Trans Technical Solutions

Tel: +27 11 974 9679
Fax: +27 11 974 9653
Email: sales@ttsafrica.com

P O Box 5094
Delmenville
1403

Unit F11, Roete 24
Meadowdale
Germiston

www.ttsafrica.com

TempGuard Interfaces

AMP AS Superseal Connector Interface

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	CE RoHS
Degree of mechanical protection	High
Degree of protection	IP40 - Hinged Connector Interface fittings
UV protection	Medium
Finish	Dark Orange
Application	Single junction straight and 90° elbow fittings providing high integrity connections between AS - AMP Superseal connectors and H-flex conduit systems. In addition, 90° elbow versions allow the conduit to swivel 360° around the connector housing, sufficient to avoid the problems associated with one-piece interfaces of overflexing due to movement or vibration.

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 H-flex conduits.

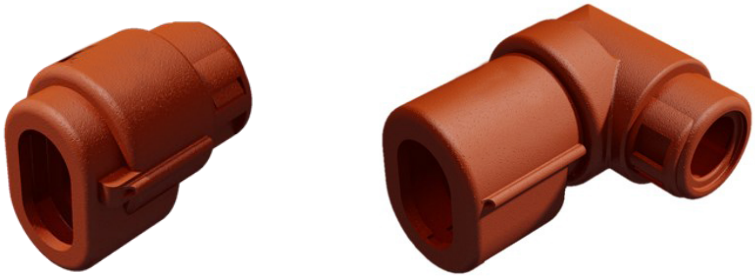
Fire Performance

Test Standard	Performance Rating
UL94	**V2**
UL94 RTI	**150 (Elec)**

Chemical resistance & Storage data: See page 4

Type of material: High Temperature Polyamide (Nylon) - Low Smoke and Halogen Free

Image



Trans Technical Solutions
Tel: +27 11 974 9679
Fax: +27 11 974 9653
Email: sales@ttsafrica.com
P O Box 5094
Delmenville
1403
Unit F11, Roete 24
Meadowdale
Germiston
www.ttsafrica.com

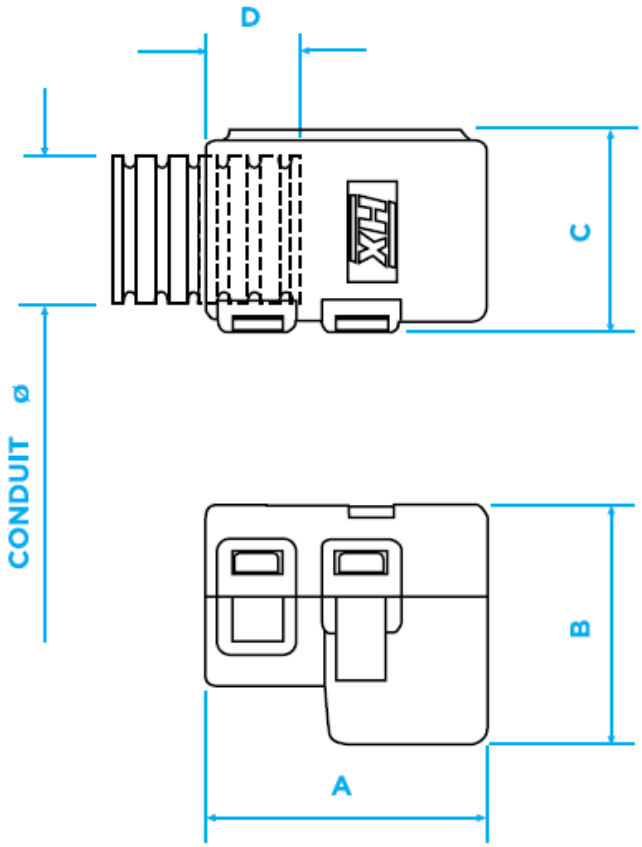
TempGuard Interfaces
AMP AS Superseal Connector Interface

Dimensional Data & Part Number Configuration

Straight Interface * Stocked Items	A	B	C	D	Conduit Size (NC)	Conduit Size (NW)	AMP - Reference
TCIH08-AS2	22.4	20.5	18	10	08	7.5	AMP Superseal 2-way
TCIH08-AS3	22.4	26.5	18	10	08	7.5	AMP Superseal 3-way
TCIH08-AS4	34.0	33.0	18	10	08	7.5	AMP Superseal 4-way
TCIH12-AS2	22.4	20.5	18	10	12	10	AMP Superseal 2-way
TCIH12-AS4	34.0	33.0	19	10	12	10	AMP Superseal 4-way

Straight Interface ** Made to Order	A	B	C	D	Conduit Size (NC)	Conduit Size (NW)	AMP - Reference
TCIH10-AS2	34	21	20	10	10	8.5	AMP Superseal 2-way
TCIH10-AS3	34	27	20	10	10	8.5	AMP Superseal 3-way
TCIH10-AS4	34	33	20	10	10	8.5	AMP Superseal 4-way
TCIH12-AS1	23.6	16.1	18	10	12	10	AMP Superseal 1-way
TCIH12-AS3	22.4	26.5	18	10	12	10	AMP Superseal 3-way

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.



Trans Technical Solutions

Tel: +27 11 974 9679
Fax: +27 11 974 9653
Email: sales@ttsafrica.com

P O Box 5094
Delmenville
1403

Unit F11, Roete 24
Meadowdale
Germiston

www.ttsafrica.com

TempGuard Interfaces

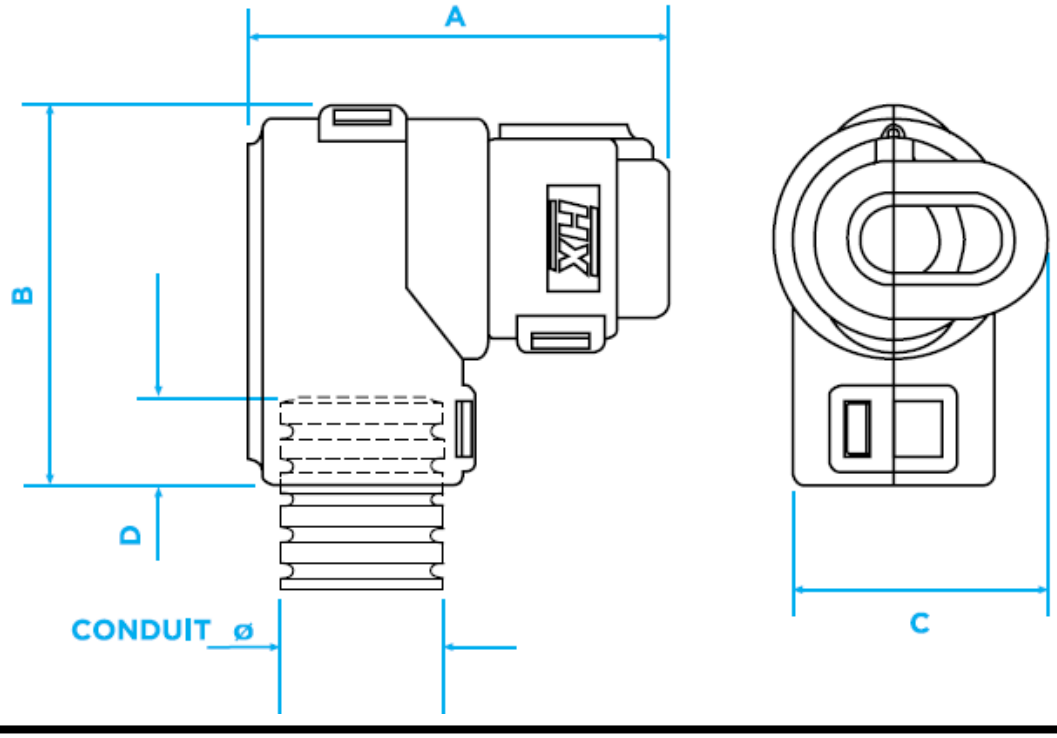
AMP AS Superseal 90° Elbow Connector Interface

Dimensional Data & Part Number Configuration

90° Elbow Interface * Stocked Item	A	B	C	D	Conduit Size (NC)	Conduit Size (NW)	AMP - Reference
CIH08-90-AS2	33.3	30.3	18	10	08	7.5	AMP Superseal 2-way

Swivel 90° Interface ** Made to Order	A	B	C	D	Conduit Size (NC)	Conduit Size (NW)	AMP - Reference
TCIH08-90-AS1	37.5	30.3	18	10	08	7.5	AMP Superseal 1-way
TCIH08-90-AS3	33.3	30.3	18	10	08	7.5	AMP Superseal 3-way
TCIH08-90-AS4	37	30.3	18	10	08	7.5	AMP Superseal 4-way
TCIH10-90-AS2	35	38	19	10	10	8.5	AMP Superseal 2-way
TCIH10-90-AS3	35	38	19	10	10	8.5	AMP Superseal 3-way
TCIH10-90-AS4	41.2	38	19	10	10	8.5	AMP Superseal 4-way
TCIH12-90-AS1	33.3	30.3	18	10	12	10	AMP Superseal 1-way
TCIH12-90-AS2	33.3	30.3	20.5	10	12	10	AMP Superseal 2-way
TCIH12-90-AS3	33.3	30.3	26.7	10	12	10	AMP Superseal 3-way
TCIH12-90-AS4	37	30.3	33	10	12	10	AMP Superseal 4-way

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.



Trans Technical Solutions
Tel: +27 11 974 9679
Fax: +27 11 974 9653
Email: sales@ttsafrica.com
P O Box 5094
Delmenville
1403
Unit F11, Roete 24
Meadowdale
Germiston
www.ttsafrica.com

TempGuard Interfaces

AMP AS Superseal Connector Interface

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	Urea
Carbon tetrachloride	Hydrochloric Acid (36%)	Sea Water	Uric Acid
Chlorine water	Hydrogen Peroxide (35%)	Silver Nitrate	Vegetable Oil
Chloroform	Hydrogen Peroxide (87%)	Skydrol	Vinyl Acetate
Citric Acid	Lactic Acid	Sodium Chloride	Water
Copper Sulphate	Lubricating oil	Sodium Hydroxide (10%)	White Spirit
Cresol	Methanol	Sodium Hydroxide (60%)	Zinc Chloride

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 TTS 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, H-flex 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.