

# Sealed Fittings

## 90° Flanged Elbow Fitting



### 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
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Approvals and Standards	  
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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	90° elbow compression type fittings providing a 4 hole panel mounting face. Sealed fittings can be used with all Harnessflex conduits

Normal operating temperature range Continuous (30,000 Hours) Short Term (3000 Hours)	Minimum Temperature	Maximum Temperature
	- 40°C	+ 120°C
	- 45°C	+ 150°C

For use with - Conduit range	For use with all solid Conduits in the <a href="#">Harnessflex</a> range
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Fire performance	Self Extinguishing Low smoke toxicity & Halogen Free
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Chemical resistance & Storage data	Click or See page <a href="#">4</a>
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Type of material	Polyamide (Nylon) PA 66 - heat and UV stabilised
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**Note: Order fitting bodies, cap nuts and sealing and washers separately - See page 2 & 3 for part numbers.**

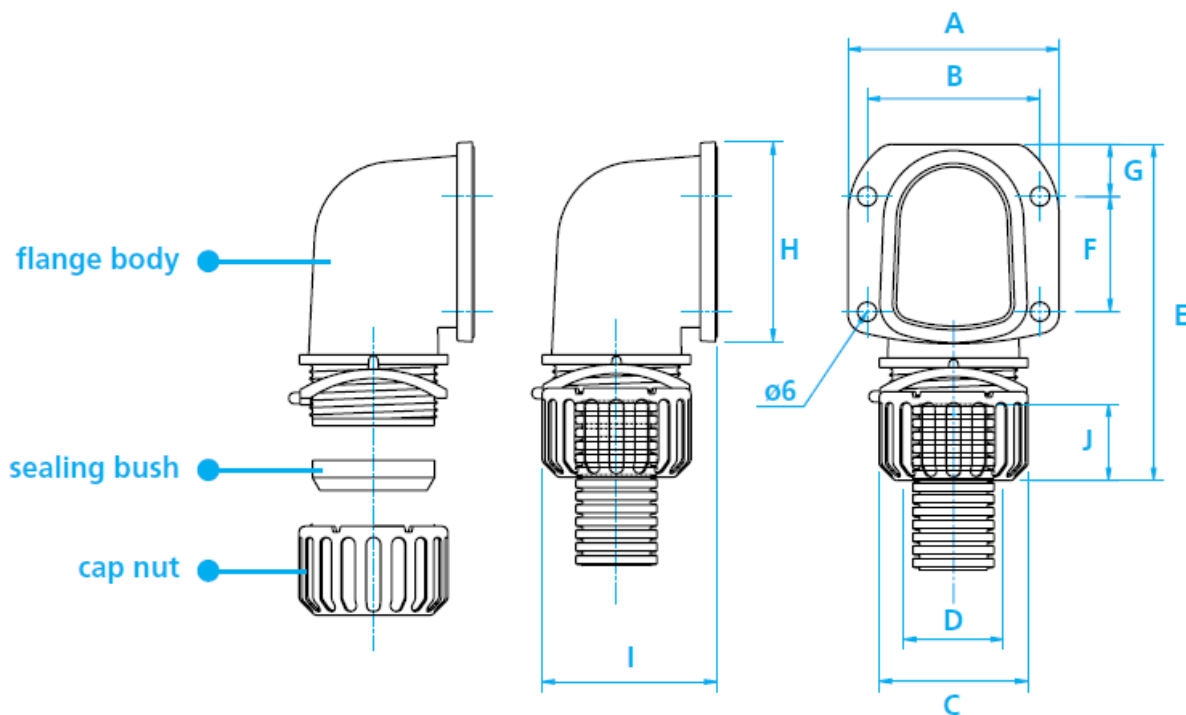
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### Dimensional Data & Part Number Configuration

Part Number Fitting Body Metric Thread	Cap Nut	Sealing Bush	Conduit Size		Dimensions (mm)									
			(NC)	(NW)	A	B	C	D	E	F	G	H	I	J
AB32-F90	CN32	SRN29	32	29	66	54	46	36	95	36	17	63	53	27
AB40-F90	CN36	SRN36	40	36	86	73	63	46	115	30	27	77	64	35
AB50-F90	CN48	SRN48	50	48	86	73	73	59	125	30	30	86	77	35



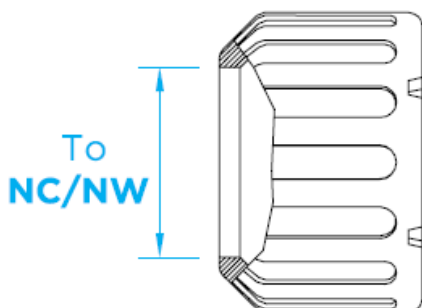
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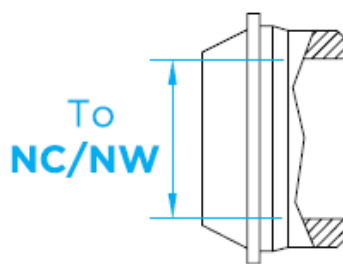


### Dimensional Data & Part Number Configuration

Cap Nut Part Number	Seal Part Number	From Conduit Size		To Conduit Size	
		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

<b>Key:</b>  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> 18°C to 30°C	<b>Installation temp.</b> >18°C	<b>Rel. humidity</b> >30%
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In the very dry winter months the moisture balance may go down slightly as the material releases moisture to the environment (owing to lower relative humidity).

Compared to natural outdoor conditions\* at around 0°C (40 ... 80% rh), the humidity in heated rooms may drop by half to below 20% rh if no humidification is present. (Even extremely dry regions such as the Sahara Desert record average humidity of 20% to 60% rh.) (\*Central European climate.)

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.