

## GUIDED BALL

GENERAL FEATURES	
• Split body	• Anti blow out stem
• Full bore	• Auto adjustable packing
• Soft seat/ metal seated	• Self cavity pressure relief
• Bidirectional	• Fire safe
• Antistatic stem	• Low emission design
STANDARDS	
• Top flange ISO 5211	
• Flanges EN 1092-01	
• Face to face EN 558 Series 1, 14 and 15 (former F5)	
• Testing EN 12266, ISO 5208	
• Design EN 12516, ISO 17292	
• Fire safe API 607, ISO 10497	
• Material according NACE MR 0175	
APPROVALS	
• PED 2014/68/EU	• TÜV AD- 2000 Merkblatt
• Fire Safe	• SIL 3 CAPABLE (IEC 61508)
• TA-LUFT	• EN 161/53553
• ISO 15484-1	• DVGW - EN 13774
• ATEX (2014/34/EU)W	



DN 50 - 300 | PN 10 - 40

2" - 12" | Class 150 - 300

### 3 PIECE FORGED

GENERAL FEATURES	
• Floating ball	• Anti blow out steam
• Full and reduced bore	• Auto adjustable packing
• Soft seat/ metal seated	• Self cavity pressure relief
• Bidirectional	• Fire safe
• Antistatic stem	• In line packing maintenance
STANDARDS	
• Top flange ISO 5211	
• Testing ISO 5208, API 598, API 6D* (not design)	
• Design ANSI B16.34.	
• Material according NACE MR 0175	
• Design EN 12516, ISO 17292	
• Fire safe API 607, ISO 10497	
APPROVALS	
• PED 2014/68/EU	
• Fire Safe	
• ATEX (2014/34/EU)W	
• SIL 3 CAPABLE (IEC 61508)	
• EN 161/EN 1667	



1/4" - 1"	Class 2500
1/4" - 2"	Class 900 - 1500
1/4" - 1 1/2"	Class 800
2" - 2 1/2"	Class 600
3" - 4"	Class 400

### FULL TRUNNION 3 PIECE SPLIT BODY

GENERAL FEATURES	
• Full bore / Reduced bore	• Auto adjustable packing
• Soft seat / metal seat	• Double block and bleed
• Self cavity pressure relief	• Antistatic stem
• Split body	• Spring loaded seat system
• Bidirectional	• Low emission design
• Fire safe	• In line packing maintenance
• Anti blow out steam	
STANDARDS	
• Top flange ISO 5211	
• Face to face ANSI 16.10	
• Testing ISO 5208, API 598	
• Material according NACE MR 0175	
• Design ANSI B16.34, ISO 17292, API 6D	
• Fire safe API 607, ISO 10497	
• Flanges ANSI 16.5	
APPROVALS	
• PED 97/23/CE	• ATEX (94/9/CE)
• Fire Safe	• API 6D
• TA-luft	• SIL3 capable (IEC 61508)
• ISO 158484	• DVGW



DN 15 - 300	PN 400
DN 15 - 400	PN 250
DN 15 - 500	PN 160
DN 15 - 600	PN 10 - 100

1/2" - 12"	Class 2500
1/2" - 16"	Class 1500
1/2" - 20"	Class 900
1/2" - 24"	Class 150-600

## CRYOGENIC

GENERAL FEATURES	
• Floating / guided ball /Trunnion	• Anti blow out stem
• Full bore /reduced bore	• Auto adjustable packing
• Soft seat / metal seated	• Self cavity pressure relief
• Spring loaded seat system	• Fire safe
• Antistatic stem	• Service temp. to -196°C
STANDARDS	
• Top flange ISO 5211	
• Flanges EN 1092-01	
• Face to face - EN 558 series 1, 14, 15 (Former F1, F4, F5)	
• Testing EN 12266, ISO 5208	
• Design EN 12516, ISO 17292	
• Fire safe API 607, ISO 10497	
APPROVALS	
• PED 2014/68/EU	• TA-luft
• Fire Safe	• ISO 15848
• BS 6364	• SIL3 capable (IEC 61508)
• ATEX (2014/34/EU)	



FLOATING BALL	
DN 15 - 50	PN 63 - 100
DN 15 - 125	PN 40
DN 15 - 200	PN 10 - 16
FULL TRUNNION	
DN 15 - 300	PN 400
DN 15 - 400	PN 320
DN 15 - 600	PN 160

FLOATING BALL	
1/2" - 2"	Class 600
1/2" - 4"	Class 300
1/2" - 8"	Class 150
FULL TRUNNION	
1/2" - 24"	Class 150 - 600
1/2" - 20"	Class 900
1/2" - 16"	Class 1500
1/2" - 12"	Class 2500