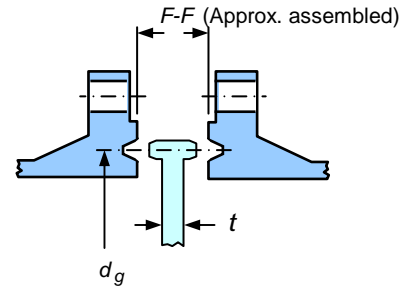


## Data Sheet - Line Blanks - Male Ring Joint per ASME B31.3 -2010

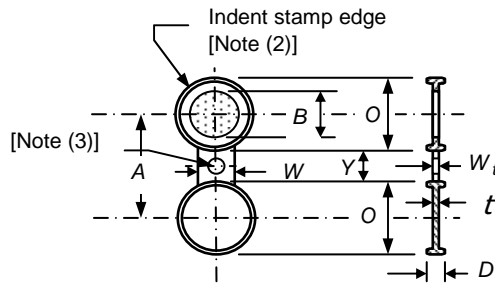
Client:	Description:	Prepared By	Approval	Date	Rev.
					0
Customer No.:	Item No.:				1
					2
Owner No.:	Drawing No.:				3
					4

Quantity: **1 Each**  
 Item Type: **Figure-8 Blank**  
 Line Size, NPS: **10**  
 Material of Blank/Spacer: **ASTM A387 Gr. 5 Cl. 1 Alloy Steel Plate 5Cr-1/2Mo**  
 Material of Handle/Web: **ASTM A515 Gr 65 Carbon Steel Plate**  
 Flange Rating Class: **300 (ASME B16.5)**  
 Design Pressure: **750 psig = 52.7 kgf/cm<sup>2</sup> = 51.7 barG = 5171 kPa**  
 Design Temperature: **100 F (38 C)**  
 Facing Type: **Male RJ, Octagonal**  
 Facing Finish: **Ring: 1.6 μm (63 μin) Ra roughness**  
 Ring No.: **R53**  
 Standards: (a) ASME B16.5 Flanges, NPS 1/2 thru 24  
 (b) ASME B16.48 Line Blanks (except not thickness)  
 (c) ASME B16.20 -2007 RJ Gaskets



Tolerances: Shall be per above Standards  
 Coating: **Handle or web to have one shop coat primer.**  
 Special Features: **Package in wooden crate for shipping. Follow dwg. and notes below.**  
 Markings: **mfg. mark**

mfg. mark
0
CL 300
NPS 10
750 psig
100 F (38 C)
R53



**Figure-8  
Type 3M**

**Notes:**

- (1) Handles for blanks shall be solid with no hole. Handles for spacers shall have a single 12 mm (1/2 in.) minimum diameter indicator hole.
- (2) Marking: Line blanks shall be metal indent-stamped as follows:
  - (a) Manufacturer's name or trademark
  - (b) Material specification & grade or class (abbreviated)
  - (c) Pressure class or design pressure & temperature
  - (d) Size (NPS)
  - (e) Ring number
- (3) The thickness of the web (or tie bar) dimension,  $W_t$ , was determined by ASME B16.48 -2005, para. 3.1. Other design by buyer approval.
- (4) Hole size,  $H$  (where required due to bolt spacing), shall be the same as the flange bolt hole.
- (5) Finish height,  $D$ , may include some additional allowance for resurfacing.

	Dimensions	
	Inch	mm
$O =$	13.188	335.0
$B =$	10.75	273.1
$t =$	1.125	28.6
$D =$	2.18	55.4
$F =$	n/a	n/a
$G =$	n/a	n/a
$L =$	n/a	n/a
$A =$	15.25	387.4
$W =$	4	101.6
$W_t =$	0.5	12.7
$Y =$	2.062	52.4
$H =$	1.125	28.6
$F-F =$	1.47	37.3
Ring #	R53	R53
$d_g =$	12.75	323.9
$c =$	0.000	0.00
$K =$	0.125	3.18
$c =$ corrosion allowance		
$K =$ extra height in $D$ & $F-F$		

	Weights	
	Lbs.	kg
Type 1	n/a	n/a
Type 2	n/a	n/a
Type 1 + 2	n/a	n/a
Fig-8	66.3	30.1