



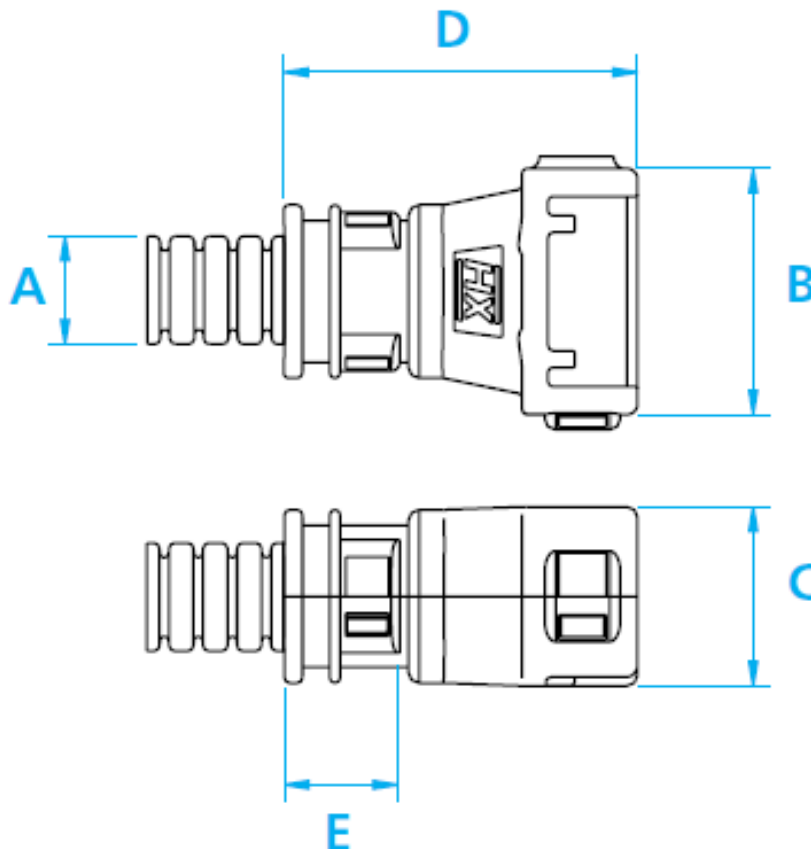
# External Hinged Interfaces

## FCI Automotive APEX - Connector



### Dimensional Data & Part Number Configuration

Part No.	Connector	Conduit Size (A) (NC)	Conduit Size (A) (NW)	B	C	D	E
CI08-FCI02	2 Way	08	7.5	25.0	17.0	33	12
CI08-FCI03	3 Way	08	7.5	34.0	17.0	34	12
CI08-FCI04	4 Way	08	7.5	39.0	17.0	34	12
CI12-FCI02	2 Way	12	10	25.0	17.0	27	7
CI12-FCI03	3 Way	12	10	35.0	17.0	29	7
CI12-FCI04	4 Way	12	10	38.0	17.0	29	7
CI12-FCI14	14 Way	12	10	53.0	26.0	34	10
CI16-FCI14	14 Way	16	13	53.0	26.0	59	10
16-FCI14	14 Way	n/a	n/a	53.0	26.0	33	n/a
CI17-FCI10	10 Way	17	14	39.2	25.5	44	10.6
CI25-FCI50	50 Way	25	22	56.0	37.0	50.7	13



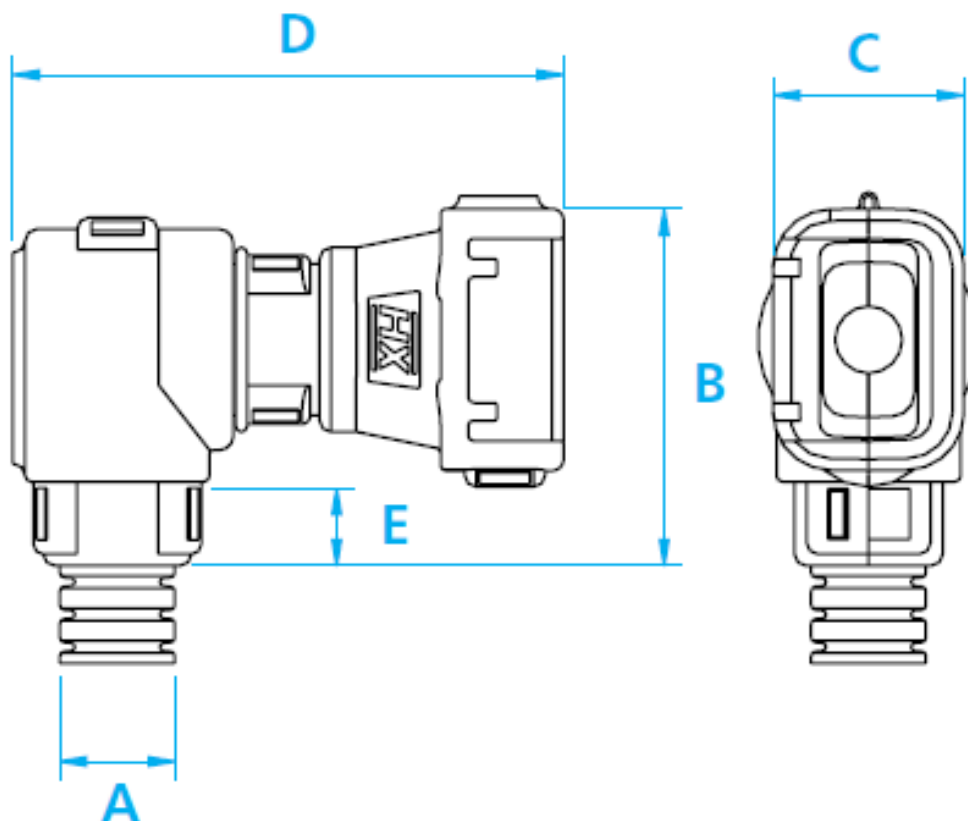
# External Hinged Interfaces

## FCI Automotive APEX - Connector



### Dimensional Data & Part Number Configuration

Part No.	Connector	Conduit Size (A)	Conduit Size (A)	B	C	D	E
CI08-90-FCS02	2 Way	08	7.5	30.0	19.0	33	10
CI08-90-FCI02	2 Way	08	7.5	31.0	19.0	48	10
CI08-90-FCI03	3 Way	08	7.5	35.0	19.0	49	10
CI08-90-FCI04	4 Way	08	7.5	38.0	19.0	49	10
CI12-90-FCI02	2 Way	12	10	32.0	19.0	48	10
CI12-90-FCI03	3 Way	12	10	37.0	19.0	49	10
CI12-90-FCI04	4 Way	12	10	38.0	19.0	49	10
CI08-90-FCI14	14 Way	8	7.5	38.0	24.0	57	10
CI12-90-FCI14	14 Way	12	10	38.0	24.0	57	10
CI16-90-FCI14	14 Way	16	13	38.0	24.0	57	10



# External Hinged Interfaces

## FCI Automotive APEX - Connector



### 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 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>
<b>18°C to 30°C</b>	<b>&gt;18°C</b>	<b>&gt;30%</b>

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.