

# TempGuard Elbow

## Type EPH - External Hinged Elbow



### 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			
Approvals and Standards				
Degree of mechanical protection	High			
Degree of ingress protection	IP40 - Hinged fittings			
UV protection	Medium			
Finish	Dark Orange			
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 unslit conduit thus maintaining maximum conduit bore. Can be used as a reducer as well as an enlarger.			
Normal operating temperature range	Minimum Temperature	Permanent Max Temperature	Long Term Max Temperature (30,000 Hrs)	Short Term Max Temperature (3000 Hrs)
	-40°C	+160°C	+185°C	+200°C
For use with - Conduit range	Full TempGuard system protection is achieved using these fittings with HTC conduit. Compatible with all <a href="#">Harnessflex</a> conduits.			
Fire Performance	Test Standard	Performance Rating		
	UL94	V2		
	UL94 RTI	150 (Elec)		
Chemical resistance & Storage data	Click or See page <a href="#">3</a>			
Type of material	High Temperature Polyamide (Nylon) - Low Smoke and Halogen Free			

Image



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### Dimensional Data & Part Number Configuration

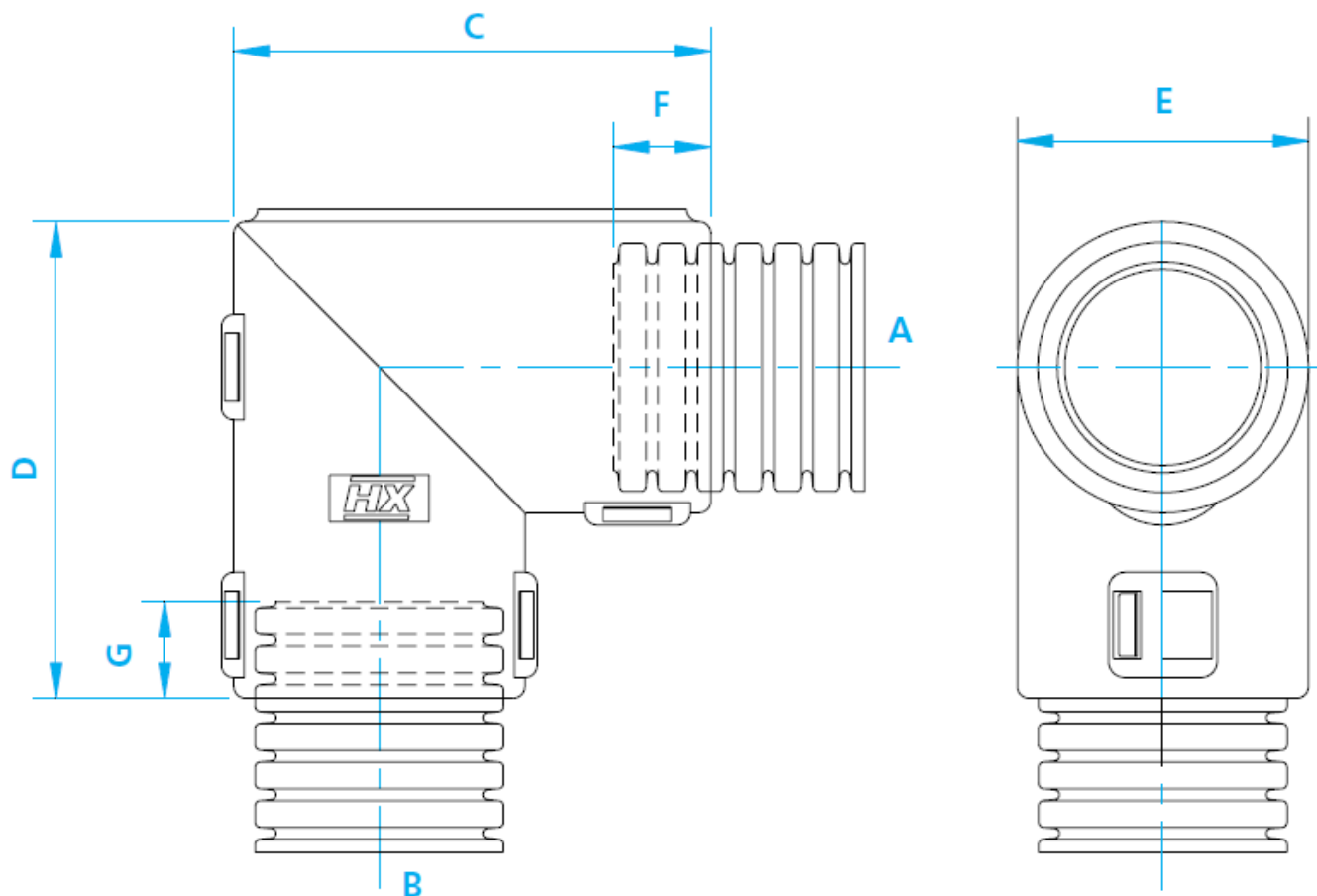
Part Number * Stocked Items	Conduit Sizes				Nominal Dimensions (mm)				
	(NC)		(NW)		C	D	E	F	G
	A	B	A	B					
EPH1612	16	12	13	10	34	34	21	10	10
EPH1616	16	16	13	13	34	34	21	10	10
EPH2020	20	20	17	17	41	41	26	12	12

Part Number ** Made to Order	Conduit Sizes				Nominal Dimensions (mm)				
	(NC)		(NW)		C	D	E	F	G
	A	B	A	B					
EPH08S08	08	08	7.5	7.5	38	29	20	10	10
EPH12S12	12	12	10	10	38	29	20	10	10
EPH1608	16	08	10	7.5	34	34	21	10	10
EPH2008	20	08	17	7.5	41	39	26	12	10
EPH2016	20	16	17	13	41	41	26	12	10

Note : Nominal Dimensions are in mm

\* Part numbers listed are stocked items available for immediate order

\*\* Parts numbers listed are available to order but not stocked items, and would therefore be subject to manufacturing leadtime.



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### Chemical Resistance Chart

<b>Key:</b>	● 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
	Suitable : ●	● Acetone	● Ethylamine	● Transformer Oil
	Limited Suitability : ●	● Aluminium Chloride	● Ethylene Glycol	● 1,1,1-Trichloroethane
	Unsuitable : ●	● Aniline	● Ethyl Ethanoate	● Trichloroethylene
	Not Tested : ●	● Benzaldehyde	● Freon 32	● Turpentine
		● Benzene	● Hydrochloric Acid (10%)	● Urea
		● Carbon tetrachloride	● Hydrochloric Acid (36%)	● Uric Acid
		● Chlorine water	● Hydrogen Peroxide (35%)	● Vegetable Oil
		● Chloroform	● Hydrogen Peroxide (87%)	● Vinyl Acetate
		● Citric Acid	● Lactic Acid	● Water
		● Copper Sulphate	● Lubricating oil	● White Spirit
		● Cresol	● Methanol	● Zinc Chloride
		● Paraffin oil		
		● Oxalic Acid		
		● Ozone (Gas)		
		● Phenol		
		● Sea Water		
		● Silver Nitrate		
		● Skydrol		
		● Sodium Chloride		
		● Sodium Hydroxide (10%)		
		● 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 Thomas & Betts for further information.

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:

<b>Storage temp.</b>	<b>Installation temp.</b>	<b>Rel. humidity</b>
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.