

# TB = Trunnion twin balls



## Elastomer seal design

PLUG 1/4"NPT  
DOUBLE O-RING  
MATERIAL:JW EOL 985

POS.	PART NAME	MATERIAL
01	BODY	UNS S32780
02	SEAT	UNS S32780+TCC 150 Micron
03	BALL	UNS S32780+TCC 150 Micron
04	STEM	UNS S32780
05	STEM COVER	UNS S32780
06	FLANGE	UNS S32780
07	TRUNNION	UNS S32780
09	OPERATOR FLANGE	UNS S32780
10	LEVER	S.S.
11	LOCKING DEVICE	S.S.
51	STUD	A320 L7M (1)
52	NUT	ASTM A194 7M (1)
54	SCREW	A320 L7M (1)
54.1	SCREW	A4-70
55	THRUST WASHER	S.S. + PTFE
56	THRUST BEARING	S.S. + PTFE
59	BLEEDER	UNS S32780
62	O-RING	JW EOL 985
63	GASKET	GRAPHITE
66	SPRING	INCONEL X-750
69	PIN	UNS S32780
70	KEY	UNS S32780

(1) ZINC/NIKEL 10 micron

130	NEEDLE LEVER NUT	S.S.
200	NEEDLE STEM	UNS S32780 4ET.
210	NEEDLE PACKING GLAND	ASB1316
220	NEEDLE BODY	UNS S32780
230	NEEDLE BODY GASKET	GRAPHITE
240	NEEDLE LEVER	S.S.
250	NEEDLE CUP SURE	UNS S32780
260	NEEDLE STEM GASKET	GRAPHITE
270	NEEDLE PLUG	UNS S32780

NEEDLE VALVE DETAIL  
SEZ. A-A

NOTE:  
 - Dimension in mm, weight in kg  
 - Valve according to API 6D - B16.34 - ASME VIII Div.1  
 - Flanges according to ASME B16.5  
 - Face to face according to API 6D - ASME B16.10  
 - Antisiphon device according to BS 5351  
 - Fire safe according to BS-6755 Pt 2/PA16FA  
 - Material acc. to NACE MR0175/ISO 15156  
 - Test according to 12266-1 / API 6D/ API 598

METAL TO METAL  
SEATED+HARD  
TCC ON CONTACT  
SURFACE

1/2"NPT-F

BALL VALVE  
DBB TWIN BALLS TRUNNION

GENERAL ASSEMBLY

ITEM:	QTY:	SIZE:	CLASS:	ENDS:	A	B	B1	C	D	E	L	WEIGHT
1	4	1-1/2"	1500	RTJ	470	38	38	90	123	285	900	82