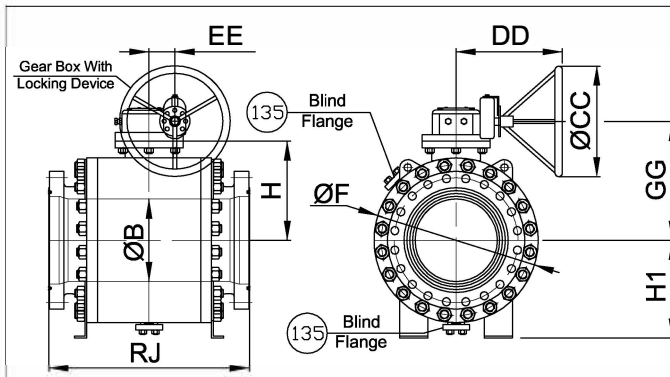


N°	PART NAME	MATERIALS	NOTE
1	BODY	ASTM A 182 F55	
2R	BODY END	ASTM A 182 F55	
3	BALL	ASTM A 182 F55	(7)
4	STEM	ASTM A 479 S32760	
5	SEAT	ASTM A 182 F55	(7)
*	6	O-RING	ENDURA V91A
*	7	O-RING	ENDURA V91A
*	8	GASKET	GRAPHITE (5)
*	13A	GASKET	GRAPHITE (5)
14	STUD	ASTM A 320 L7M	(4)
22	NUT	ASTM A 194 Gr. 7M (S3)	(4)
*	31	O-RING	ENDURA V91A
32	SPRING	INCINEL X 750	
36	STEM BEARING	S.S./PTFE COATED	
*	37	GASKET	GRAPHITE (5)
*	41A	GASKET	GRAPHITE (5)
43	SOCKET CAP SCREW	ASTM A 320 L7M	(4)
45	THRUST BEARING	S.S./PTFE COATED	
*	49	O-RING	ENDURA V91A
53	BONNET	ASTM A 182 F55	
76	UPPER THRUST BEARING	S.S./PTFE COATED	
78	BEARING RETAINER	ASTM A 240 S32760	
78A	BEARING RETAINER	ASTM A 240 S32760	
79	ISO FLANGE	ASTM A 182 F55	
80	UPPER BEARING	S.S./PTFE COATED	
82	LOWER THRUST BEARING	S.S./PTFE COATED	
83	LOWER BEARING	S.S./PTFE COATED	
135	RJ BLIND FLANGE 1/2" #1500	F55	
265	BLIND FLANGE GASKET	STAINLESS STEEL 316	
266	STUD	ASTM A 320 L7M	(4)
270	NUT	ASTM A 194 Gr. 7M (S3)	(4)

NOTE:
 4) ZINC / NICKEL PLATED
 5) GRAPHITE WITH CORROSION INHIBITOR
 7) TUNGSTEN CARBIDE COATING 150 μm
 *) SUGGESTED SPARE PARTS FOR 2 YEARS OPERATIONS

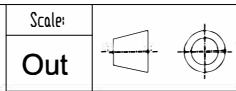
ITEM	TAG
001	HV4S201D

GEAR BOX											
NPS	CLASS	RJ	ØB	ØF (body)	H	H1±10	Kg.	ØCC	DD	EE	GG
14"x12"	900	1038	305	670	435	460	1850	700	600	165	520



DESIGN TEMPERATURE:
 -46° C To +120° C

GENERAL NOTES:
 -BALL VALVES ARE ACCORDING TO NACE MR0175
 -DIMENSIONS ARE IN mm
 -APPROX.WEIGHT IN KG
 -DESIGN/CONSTR. : API 6D / ASME B 16.34
 -END TO END DIMENSION : ASME B16.10 / API 6D
 -FLANGE DIMENSIONS : ASME B 16.5
 -ANTISTATIC DEVICE
 -FIRE SAFE TEST : API 607 / ISO 10497
 -PRESSURE TEST : API 598 / API 6D



Design by: JZ Checked by: DB Approved by: MZ Date: 25-03-2014

Description :
 GENERAL ASSEMBLY DRAWING / BILL OF MATERIAL

TRUNNIDN BALL VALVE
 RED. BORE - CLASS 900

Dwg. Nr.: 140018-001 Rev: 00