

Form No:	 PE&SD	BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION	PY 52 125
		TECHNICAL SPECIFICATION	Rev. No. 01
		SLIP-ON WELDING/THREADED/BLIND PLATE FLANGE PR CLASS 150 B16.5, CARBON STEEL	Page 1 of 1

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SLIP-ON WELDING/THREADED/BLIND PLATE FLANGE
PR CLASS 150 B16.5, CARBON STEEL

1.0 GENERAL

- 1.1 This standard specifies requirements related to Designation, Material, Size, Dimensions and other information required for ordering purposes of Carbon Steel (Slip-on Welding/ Threaded/ Blind) Plate Flanges of Pressure Class 150 with Flat Face as per ASME B16.5.
- 1.2 The (Slip-on Welding/ Threaded/ Blind) Flanges supplied according to this specification shall conform to the requirements of latest version of ASME Standard B16.5 "PIPE FLANGES AND FLANGED FITTINGS" and comply with the following additional requirements.
- 1.3 This specification is applicable for (Slip-on Welding/ Threaded/ Blind) Flanges of Sizes NPS ½" to NPS 24".

2.0 MATERIAL:

- 2.1 The Flanges shall be cut as a single piece from Carbon Steel Plate and shall be machined to the required dimensions. Segmentation is not allowed.
- 2.2 Material, Construction, Chemical Composition, Mechanical Properties, Heat Treatment, Testing and other requirements related to Material shall be in accordance with IS 2062 (Latest edition).
- 2.3 *Galvanizing shall be carried out as per ASTM A123, if specified.*

3.0 DIMENSIONS, TOLERANCES AND OTHER REQUIREMENTS:

Shall be as per ASME B16.5 (Latest edition).

4.0 SIZE:

Flange Size (NPS in inches), Type (SO - Slip on Welding/ SC - Threaded/Blind) shall be as per BHEL Enquiry/Order.

5.0 DESIGNATION:

A 10" Carbon Steel Slip-on Welding Flange of Pressure Class 150 with Flat Face shall be designated as:

FLNG SLIPON IS2062 0.5" CL150 B16.5 FF.

6.0 TECHNICAL DELIVERY CONDITIONS:

All other requirements shall be as per BHEL Corporate Standard AA0851401.

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RECORD OF REVISIONS:

Rev	Date	Revision Detail	Revised by	Approved by
00	07.09.2015	FIRST ISSUE	 SRIKANTH G	 S B RAO
01	20.07.2018	Generally Revised to include Threaded Flanges and Galvanizing Specification.	 G.KALYAN	 SRIKANTH G

Refer Doc	LAYOUTS & PIPING ENGINEERING	PREPARED	CHECKED	APPROVED	DATE
	PROJECT ENGINEERING & SYSTEMS DIVISION	 CH MANOJ	 SRIKANTH G	 S B RAO	07.09.15