	41	0.041
16	HNPMB16	27	41	0.078

WNPMB — Equal Bulkhead Connector

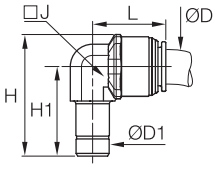
Brass, NBR



ØD	C		F	L	L1	Kg
6	M18x1.5	WNPMB6	22	39.5	26	0.056
8	M20x1.5	WNPMB8	22	39	26	0.061
10	M22x1.5	WNPMB10	24	43	28	0.076
12	M24x1.5	WNPMB12	27	44	29	0.091

T2ENPMB — Equal and Unequal 90° Plug-In Elbow

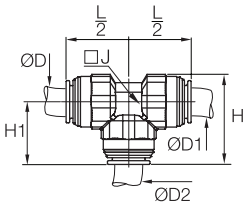
Brass, NBR



ØD	ØD1		H	H1	J	L	Kg
6	8	T2ENPMB6	36	27.5	10	21	0.025
8	8	T2ENPMB8	36	27.5	10	22	0.025
10	12	T2ENPMB10	44	32.5	14	25.5	0.049
12	12	T2ENPMB12	44	32.5	14	27	0.051

JNPMB — Equal and Unequal Tee

Brass, NBR

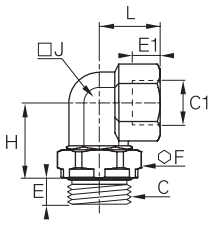


ØD	ØD1	ØD2		H	H1	J	L/2	Kg
6	6	6	JNPMB6	30	22	12	22	0.044
8	8	8	JNPMB8	31	23	12	23	0.050
		12	JNPMB8-8-12	37	25	14	23	0.077
10	10	10	JNPMB10	37	25.5	14	25.5	0.086
	6	10	JNPMB10-10-6	36	24	14	23	0.073
	10	6	JNPMB10-6-10	37	25.5	14	25.5	0.083
12	12	12	JNPMB12	38	26.5	14	26.5	0.093
	6	12	JNPMB12-12-6	35	24	14	26	0.086
	8	12	JNPMB12-12-8	35	24	14	26	0.085
16	16	16	JNPMB16	46	29	30	29	0.189

Air Brake Adaptors

D8C8UB — 90° Elbow, Male/Female Metric Thread

Brass, NBR

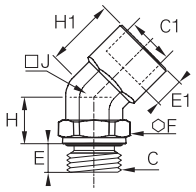


C	C1		E	E1	F	H	J	L	Kg
M16x1.5	M16x1.5	M16M16D8C8UB	9.5	10	22	23.5	16	18.5	0.081
M22x1.5	M16x1.5	M16M22D8C8UB	10.5	10	27	26.5	19	21.5	0.132
	M22x1.5	M22D8C8UB	10.5	12	27	29.5	19	23.5	0.134

The body can be locked in the desired orientation with the locknut.

D8V8UB — 45° Elbow, Male/Female Metric Thread

Brass, NBR

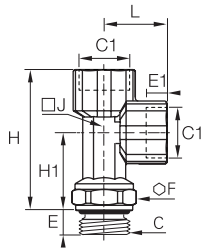


C	C1		E	E1	F	H	H1	J	Kg
M16x1.5	M16x1.5	M16M16D8V8UB	9.5	10	22	15.5	22	17	0.077

The body can be locked in the desired orientation with the locknut.

MR08UB — Female Run Tee, Male Metric Thread

Laiton, NBR

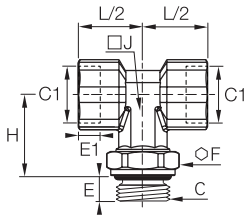


C	C1		E	E1	F	H	H1	J	L	Kg
M12x1.5	M12x1.5	M12MR08UB	9	10	17	50.5	30	14	20.5	0.117
M16x1.5	M16x1.5	M16MR08UB	10	10	22	62.5	39	14	23.5	0.134
M22x1.5	M16x1.5	M16M22M16MR08UB	10.5	10	27	65	41.5	14	23.5	0.178
	M22x1.5	M22MR08UB	10.5	12	27	69.5	41.5	18	28	0.222

The body can be locked in the desired orientation with the locknut.

MMS8UB — Branch Tee, Male/Female Metric Thread

Brass, NBR

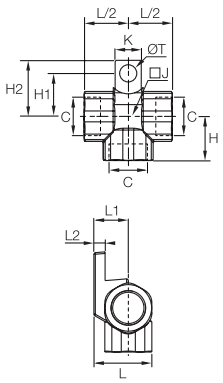


C	C1		E	E1	F	H	J	L/2	Kg
M12x1.5	M12x1.5	M12MMS8UB	9	10	17	25.5	14	23.5	0.140
M16x1.5	M16x1.5	M16MMS8UB	10	10	22	29	14	23.5	0.134
M22x1.5	M16x1.5	M16M16M22MMS8UB	10.5	10	27	31	14	23.5	0.175

The body can be locked in the desired orientation with the locknut.

MM08BKT — Tee with Mounting Boss, Female Metric Thread

Brass, NBR

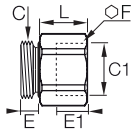


C		H	H1	H2	J	K	L	L1	L2	L/2	ØT	Kg
M16x1.5	M16MM08BKT	20.5	26	20	19	12	27	16	5	20.5	8	0.112

Air Brake Adaptors and Accessories

F8UG8B — Increaser, Male/Female Metric Thread

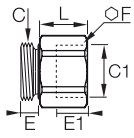
Brass, NBR



C	C1		E	E1	F	L	Kg
M12x1.5	M16x1.5	M12M16F8UG8B	7.5	10	22	17.5	0.044

F8UG8B — Reducer, Male/Female Metric Thread

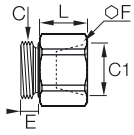
Brass, NBR



C	C1		E	E1	F	L	Kg
M16x1.5	M12x1.5	M16M12F8UG8B	8	10	22	15	0.051
M22x1.5	M16x1.5	M22M16F8UG8B	8	10	27	16	0.073

F8UGB — Conversion Fitting, Male Metric/Female NPT Thread

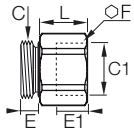
Brass, NBR



C	C1		E	F	L	Kg
M16x1.5	NPT1/4	M16-1/4F8UGB	8	22	15	0.050
M22x1.5	NPT3/8	M22-3/8F8UGB	8	27	18	0.080

F8UG4B — Conversion Fitting, Male Metric/Female BSPP Thread

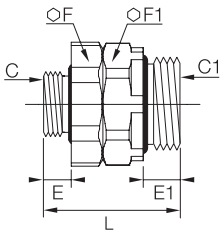
Brass, NBR



C	C1		E	E1	F	L	Kg
M16x1.5	G1/4	M16-1/4F8UG4B	8	10	22	11.5	0.038
	G1/8	M16-1/8F8UG4B	8	7	22	8	0.031

F8UHA8UB — Straight Male Adaptor, Male Metric Thread

Brass, NBR

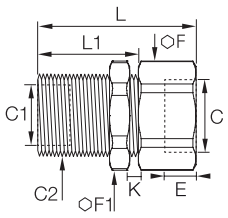


C	C1		E	E1	F	F1	L	Kg
M16x1.5	M16x1.5	M16F8UHA8UB	8	10	22	22	32	0.056
	M22x1.5	M16M22F8UHA8UB	8	10.5	27	27	36	0.096
M22x1.5	M22x1.5	M22F8UHA8UB	8	10.5	27	27	36	0.096

Air Brake Adaptors and Accessories

WGG88B — Bulkhead Union, Female Metric Thread

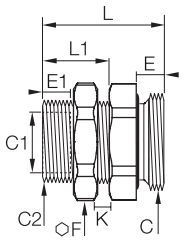
Brass, NBR



C	C1	C2		E	F	F1	K max	L	L1	Kg
M16x1.5	M16x1.5	M22x1.5	M16WGG88BH27	10	27	27	16	30	23	0.082
M22x1.5	M16x1.5	M26x1.5	M22M16WGG88B	12	30	32	10	32	18	0.128

WG8F8UB — Bulkhead Union, Male/Female Metric Thread

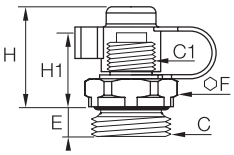
Brass, NBR



C	C1	C2		E	E1	F	K max	L	L1	Kg
M16x1.5	M16x1.5	M22x1.5	M16WG8F8UB	8	10	27	10	32	17	0.086
M22x1.5	M16x1.5	M22x1.5	M16M22WG8F8UB	8	10	27	10	32	17	0.080

PPRF8UM — Stud Test Point, Male Metric Thread

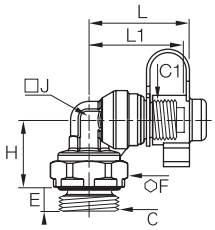
Brass, NBR



C	C1		E	F	H	H1	Kg
M16x1.5	M16x1.5	PPRF8UM16	9.5	22	34.5	31.5	0.057
M22x1.5	M16x1.5	PPRF8UM22	9.5	27	34.5	31.5	0.072

PPRC8UM — Test Point 90° Elbow, Male Metric Thread

Brass, NBR

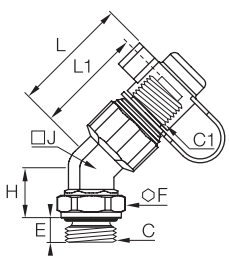


C	C1		E	F	H	J	L	L1	kg
M22x1.5	M16x1.5	PPRC8UM22	10.5	27	18	19	39	36	0.142

The body can be locked in the desired orientation with the locknut.

PPRV8UM — Test Point 45° Elbow, Male Metric Thread

Brass, NBR



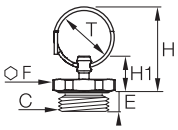
C	C1		E	F	H	J	L	L1	kg
M22x1.5	M16x1.5	PPRV8UM22	10.5	27	32	14	38	35	0.119

The body can be locked in the desired orientation with the locknut.

Air Brake Adaptors and A ccessories

VDPF8UM Drain Valve, Male Metric Thread

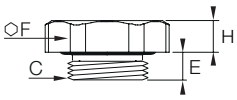
Brass, NBR



C		E	F	H	H1	ØT	Kg
M22x1.5	VDPF8UM22L13	7.5	27	47.5	24	26	0.037

P8UNBL Plug, Male Metric Thread

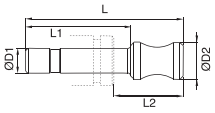
Brass, NBR



C		E	F	H	Kg
M12x1.5	M12P8UNBL	7.5	17	4.5	0.013
M14x1.5	M14P8UNBL	7.5	17	4.5	0.016
M16x1.5	M16P8UNBL	8	22	5	0.022
M22x1.5	M22P8UNBL13	7.5	27	5	0.038

3126 Blanking Plug

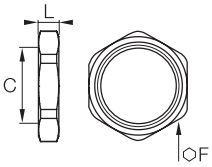
Technical polymer



ØD		G	L	L1	Kg
6	3126 06 00	8	33	16,5	0,001
8	3126 08 00	10	35	17,5	0,001
10	3126 10 00	12	42	21	0,002
12	3126 12 00	14	45	22	0,003

WLNB Bulkhead Locknut

Brass



C		F	L	Kg
M16x1.5	WL8NBM16X1.5	22	5	0.010
M18x1.5	WL8NBM18X1.5	22	5	0.008
M20x1.5	WL8NBM20X1.5	24	5	0.008
M22x1.5	WL8NBM22X1.5	27	6	0.014
M24x1.5	WL8NBM24X1.5	30	7	0.019