



Connect and Protect

TransTechnical Solutions

Technical Data Sheet

External Hinged Interfaces

External Hinged Elbows - Type EPS

Technical Characteristics

Conforms to	CE Mark to the low voltage directive RoHS Compliant to 2011/65/EU Conforms with end of life vehicle directive (ELV) EU200/53/EC
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Approvals and Standards



Degree of mechanical protection	Medium
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Degree of protection	IP40 - Hinged fittings
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UV protection	Very High (Black)
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Finish	Black (BL)
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Application	One Piece elbow joiner hinged fittings allow a variety of conduit size variations. These fittings are designed to snap together over all types of slit and un-slit conduit, thus maintaining maximum conduit bore. Can be used as a reducer, as well as an enlarger.
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Normal operating temperature range	Minimum Temperature	Maximum Temperature
	- 40°C	+120°C

For use with - Conduit Series	For use with all Conduits in the H-flex range
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Fire performance	<i>Self Extinguishing Low smoke & Halogen Free</i>
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Chemical resistance & Storage data	See page 3
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Type of material	Polyamide (Nylon) PA 66 - Heat and UV stabilised
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Image



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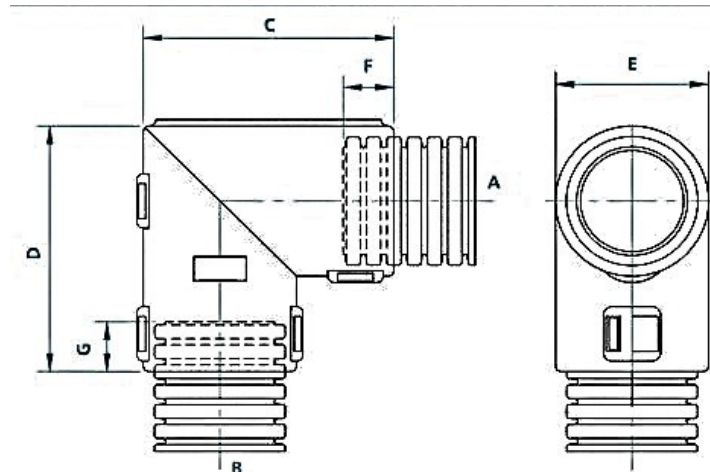
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Dimensional Data & Part Number Configuration

Part Number	Conduit Sizes (NC) (NW)				Nominal Dimensions (mm)				
	A	B	A	B	C	D	E	F	G
EPS08S08	8	8	7.5	7.5	38	29	20	10	10
EPS12S12	12	12	10	10	38	29	20	10	10
EPS0820	8	20	7.5	17	41	41	25	10	12
EPS1608	16	8	10	7.5	34	34	21	10	10
EPS1612	16	12	13	10	34	34	21	10	10
EPS1616	16	16	13	13	34	34	21	10	10
EPS2008	20	8	17	7.5	41	39	26	12	10
EPS2012	20	12	17	10	41	41	26	10	10
EPS2016	20	16	17	13	41	41	26	12	10
EPS2020	20	20	17	17	41	41	26	12	12
EPS2520	25	20	22	17	48	48	33	13	12
EPS2525	25	25	22	22	48	48	33	13	13
EPS2812	28	12	23	10	48	48	33	13	10
EPS2816	28	16	23	13	48	48	33	13	10
EPS2820	28	20	23	17	48	48	33	13	12
EPS2825	28	25	23	22	48	48	33	13	13
EPS2828	28	28	23	23	48	48	33	13	13



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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%)	

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 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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