



<p>PVC DUCT BENDS POWER</p>  <p>EF450-012 (Rev4)</p>	
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General

Emtelle PVC Power Duct bends are manufactured from a solid wall duct and provide the means to change direction and/or depth on a ducted network and also to meet the termination of the cable at the point of use (Hockey Stick).

All bends come with an interference fit socket as standard, with the opposable end being a spigot. Interference ring seal sockets are available in 110mm, 160mm, 200mm & 250mm OD sizes.

Bends are available in Class 1 and Class 2 and are formed from duct manufactured to Emtelle Generic Specification EF450-014 PVC Duct (Power), and should only ever be used with this duct.

All bends for this application are long radius to meet the requirements of High & Low Voltage Cables. Emtelle recommend checking the bend radius of the cable before specifying the bend size.

PVC bends are supplied in either non-returnable woven polypropylene sacks which are biodegradable, or strapped. The sacks are designed to be stored on an even, dry and stable area; they are not to be stacked upon.

Physical Characteristics

Raw Materials are PVC resin and other additives suitable for the required properties of the finished product. Standard colours are Black & Red. 38mm Hockey Sticks are available in white.

Standard Bend Sizes

Nominal OD of duct	Angle	Radius
38mm	90°	400mm
38mm*	90°	400mm

43mm**	90°	400mm
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53.9mm	22 ½°	350mm
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88.9mm	11 ¼°	1,500mm
88.9mm	11 ¼°	3,900mm
88.9mm	22 ½°	1,500mm
88.9mm	22 ½°	3,900mm

96.5mm	11 ¼°	3,800mm
96.5mm	22 ½°	2,585mm
96.5mm	45°	350mm
96.5mm	90°	427mm

110mm	11 ¼°	700mm
110mm	11 ¼°	1,200mm
110mm	11 ¼°	3,500mm
110mm	22 ½°	700mm
110mm	22 ½°	1,200mm

Nominal OD of duct	Angle	Radius
110mm	22 ½°	1,750mm
110mm	45°	560mm
110mm	45°	1,200mm
110mm	90°	450mm
110mm	90°	1,200mm

125mm	11 ¼°	1,200mm
125mm	11 ¼°	3,900mm
125mm	22 ½°	1,200mm
125mm	22 ½°	3,900mm
125mm	45°	1,200mm
125mm	90°	1,200mm

140mm	11 ¼°	3,900mm
140mm	22 ½°	1,950mm
140mm	22 ½°	3,900mm

160mm	11 ¼°	560mm
160mm	11 ¼°	1,200mm
160mm	11 ¼°	3,900mm
160mm	22 ½°	560mm
160mm	22 ½°	1,200mm

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Standard Bend Sizes (cont)

Nominal OD of duct	Angle	Radius
160mm	22 ½°	3,900mm
160mm	45°	560mm
160mm	45°	1,200mm
160mm	90°	560mm
160mm	90°	1,200mm

168mm	22 ½°	3,900mm
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180mm	22 ½°	3,900mm
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200mm	11 ¼°	3,900mm
200mm	22 ½°	3,900mm

225mm	11 ¼°	3,900mm
225mm	22 ½°	3,900mm

250mm	11 ¼°	4,500mm
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*Hockey Stick ** Hockey Stick, 50mm ID Socket.

Other Non-Standard bends may be available upon request.

200mm OD sizes and above are designed taking into account safe cable bend radius.