



*Milano 1986 Italy*  
*www.sbc-it.com*

**SBC Srl**  
PH +39 02 984 91 676



**Trunnion ball valve.  
Double block and bleed  
ball valves  
full and reduced bore**

- RF - RJ - HUB - BW ENDS
- LEVER, GEAR, PNEUMATIC, HYDRAULIC, ELECTRIC MOTOR OPERATED
- SELF RELIEVING SEATS DOUBLE BLOCK & BLEED OR DOUBLE PISTON EFFECT (option)

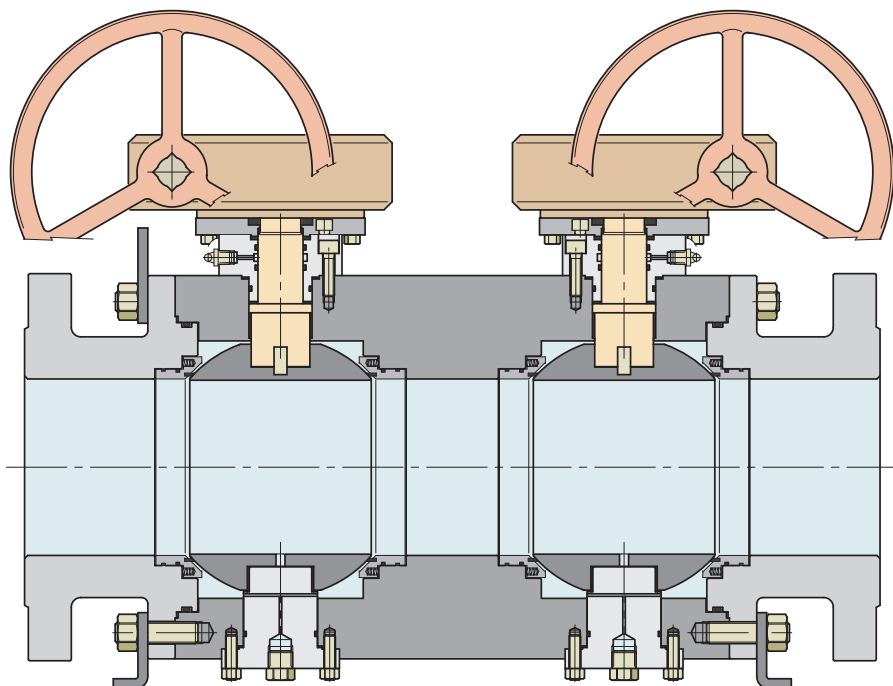


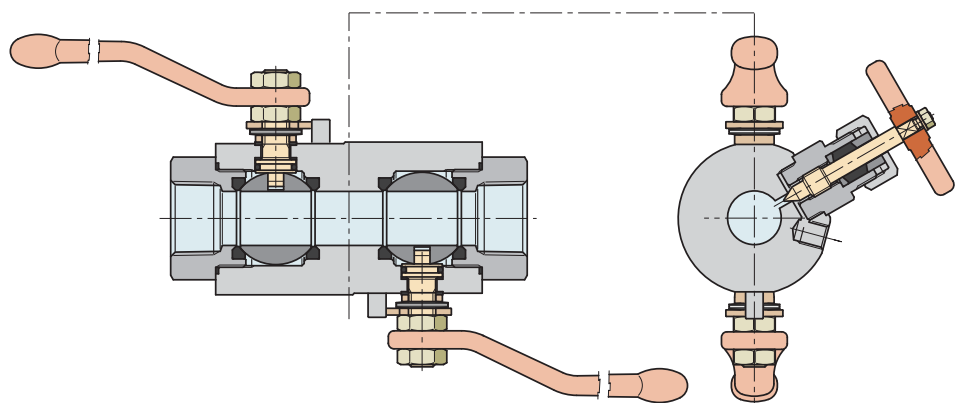
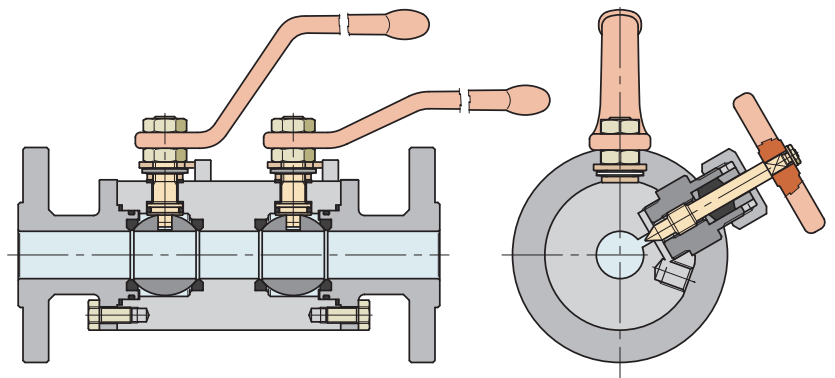
Double block and bleed valve is a combination of two ball valves with a needle valve between. That design type allows to have an integral compact body and short face to face dimension.  
You can have different solutions and different valve ends, as per customer request.

# 88

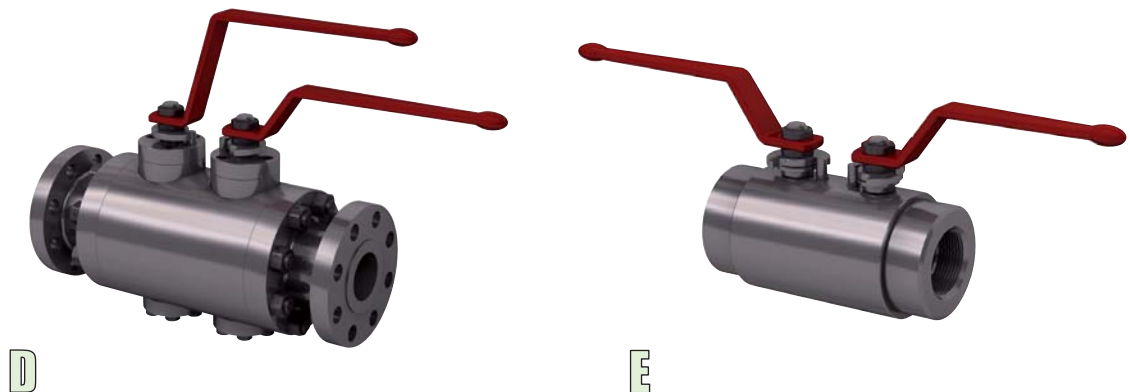
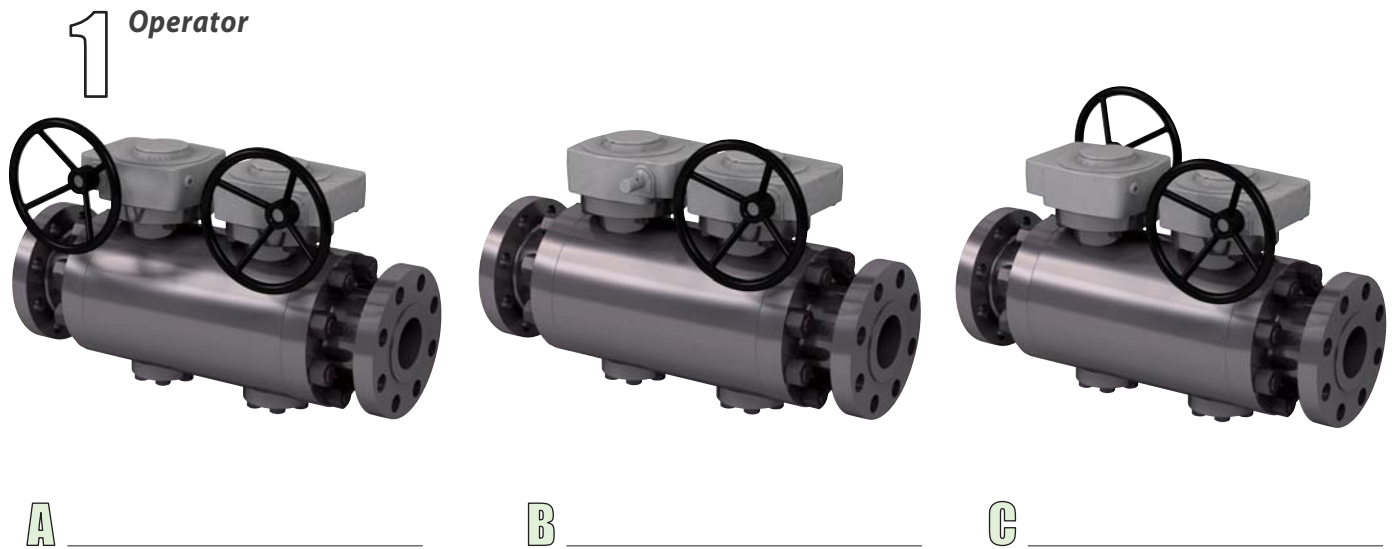
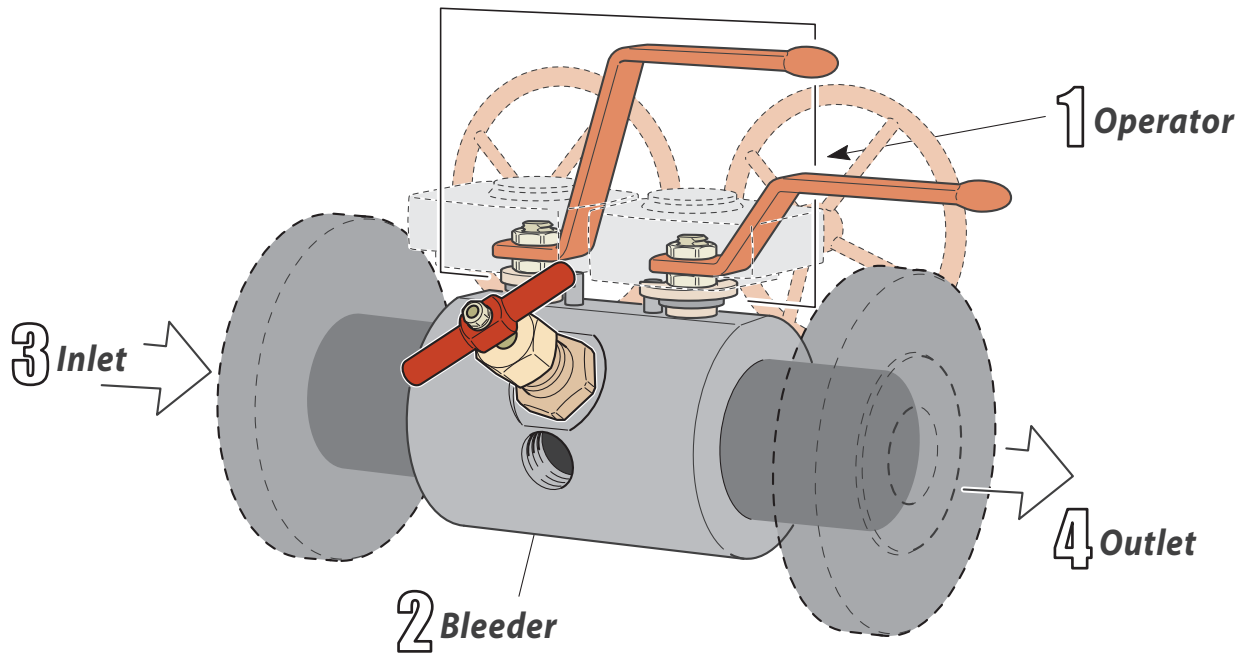


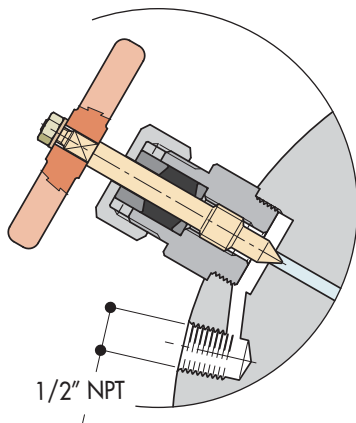
**FULL BORE VERSION**





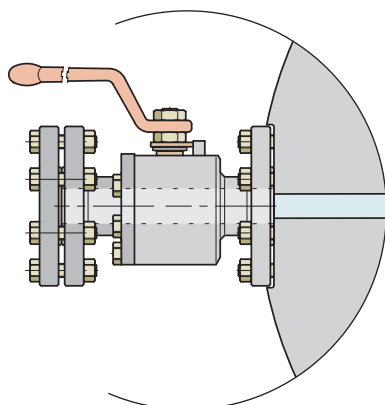
*Different options are available on that kind of valve, related to operator type, bleeder type, inlet/outlet ends.*





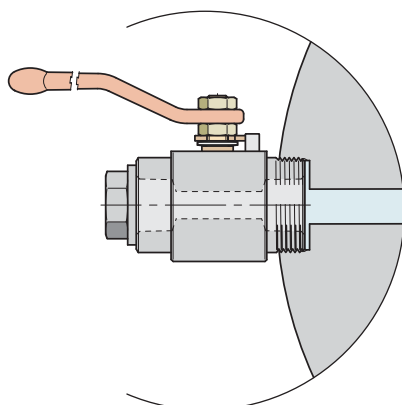
**A**

*Standard version:  
needle valve screwed  
into the valve body  
with 1/2" NPTF bleed.*



**B**

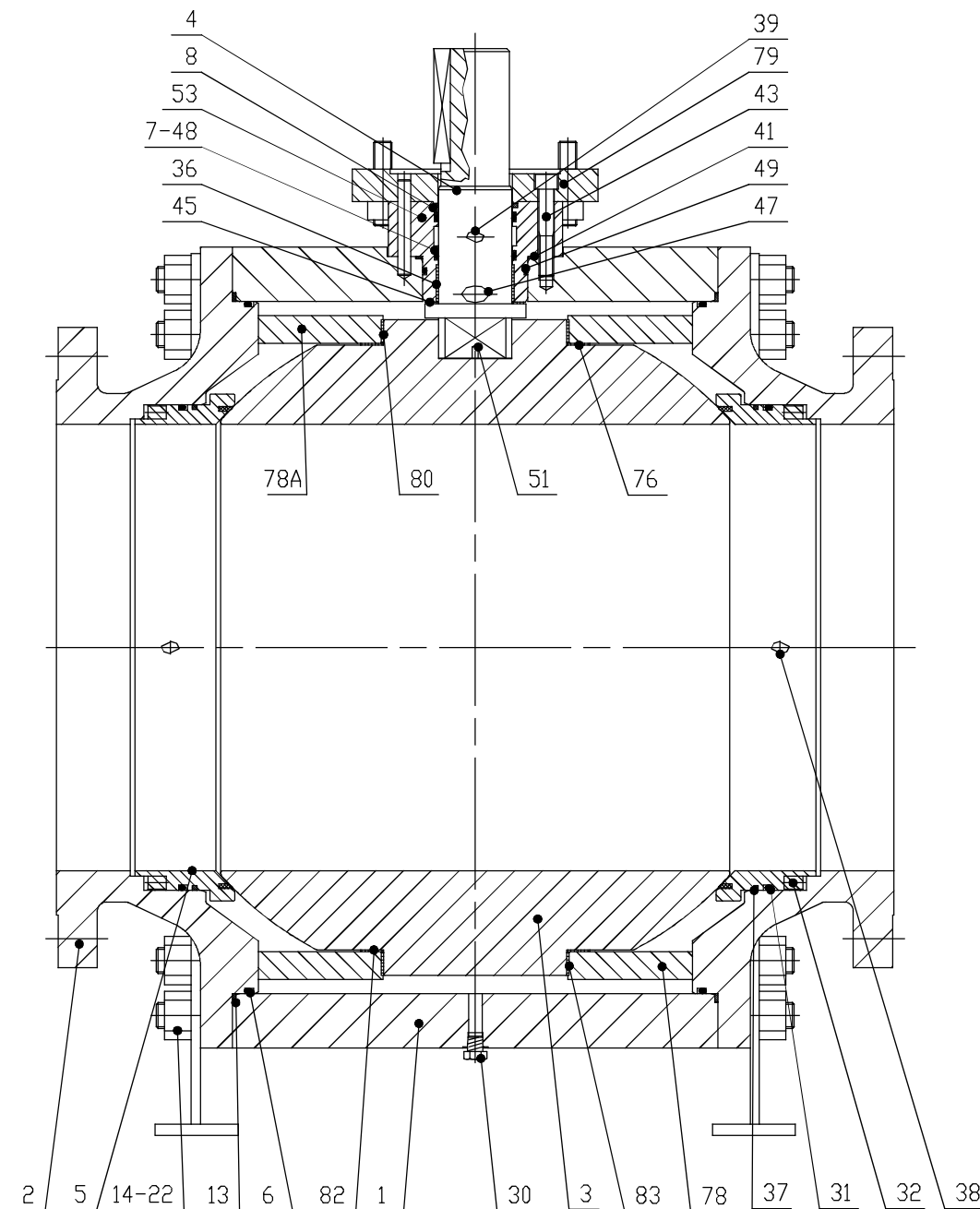
*Floating ball valve, our  
Art.75, bolted to the  
valve body; that valve  
is provided with blind  
flange.*



**C**

*Floating ball valve, our  
Art.60, screwed to the  
valve body; that valve  
is provided with plug.*





#### ACCESSORIES & FEATURES:

- ☐ FIRE SAFE DESIGN API 607
- ☐ METAL TO METAL SEAT
- ☐ DOUBLE PISTON SEAT EFFECT
- ☐ EMERGENCY SEALANT INJECTION ON STEM
- ☐ EMERGENCY SEALANT INJECTION ON SEAT
- ☐ SEAT AND STEM POCKET OVERLAY
- ☐ TRANSITION PUPS FOR WELDED ENDS VALVES
- ☐ EXTENDED STEM FOR UNDERGROUND INSTALLATION (SEE FIGURE N°1)
- ☐ EXTENDED BONNET FOR LOW OR HIGH TEMPERATURE (SEE FIGURE N°2)
- ☐ LOCKING CAPABILITY IN OPEN AND CLOSE POSITION (SEE FIGURE N°3)

POS. N. 30 - 47  
DRAIN PLUG - VENT PLUG

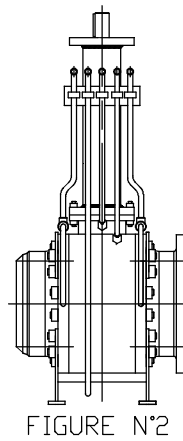


FIGURE N°2

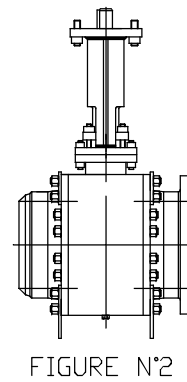
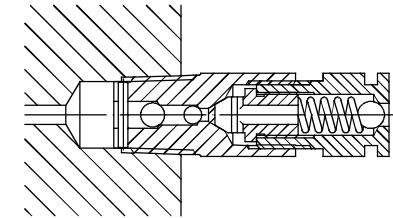


FIGURE N°2



POS. N. 38 - 39  
SEAT - STEM INJECTOR

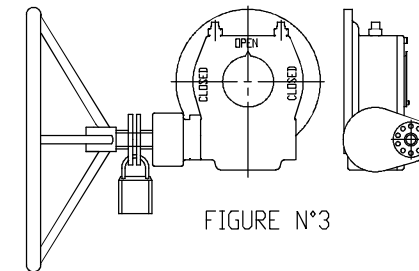
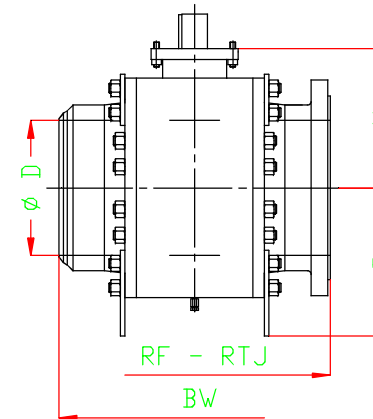


FIGURE N°3



- DIMENSIONS IN mm
- DIMENSIONS B, H ARE SUBJECT TO CHANGE WITHOUT NOTICE

DN	CLASS	RF	BW	RTJ	ø D	B	H
18"	150	864	914	876	437	480	500
20"	150	914	991	927	488	520	545
24"	150	1067	1143	1080	590	600	620
16"	300	838	838	854	386	450	450
18"	300	914	914	930	437	480	490
20"	300	991	991	1010	488	520	530
24"	300	1143	1143	1165	590	600	620
14"	600	889	889	892	336	415	425
16"	600	991	991	994	386	460	470
18"	600	1092	1092	1095	437	500	520
20"	600	1194	1194	1200	488	540	550
24"	600	1397	1397	1407	590	630	640

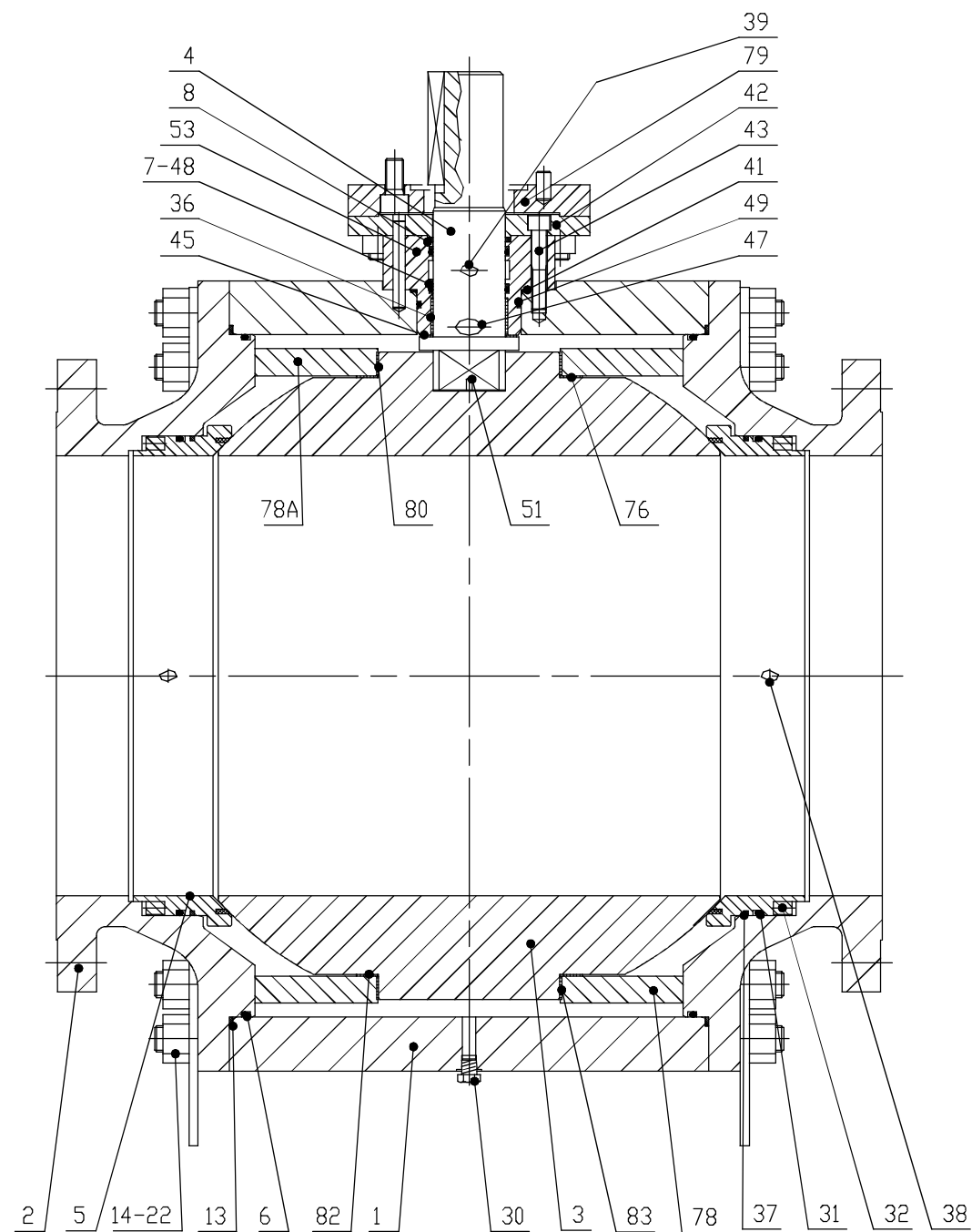
POS.	PART NAME
1	BODY
2	BODY END
3	BALL
4	STEM
5	SEAT RING
6	BODY O-RING
7	STEM O-RING
8	FIRE SAFE GASKET
13	FIRE SAFE GASKET
14	STUD BOLT
22	STUD BOLT NUTS
30	DRAIN PLUG
31	SEAT O-RING
32	SPRING
36	STEM BEARING
37	FIRE SAFE GASKET
38	SEAT INJECTOR
39	STEM INJECTOR
41	FIRE SAFE GASKET
43	CAP SCREW
45	THRUST BEARING
47	VENT PLUG
48	BACK-UP
49	BONNET O-RING
51	ANTISTATIC DEVICE
53	BONNET
76	UPPER THRUST BEARING
78	SPACER
78A	SPACER
79	SUPPORT PLATE
80	UPPER BEARING
82	LOWER THRUST BEARING
83	LOWER BEARING
• RECOMMENDED SPARE PARTS	
▲ ON REQUEST	

#### GENERAL NOTES :

- END TO END ACCORDING TO "API 6D"
- FIRE SAFE DESIGN "API 607"
- DRAWING FOR BID PURPOSE ONLY

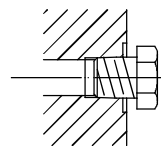
VALVES COMPLYING WITH REQUIREMENTS OF FOLLOWING CODES, STANDARDS AND SPECIFICATIONS:  
- API 6D - ASME B16.34 -  
AND DOCUMENTS THEREIN MENTIONED

REV.	0		DESCRIPTION: TRUNNION MOUNTED BALL VALVES FULL BORE - SIDE ENTRY	DRAWING N°  SBC.007
DATE	11/11/13			
DRW	-			
CKD	RS			
APPR.	RS			

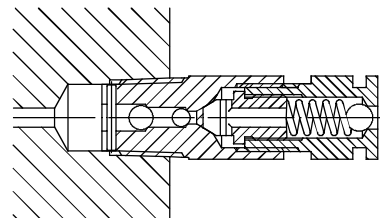


#### ACCESSORIES & FEATURES:

- ☐ FIRE SAFE DESIGN API 607
- ☐ METAL TO METAL SEAT
- ☐ DOUBLE PISTON SEAT EFFECT
- ☐ EMERGENCY SEALANT INJECTION ON STEM
- ☐ EMERGENCY SEALANT INJECTION ON SEAT
- ☐ SEAT AND STEM POCKET OVERLAY
- ☐ TRANSITION PUPS FOR WELDED ENDS VALVES
- ☐ EXTENDED STEM FOR UNDERGROUND INSTALLATION (SEE FIGURE N°1)
- ☐ EXTENDED BONNET FOR LOW OR HIGH TEMPERATURE (SEE FIGURE N°2)
- ☐ LOCKING CAPABILITY IN OPEN AND CLOSE POSITION (SEE FIGURE N°3)



POS. N. 30 - 47  
DRAIN PLUG - VENT PLUG



POS. N. 38 - 39  
SEAT - STEM INJECTOR

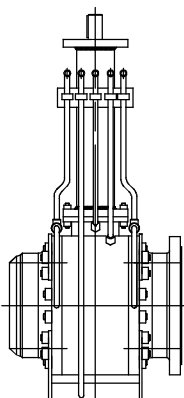


FIGURE N°2

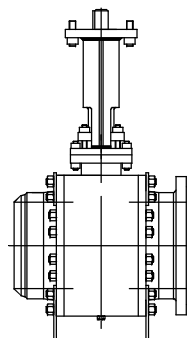


FIGURE N°2

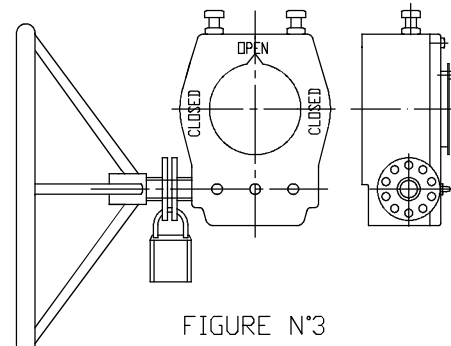
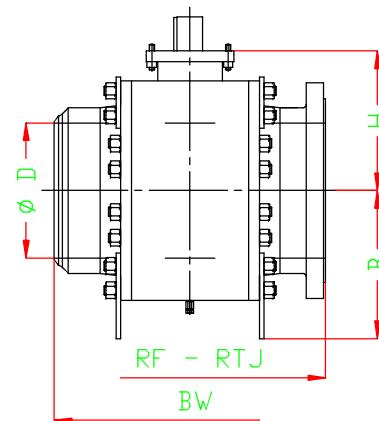


FIGURE N°3



- DIMENSIONS IN mm
- DIMENSIONS B, H ARE SUBJECT TO CHANGE WITHOUT NOTICE

DN	CLASS	RF	BW	RTJ	ø D	B	H
6"	150	394	457	406	151,5	220	250
8"	150	457	521	470	202	290	290
10"	150	533	559	546	253	335	335
12"	150	610	635	622	304	370	380
14"	150	686	762	699	336	410	425
16"	150	762	838	775	386	445	455
6"	300	403	457	419	151,5	230	250
8"	300	502	521	518	202	290	310
10"	300	568	559	584	253	335	340
12"	300	648	635	664	304	380	395
14"	300	762	762	778	336	410	430
6"	600	559	559	562	151,5	260	270
8"	600	660	660	664	202	300	320
10"	600	787	787	791	253	340	360
12"	600	838	838	841	304	400	420

POS.	PART NAME
1	BODY
2	BODY END
3	BALL
4	STEM
• 5	SEAT RING
• 6	BODY O-RING
• 7	STEM O-RING
• 9	FIRE SAFE GASKET
• 13	FIRE SAFE GASKET
14	STUD BOLT
22	STUD BOLT NUTS
30	DRAIN PLUG
• 31	SEAT O-RING
32	SPRING
36	STEM BEARING
• 37	FIRE SAFE GASKET
▲ 38	SEAT INJECTOR
▲ 39	STEM INJECTOR
• 41	FIRE SAFE GASKET
42	ADAPTER PLATE
43	CAP SCREW
45	THRUST BEARING
47	VENT PLUG
• 48	BACK-UP
• 49	BONNET O-RING
▲ 51	ANTISTATIC DEVICE
53	BONNET
76	UPPER THRUST BEARING
78	SPACER
78A	SPACER
79	SUPPORT PLATE
80	UPPER BEARING
82	LOWER THRUST BEARING
83	LOWER BEARING
• RECOMMENDED SPARE PARTS	
▲ ON REQUEST	

#### GENERAL NOTES :

- END TO END ACCORDING TO "API 6D"
- FIRE SAFE DESIGN "API 607"
- DRAWING FOR BID PURPOSE ONLY

VALVES COMPLYING WITH REQUIREMENTS OF FOLLOWING CODES, STANDARDS AND SPECIFICATIONS:  
- API 6D - ASME B16.34 -  
AND DOCUMENTS THEREIN MENTIONED

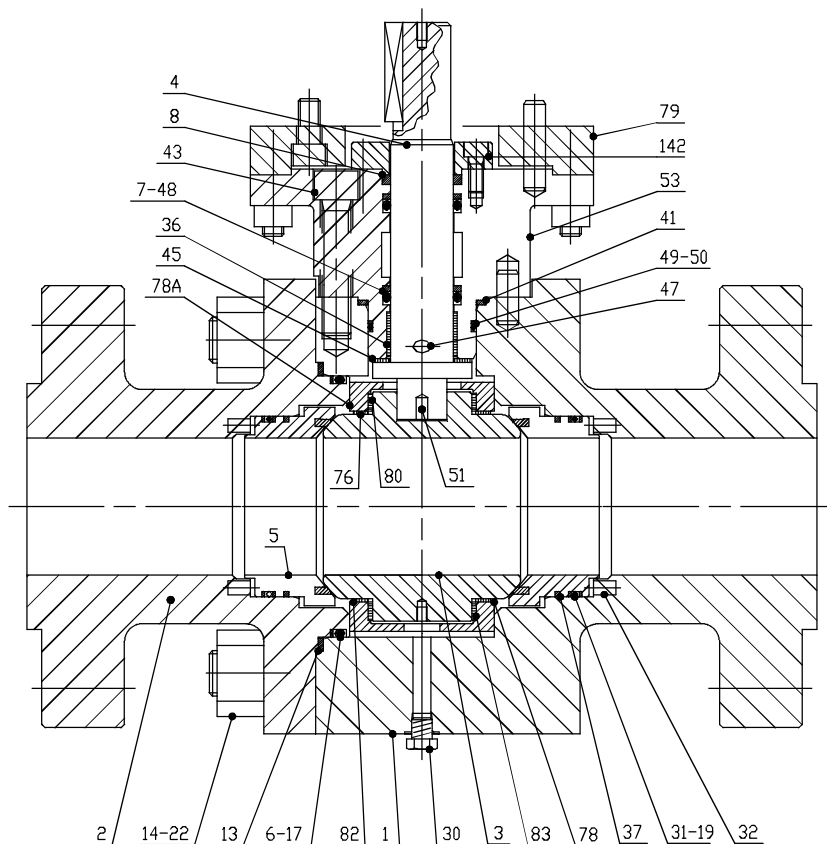
REV.	0
DATE	11/11/13
DRW	-
CKD	RS
APPR.	RS



DESCRIPTION:  
TRUNNION MOUNTED  
BALL VALVES  
FULL BORE - SIDE ENTRY

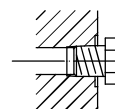
DRAWING N.°

SBC.006



#### ACCESSORIES & FEATURES:

- ☐ FIRE SAFE DESIGN API 607
- ☐ METAL TO METAL SEAT
- ☐ DOUBLE PISTON SEAT EFFECT
- ☐ SEAT AND STEM POCKET OVERLAY
- ☐ TRANSITION PUPS FOR WELDED ENDS VALVES
- ☐ EXTENDED STEM FOR UNDERGROUND INSTALLATION (SEE FIGURE N°1)
- ☐ EXTENDED BONNET FOR LOW OR HIGH TEMPERATURE (SEE FIGURE N°2)
- ☐ LOCKING CAPABILITY IN OPEN AND CLOSE POSITION (SEE FIGURE N°3)



POS. N. 30 - 47  
DRAIN PLUG - VENT PLUG

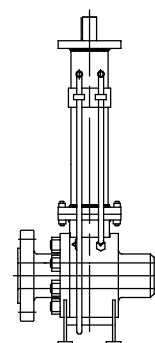


FIGURE N°1

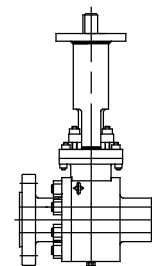


FIGURE N°2

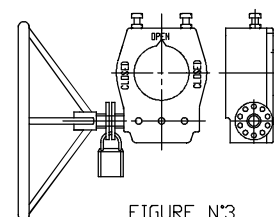
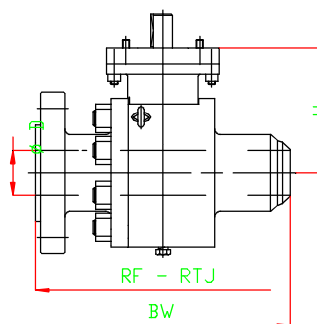


FIGURE N°3

- DIMENSIONS IN mm
- DIMENSION H ARE SUBJECT TO CHANGE WITHOUT NOTICE


DN	CLASS	RF	BW	RTJ	ø D	H
4"	600	432	432	435	101	223
3"	900	381	381	384	75	210
4"	900	457	457	460	101	245
2"	1500	368	368	371	50	187
3"	1500	470	470	473	75	218
4"	1500	546	546	549	101	257

POS.	PART NAME
1	BODY
2	BODY END
3	BALL
4	STEM
• 5	SEAT RING
• 6	BODY O-RING
• 7	STEM O-RING
• 8	FIRE SAFE GASKET
• 13	FIRE SAFE GASKET
14	STUD BOLT
* 17	BACK-UP
* 19	BACK-UP
22	STUD BOLT NUTS
30	DRAIN PLUG
• 31	SEAT O-RING
32	SPRING
36	STEM BEARING
• 37	FIRE SAFE GASKET
• 41	FIRE SAFE GASKET
43	CAP SCREW
45	THRUST BEARING
47	VENT PLUG
• 48	BACK-UP
• 49	BONNET O-RING
* 50	BACK-UP
▲ 51	ANTISTATIC DEVICE
53	BONNET
76	UPPER THRUST BEARING
78	SPACER
78A	SPACER
79	SUPPORT PLATE
80	UPPER BEARING
82	LOWER THRUST BEARING
83	LOWER BEARING
142	GLANDE FLANGE
• RECOMMENDED SPARE PARTS	
▲ ON REQUEST	
* ONLY CLASS 900 & LARGER	

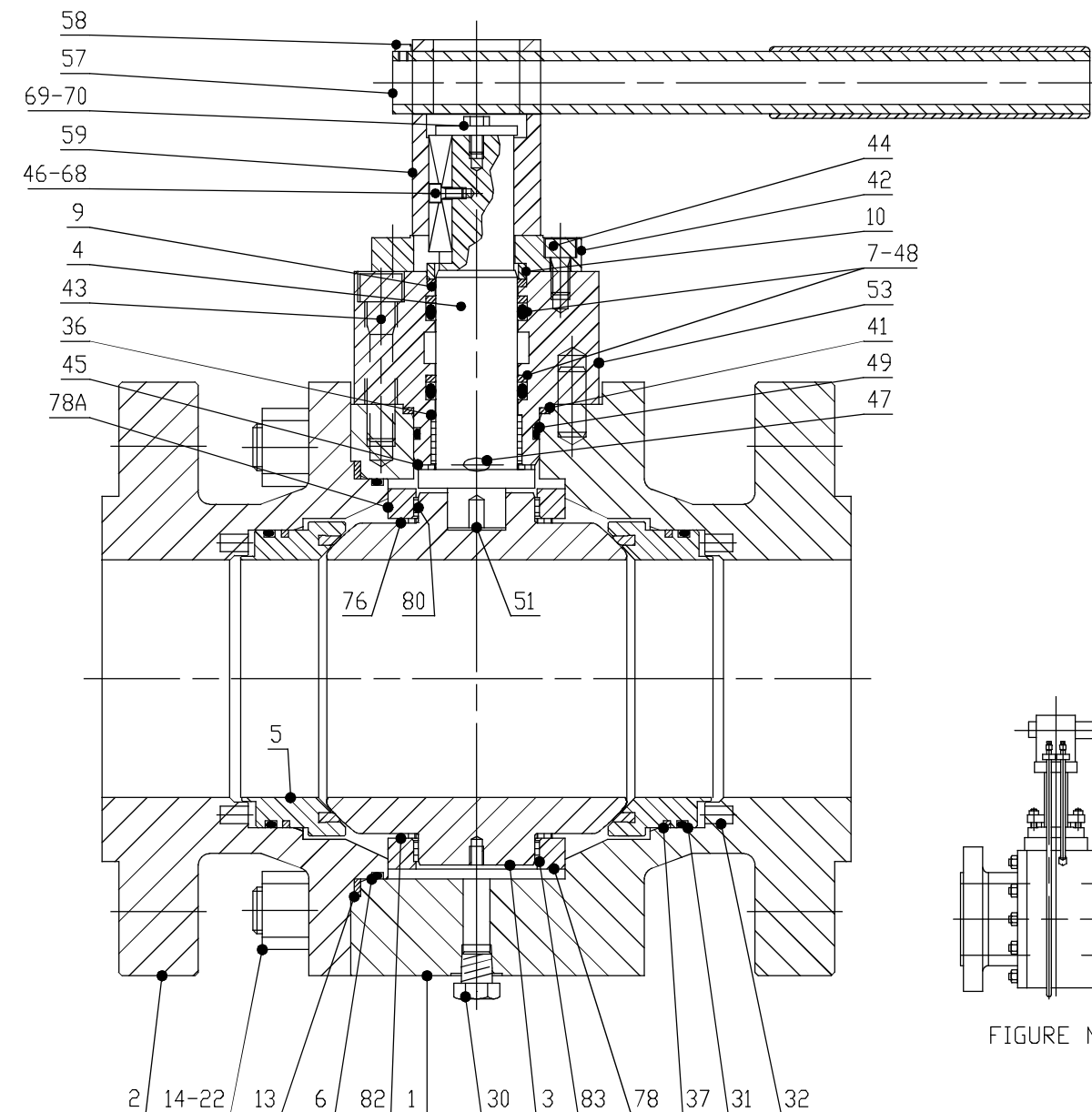
#### GENERAL NOTES :

- END TO END ACCORDING TO 'API 6D'
- FIRE SAFE DESIGN 'API 607'
- DRAWING FOR BID PURPOSE ONLY

VALVES COMPLYING WITH REQUIREMENTS OF FOLLOWING CODES, STANDARDS AND SPECIFICATIONS:  
- API 6D - ASME B16.34 -  
AND DOCUMENTS THEREIN MENTIONED

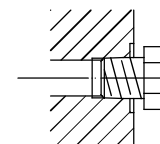
REV.	0		DESCRIPTION: TRUNNION MOUNTED BALL VALVES FULL BORE - SIDE ENTRY	DRAWING N°  SBC.004
DATE				
DRW	-			
CKD	RS			
APPR.	ES			





# ACCESSORIES & FEATURES:

- ☐ FIRE SAFE DESIGN API 607
- ☐ METAL TO METAL SEAT
- ☐ DOUBLE PISTON SEAT EFFECT
- ☐ SEAT AND STEM POCKET OVERLAY
- ☐ TRANSITION PUPS FOR WELDED ENDS VALVES
- ☐ EXTENDED STEM FOR UNDERGROUND INSTALLATION (SEE FIGURE N°1)
- ☐ EXTENDED BONNET FOR LOW OR HIGH TEMPERATURE (SEE FIGURE N°2)
- ☐ LOCKING CAPABILITY IN OPEN AND CLOSE POSITION (SEE FIGURE N°3)



POS. N. 30 - 47  
DRAIN PLUG - VENT PLUG

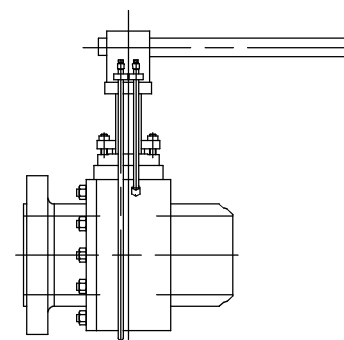


FIGURE N°1

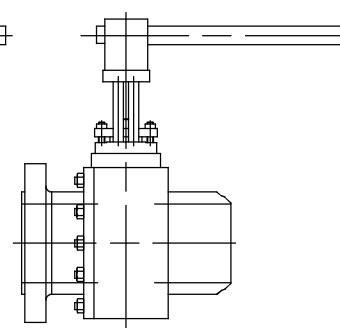


FIGURE N°2

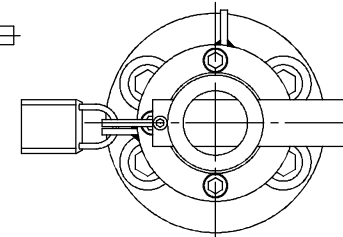
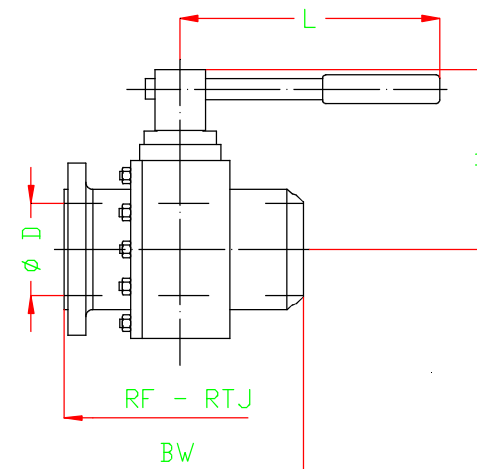


FIGURE N°3



- DIMENSIONS IN mm
- DIMENSIONS H, L ARE SUBJECT TO CHANGE WITHOUT NOTICE

DN	CLASS	RF	BW	RTJ	ø D	H	L
2"	150	178	216	191	50	180	350
3"	150	203	203	216	75	220	400
4"	150	229	305	241	101	260	550
2"	300	216	216	232	50	180	350
3"	300	283	283	298	75	220	600
4"	300	305	305	321	101	270	750
2"	600	292	292	295	50	200	600
3"	600	356	356	359	75	250	750

POS.	PART NAME
1	BODY
2	BODY END
3	BALL
4	STEM
5	SEAT RING
6	BODY O-RING
7	STEM O-RING
8	FIRE SAFE GASKET
10	GLAND
13	FIRE SAFE GASKET
14	STUD BOLT
22	STUD BOLT NUTS
30	DRAIN PLUG
31	SEAT O-RING
32	SPRING
36	STEM BEARING
37	FIRE SAFE GASKET
41	FIRE SAFE GASKET
42	ADAPTER PLATE
43	CAP SCREW
45	THRUST BEARING
47	VENT PLUG
48	BACK-UP
49	BONNET O-RING
51	ANTISTATIC DEVICE
53	BONNET
57	CONTROL LEVER
59	SUPPORT LEVER
76	UPPER THRUST BEARING
78	SPACER
78A	SPACER
80	UPPER BEARING
82	LOWER THRUST BEARING
83	LOWER BEARING
• RECOMMENDED SPARE PARTS	
▲ ON REQUEST	

## GENERAL NOTES :

- END TO END ACCORDING TO "API 6D"
- FIRE SAFE DESIGN "API 607"
- DRAWING FOR BID PURPOSE ONLY

VALVES COMPLYING WITH REQUIREMENTS OF FOLLOWING CODES, STANDARDS AND SPECIFICATIONS:  
- API 6D - ASME B16.34 -  
AND DOCUMENTS THEREIN MENTIONED

REV.	0
DATE	11-11-2013
DRW	-
CKD	RS
APPR.	RS



DESCRIPTION:  
TRUNNION MOUNTED  
BALL VALVES  
FULL BORE - SIDE ENTRY

DRAWING N.°

SBC.003