Sealed Fittings

T-Piece Fitting

Harnessflex
SPECIALIST CONDUIT SYSTEMS

Technical Characteristics

Conforms to	ADR Approved (with NC conduits only) CE Mark to the low voltage directive RoHS Compliant to 2011/65/EU Conforms with end of life vehicle directive (ELV) EU200/53/EC
Approvals and Standards	
Degree of mechanical protection	High
Degree of protection	IP67 IP68 (2 bar for 30 minutes)
UV protection	Very High (Black)
Finish	Black (BL) only
Application	Symmetrical, 3 Junction compression type fittings providing a variety of conduit size configurations using reducing seal options. Supplied with anti-vibratiuon clips for added security. Sealed fittings can be used with all Harnessflex conduits.
Normal operating temperature range	Minimum Temperature / Maximum Temperature
Continuous (30,000 Hours)	**- 40°C** / **+ 120°C**
Short Term (3000 Hours)	**- 45°C** / **+ 150°C**
For use with - Conduit range	For use with all solid Conduits in the Harnessflex range
Fire performance	Self Extinguishing Low smoke toxicity & Halogen Free
Chemical resistance & Storage data	Click or See page 3
Type of material	Polyamide (Nylon) PA 66 - heat and UV stabilised
Image	

Note: Order fitting bodies, cap nuts and sealing and washers separately - See page 2 for part numbers.

Cable Management Products Ltd.
CMG House - Station Road - Coleshill - B46 1HT - United Kingdom
Tel: +44(0)1675 468 222 - Fax: +44(0)1675 464 930
Technical Support e-mail: cmg.conduitsystems@tnb.com - www.harnessflex.com

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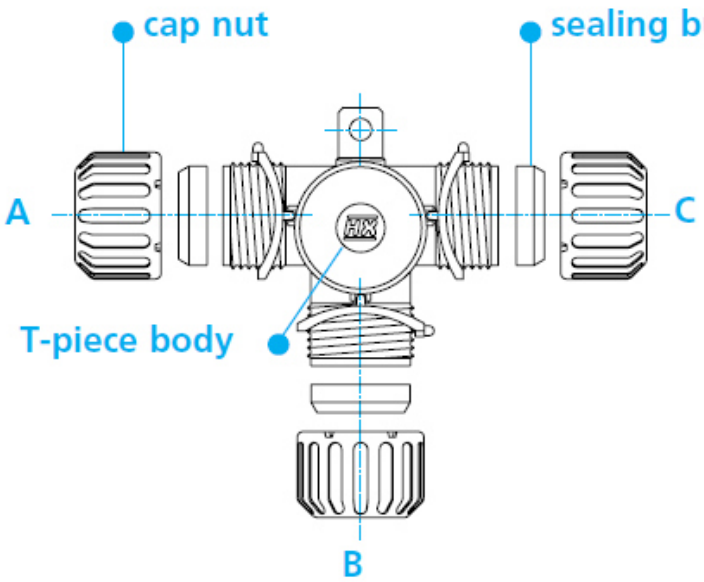
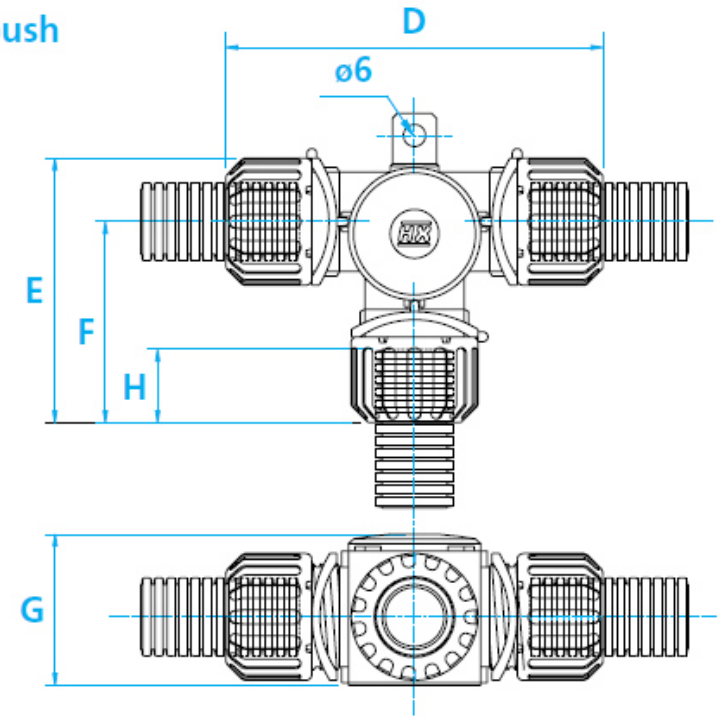
Dimensional Data & Part Number Configuration
Equal outlets (for reducing options see page 3)

Part Number T-Piece with Bracket	Part Number T-Piece with-out Bracket	Cap Nut	Sealing Bush	Conduit Size (NC)			Conduit Size (NW)			Dimensions (mm)				
				A	B	C	A	B	C	D	E	F	G	H
	TP12	CN07	SRN07	10	10	10	8.5	8.5	8.5	68	50	39	27	17
	TP12	CN09	SRN09	12	12	12	10	10	10	68	50	39	27	17
	TP16	CN11	SRN11	16	16	16	13	13	13	69	51	38	31	17
TPB20	TP20	CN16	SRN16	20	20	20	17	17	17	80	58	43	35	20
TPB28	TP28	CN21	SRN21	25	25	25	22	22	22	95	71	52	43	21
TPB28	TP28	CN28	SRN28	28	28	28	23	23	23	95	71	52	43	21
TPB32		CN32	SRN29	32	32	32	29	29	29	109	84	61	51	27





Cap Nuts & Seals ordered separately

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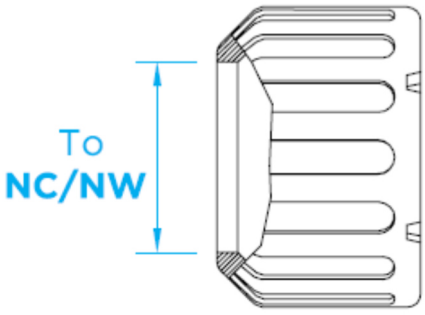
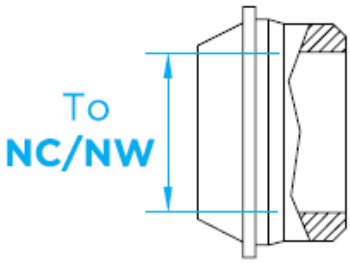
Dimensional Data & Part Number Configuration
Reducing options

Cap Nut Part Number	Seal Part Number	From Fitting Sizes		To Conduit Sizes	
		NC	NW	NC	NW
CN09-08	RSB12-08	12	10	8	7.5
CN11-08	RSB16-08	16	13	8	7.5
CN11-12	RSB16-12	16	13	12	10
CN16-08	RSB20-08	20	17	8	7.5
CN16-12	RSB20-12	20	17	12	10
CN16-16	RSB20-16	20	17	16	13
CN21-12	RSB25-12	25	22	12	10
CN21-16	RSB25-16	25	22	16	13
CN21-20	RSB25-20	25	22	20	17
CN21-12	RSB28-12	28	23	12	10
CN21-16	RSB28-16	28	23	16	13
CN21-20	RSB28-20	28	23	20	17
CN32-20	RSB32-20	32	29	20	17
CN32-25	RSB32-25	32	29	25	22
CN32-28	RSB32-28	32	29	28	23



CAP NUT



SEAL

Cap Nuts & Bushes ordered separately

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Chemical Resistance Chart

Key:

Suitable :

Limited Suitability :

Unsuitable :

Not Tested :

Astm No.1	Diesel oil	Methyl Bromide	Sulphur Dioxide (Gas)
Astm No.2	Diethylamine	MEK	Sulphuric Acid (10%)
Astm No.3	Ethanol	Nitric Acid (10%)	Sulphuric Acid (70%)
Acetic Acid (10%)	Ether	Nitric Acid (70%)	Toluene
Acetone	Ethylamine	Oxalic Acid	Transformer Oil
Aluminium Chloride	Ethylene Glycol	Ozone (Gas)	1,1,1-Trichloroethane
Aniline	Ethyl Ethanoate	Paraffin oil	Trichloroethylene
Benzaldehyde	Freon 32	Petrol	Turpentine
Benzene	Hydrochloric Acid (10%)	Phenol	Vegetable Oil
Carbon tetrachloride	Hydrochloric Acid (36%)	Sea Water	Vinyl Acetate
Chlorine water	Hydrogen Peroxide (35%)	Silver Nitrate	Water
Chloroform	Hydrogen Peroxide (87%)	Skydrol	White Spirit
Citric Acid	Lactic Acid	Sodium Chloride	Zinc Chloride
Copper Sulphate	Lubricating oil	Sodium Hydroxide (10%)	
Cresol	Methanol	Sodium Hydroxide (60%)	

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 Harnessflex for further information.

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS 7671 (17th Edition) OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.
MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.

Storage Guidelines

To maintain balanced moisture content, Harnessflex recommends storing products under the following conditions:

Storage temp.	Installation temp.	Rel. humidity
18°C to 30°C	>18°C	>30%

If products from an outside environment are brought into a heated processing area, the change in climate may suddenly cause temporary de-moisturisation around the edges. After 24 hours in the processing area a natural balance will be restored.

Observing this storage recommendation ensures optimum process-ability and material properties.

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