

**Construction**

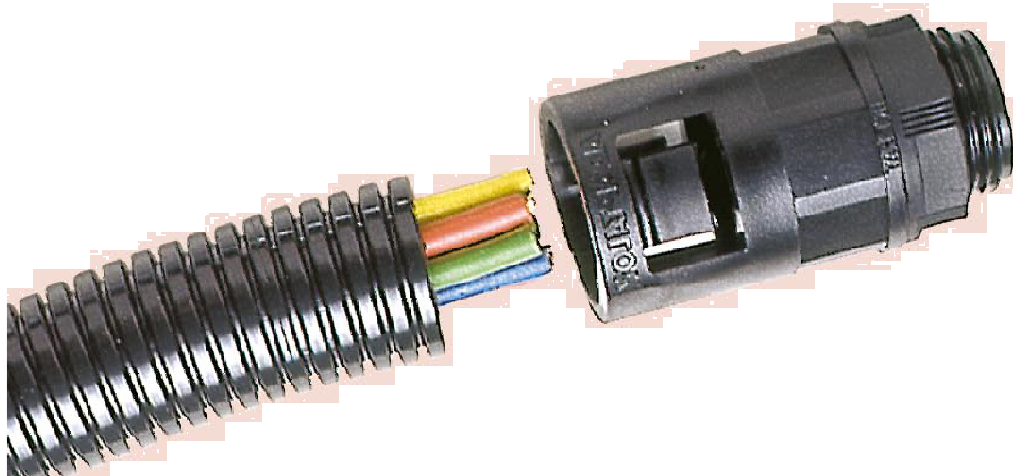
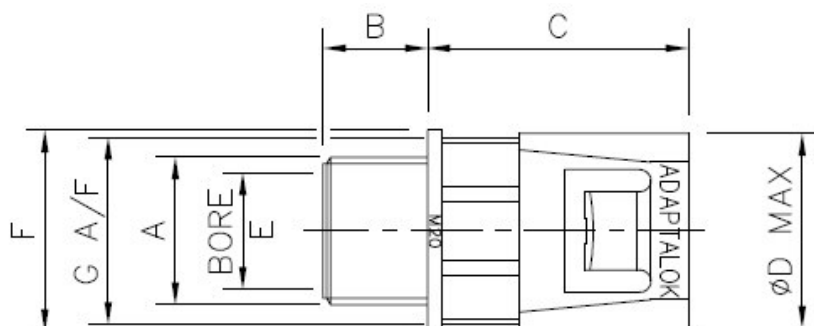
Polyamide 66



Non Metallic Systems

TYPE AL (A) STRAIGHT

Description	Simple Push Fit gland for corrugated conduit systems For knockout mounting	Material	Polyamide 66 Black/Grey
Compatible Conduits	PA PI CP PR	Additional Types of Fitting in range	Straight (A) 90° Elbow (C90) 45° Elbow (45) One Piece Coupler (A) 3 Way Straight Swivel to Flange 90° Swivel to Flange 45° Swivel to Flange Swivel Coupler





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Non Metallic Systems TYPE AL (A) STRAIGHT

Chemical Properties

Suitable



Limited Suitability



Astm No.1		Methanol	
Astm No.2		Methyl Bromide	Not Suitable
Astm No.3		MEK	
Acetic Acid (10%)		Nitric Acid (10%)	Not Suitable
Acetone		Nitric Acid (70%)	Not Suitable
Aluminium Chloride		Oxalic Acid	
Aniline		Ozone (Gas)	Not Suitable
Benzaldehyde		Paraffin oil	
Benzene		Petrol	
Carbon tetrachloride		Phenol	Not Suitable
Chlorine water	Not Suitable	Sea Water	
Chloroform	Not Suitable	Silver Nitrate	
Citric Acid		Skydrol	
Copper Sulphate		Sodium Chloride	
Cresol	Not Suitable	Sodium Hydroxide (10%)	
Diesel oil		Sodium Hydroxide (60%)	
Diethylamine		Sulphur Dioxide (Gas)	Not Suitable
Ethanol		Sulphuric Acid (10%)	Not Suitable
Ether		Sulphuric Acid (70%)	Not Suitable
Ethylamine		Toluene	
Ethylene Glycol		Transformer Oil	
Ethyl Ethanoate		1,1,1-Trichloroethane	
Freon 32		Trichloroethylene	
Hydrochloric Acid (10%)	Not Suitable	Turpentine	
Hydrochloric Acid (36%)	Not Suitable	Vegetable Oil	
Hydrogen Peroxide (35%)		Vinyl Acetate	
Hydrogen Peroxide (87%)	Not Suitable	Water	
Lactic Acid		White Spirit	
Lubricating oil		Zinc Chloride	Not Suitable

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application and contact Adaptaflex for further information.

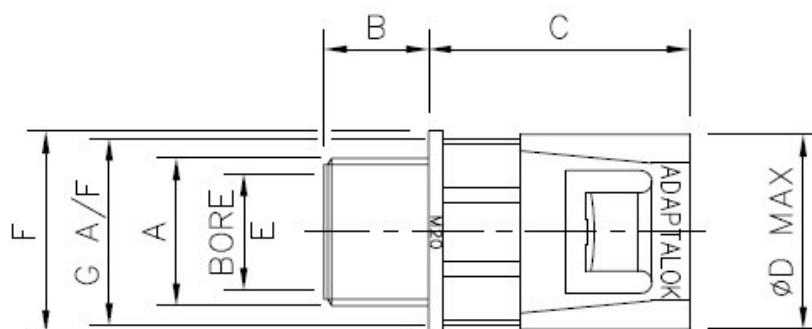


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Non Metallic Systems TYPE AL (A) STRAIGHT

Dimension Charts for fittings STRAIGHT TYPE (Metric)



PART No.	THREAD A	NOMINAL DIMENSIONS (mm)						WEIGHT gms.
		B	C	D	E	F	G	
AL10/M12/A	M12x1.5	10.0	25.0	16.1	7.5	15.2	12.5	3
AL13/M16/A	M16x1.5	11.5	33.0	21.3	11.6	19.0	17.0	5
AL16/M16/A	M16x1.5	11.5	33.0	23.7	11.6	23.7	19.8	6
AL16/M20/A	M20x1.5	11.5	33.0	23.7	15.3	23.4	19.8	7
AL18/M20/A	M20x1.5	11.5	34.0	26.3	15.0	23.0	21.6	7
AL20/M20/A	M20x1.5	13.0	34.8	28.1	14.8	26.8	21.7	9
AL21/M20/A	M20x1.5	14.0	34.7	28.9	14.8	26.7	25.0	9
AL21/M25/A	M25x1.5	11.0	35.75	29.0	17.8	31.5	25.0	10
AL25/M25/A	M25x1.5	16.0	35.9	32.8	20.0	30.8	28.7	12
AL28/M25/A	M25x1.5	16.2	36.8	36.8	20.0	35.5	32.3	14
AL28/M32/A	M32x1.5	12.2	37.1	36.8	22.3	37.7	32.5	17
AL34/M32/A	M32x1.5	16.0	37.8	43.2	26.5	41.5	38.9	20
AL34/M40/A	M40x1.5	12.1	37.9	43.0	30.3	45.3	39.0	23
AL42/M40/A	M40x1.5	16.0	47.8	53.8	31.0	52.8	49.5	45
AL42/M50/A	M50x1.5	12.1	48.1	54.0	37.8	66.8	50.0	57
AL54/M50/A	M50x1.5	16.0	53.0	66.9	40.2	67.2	62.6	71
AL54/M63/A	M63x1.5	16.0	53.0	66.9	50.0	70.0	62.6	75

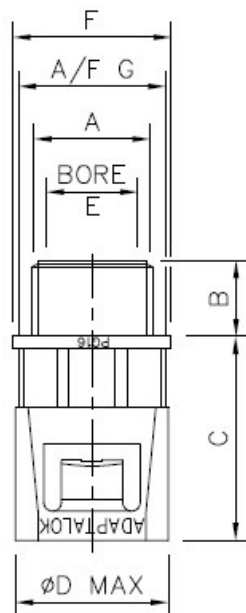


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Non Metallic Systems TYPE AL (A) STRAIGHT

Dimension Charts for fittings STRAIGHT TYPE (PG)



PG THREADS

PART No.	THREAD A	NOMINAL DIMENSIONS (mm)						WEIGHT gms.
		B	C	D	E	F	G	
AL10/PG7/A	PG7	8.0	25.1	16.1	8.0	15.2	12.7	3
AL10/PG9/A	PG9	10.2	25.1	16.2	9.5	18.1	12.7	3
AL13/PG9/A	PG9	10.0	31.4	21.3	11.4	18.4	16.9	5
AL13/PG11/A	PG11	10.0	31.4	21.3	12.5	21.7	16.9	5
AL13/PG13/A	PG13,5	10.2	31.4	21.3	12.5	23.2	16.9	5
AL16/PG9/A	PG9	10.0	33.0	23.7	11.3	21.8	19.9	6
AL16/PG11/A	PG11	10.0	33.0	23.7	12.5	21.7	19.9	6
AL16/PG13/A	PG13,5	10.0	33.0	23.7	12.5	23.6	19.9	7
AL16/PG16/A	PG16	11.5	33.0	23.7	14.5	26.8	19.9	7
AL18/PG13/A	PG13,5	10.0	34.2	26.3	14.2	24.5	21.7	8
AL21/PG11/A	PG11	10.0	34.8	29.0	13.6	26.8	25.1	9
AL21/PG13/A	PG13,5	10.0	34.8	29.0	15.5	26.8	25.1	9
AL21/PG16/A	PG16	11.2	34.8	28.9	17.7	26.8	25.1	10
AL28/PG21/A	PG21	12.2	36.9	36.8	22.3	35.5	32.3	15
AL34/PG29/A	PG29	12.2	37.8	43.0	30.1	41.5	38.9	20
AL42/PG36/A	PG36	12.1	48.0	53.8	38.0	52.7	49.5	43
AL54/PG48/A	PG48	12.1	52.8	66.8	49.3	67.2	62.3	67

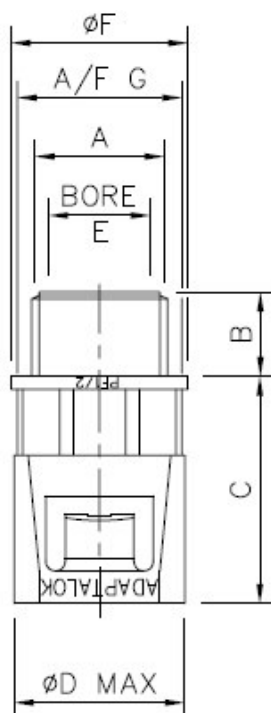


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Non Metallic Systems TYPE AL (A) STRAIGHT

Dimension Charts for fittings STRAIGHT TYPE (PF)



PF THREADS

PART No.	THREAD A	NOMINAL DIMENSIONS (mm)						WEIGHT gms.
		B	C	D	E	F	G	
AL10/PF025/A	PF 1/4	11.5	25.2	16.1	8.8	17.7	12.6	3
AL13/PF038/A	PF 3/8	11.5	31.3	21.2	11.6	21.7	16.8	5
AL16/PF038/A	PF 3/8	11.5	33.0	23.7	11.6	21.7	19.7	7
AL16/PF050/A	PF 1/2	11.5	33.0	23.7	15.0	25.8	19.8	7
AL21/PF050/A	PF 1/2	14.0	34.8	29.0	15.0	26.7	25.0	10
AL28/PF075/A	PF 3/4	16.2	36.8	36.6	20.0	34.3	32.3	15
AL34/PF100/A	PF 1	16.0	37.8	43.0	26.7	41.5	38.9	20
AL42/PF125/A	PF 1 1/4	16.0	47.6	53.5	30.9	52.7	49.1	45
AL54/PF150/A	PF 1 1/2	16.0	53.0	66.9	40.7	67.5	62.6	68
AL54/PF200/A	PF 2	16.0	53.0	66.9	49.6	68.9	62.6	73

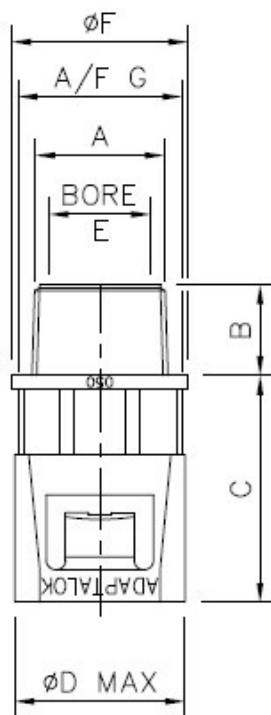


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Non Metallic Systems TYPE AL (A) STRAIGHT

Dimension Charts for fittings STRAIGHT TYPE (NFP)



NPT THREADS

PART No.	THREAD A	NOMINAL DIMENSIONS (mm)						WEIGHT gms.
		B	C	D	E	F	G	
AL13/038/A	NPT $\frac{3}{8}$	11.5	31.4	21.3	11.6	18.8	17.0	5
AL16/038/A	NPT $\frac{3}{8}$	11.5	33.0	23.7	11.6	21.4	19.8	7
AL16/050/A	NPT $\frac{1}{2}$	11.5	33.0	23.7	15.3	26.6	19.8	7
AL21/050/A	NPT $\frac{1}{2}$	14.0	34.8	28.9	15.2	26.7	24.9	9
AL28/075/A	NPT $\frac{3}{4}$	16.2	37.0	36.8	20.1	34.4	32.4	15
AL34/100/A	NPT 1	16.0	37.8	43.2	26.8	41.6	38.9	20
AL42/125/A	NPT $1\frac{1}{4}$	16.0	47.8	53.8	30.8	52.7	49.5	46
AL54/150/A	NPT $1\frac{1}{2}$	16.0	53.0	66.8	41.0	66.7	62.6	70
AL54/200/A	NPT 2	16.0	53.0	66.8	49.6	68.9	62.6	75

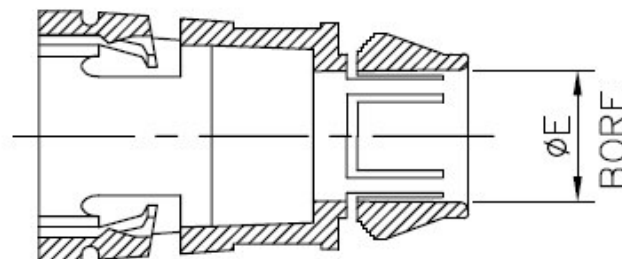
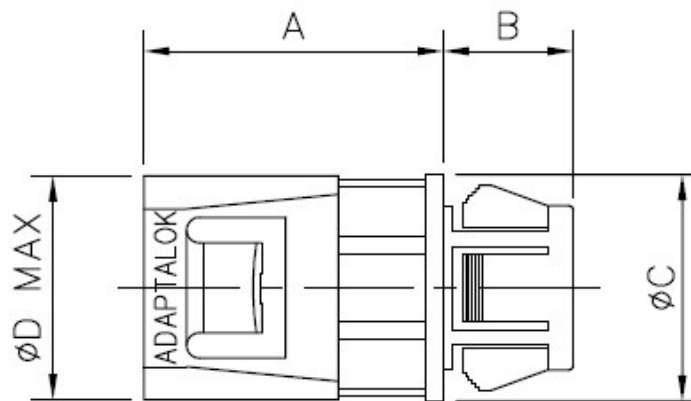


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Non Metallic Systems
TYPE AL (A) STRAIGHT

Dimension Charts for fittings
STRAIGHT TYPE (Push In)



PART No.	NOMINAL DIMENSIONS (mm)					WEIGHT gms.
	A	B	C	D	E	
AL10/KM20/A	25.4	15.2	26.5	16.1	8.0	4
AL16/KM20/A	33.0	15.2	26.5	23.7	15.0	7
AL21/KM20/A	35.0	15.2	26.5	29.0	16.0	10