

G Series Trunnion Mounted Ball Valves — Body Dimensions

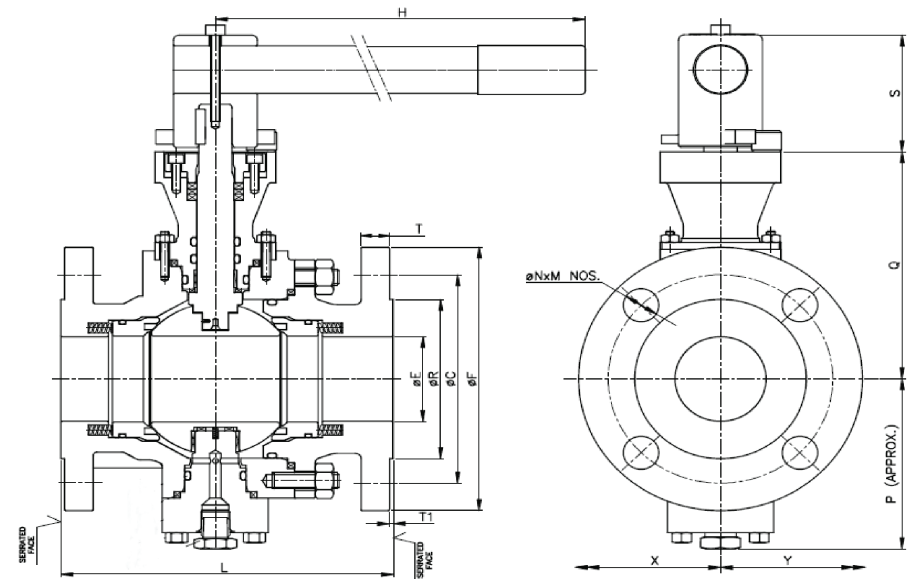


Size NPS 2, 3, 4 FB, Class 150 & 300

Dimensions

SIZE	NPS 2	NPS 2	NPS 3	NPS 3	NPS 4	NPS 4
Class	150	300	150	300	150	300
øE	49 (1.93)	49 (1.93)	74 (2.91)	74 (2.91)	100 (3.94)	100 (3.94)
øR	92.1 (3.63)	92.1 (3.93)	127 (5)	127 (5)	157.2 (6.19)	157.2 (6.19)
øC	120.7 (4.75)	127 (5)	152.4 (6)	168.3 (6.63)	190.5 (7.5)	200 (7.87)
øF	150 (5.9)	165 (6.5)	190 (7.48)	210 (8.27)	230 (9.06)	255 (10.04)
øN	19.05 (0.75)	19.05 (0.75)	19.05 (0.75)	22.22 (0.87)	19.05 (0.75)	22.22 (0.87)
M	04 (0.16)	08 (0.31)	04 (0.16)	08 (0.31)	08 (0.31)	08 (0.31)
T1	2 (0.08)	2 (0.08)	2 (0.08)	2 (0.08)	2 (0.08)	2 (0.08)
T	14.3 + 3 (0.56 + 0.12)	20.7 + 3 (0.80 + 0.12)	17.5 + 3 (0.69 + 0.12)	27 + 3 (1.06 + 0.12)	22.3 + 3 (0.88 + 0.12)	30.2 + 3 (1.19 + 0.12)
L	178 ± 1.5 (7.01 ± 0.06)	216 ± 1.5 (8.5 ± 0.06)	203 ± 1.5 (7.88 ± 0.06)	283 ± 1.5 (11.14 ± 0.06)	229 ± 1.5 (9.02 ± 0.06)	305 ± 1.5 (12.01 ± 0.06)
H	180 (7.09)	310 (12.2)	460 (18.11)	550 (21.64)	730 (28.74)	980 (38.58)
P (APPROX.)	100 (3.94)	100 (3.94)	120 (4.72)	120 (4.72)	145 (5.71)	145 (5.71)
Q	132 (5.20)	134 (5.28)	168 (6.61)	166 (6.54)	180 (7.09)	182 (7.17)
S	68 (2.68)	67 (2.64)	75 (2.95)	73 (2.87)	74 (2.91)	73 (2.87)
Weight Approx. in Kg (lb oz)	15 (33 lb 1 oz)	20 (44lb 1.5 oz)	20 (44 lb 1.5 oz)	45 (99 lb 3 oz)	45 (99 lb 3 oz)	65 (143 lb 5 oz)
X*	77 (3.03)	83 (3.27)	100 (3.94)	105 (4.13)	115 (4.53)	128 (5.04)
Y*	77 (3.03)	83 (3.27)	100 (3.94)	105 (4.13)	115 (4.53)	128 (5.04)

*REFER TO NOTE 2



Notes:

1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).

Size NPS 2 FB, Class 600, 900 & 1500

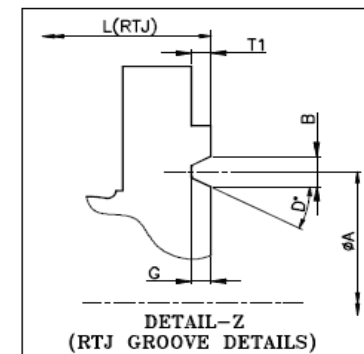
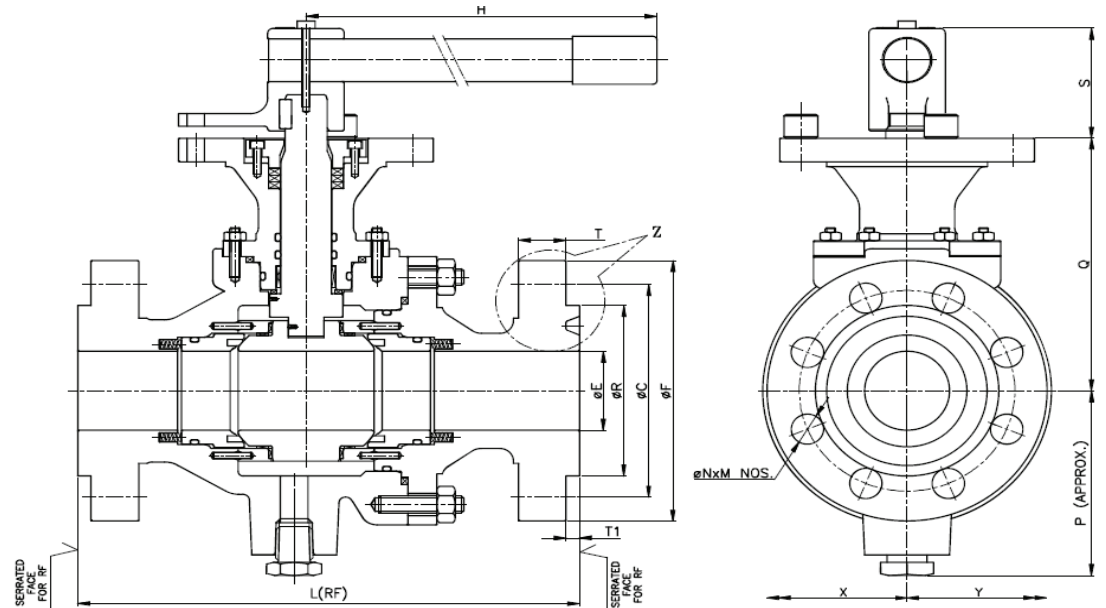
Dimensions

SIZE	NPS 2	NPS 2	NPS 2	
Class	600	900	1500	
øE	49 (1.93)	49 (1.93)	49 (1.93)	
øR	RF	92.1 (3.63)	92.1 (3.63)	92.1 (3.63)
	RTJ	108 (4.25)	124 (4.92)	124 (4.92)
øC	127 (5)	165.1 (6.55)	165.1 (6.55)	
øF	165 (6.5)	215 (8.53)	215 (8.53)	
øN	19.05 (0.75)	25.4 (1.01)	25.4 (1.01)	
M	08 (0.32)	08 (0.32)	08 (0.32)	
T1	RF	7 (0.28)	7 (0.28)	7 (0.28)
	RTJ	7.92 (0.31)	7.92 (0.31)	7.92 (0.31)
T	25.4 + 3 (1 + 0.12)	38.1 + 3 (1.51 + 0.12)	38.1 + 3 (1.51 + 0.12)	
L	RF	292 ± 1.5 (11.5 ± 0.06)	368 ± 1.5 (14.60 ± 0.06)	368 ± 1.5 (14.60 ± 0.06)
	RTJ	295 ± 1.5 (11.61 ± 0.06)	371 ± 1.5 (14.72 ± 0.06)	371 ± 1.5 (14.72 ± 0.06)
H	375 (14.76)	825 (32.73)	825 (32.73)	
P (APPROX.)	115 (4.53)	120 (4.76)	120 (4.76)	
Q	160 (6.30)	187 (7.36)	187 (7.36)	
S	70 (2.76)	76 (3.01)	76 (3.01)	
øA	82.55 (3.25)	92.25 (3.66)	92.25 (3.66)	
B	11.91 (0.47)	11.91 (0.47)	11.91 (0.47)	
G	7.92 (0.31)	7.92 (0.31)	7.92 (0.31)	
D	23°	23°	23°	
Groove No.	R23	R24	R24	
Weight Approx. in Kg (lb oz)	35 (77 lb 2.6 oz)	60 (132 lb 4 oz)	60 (132 lb 4 oz)	
X*	85 (3.35)	108 (4.25)	108 (9.37)	
Y*	85 (3.35)	108 (4.25)	108 (9.37)	

* REFER TO NOTE 2

Notes:

1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).



Size NPS 3 FB, Class 600, 900

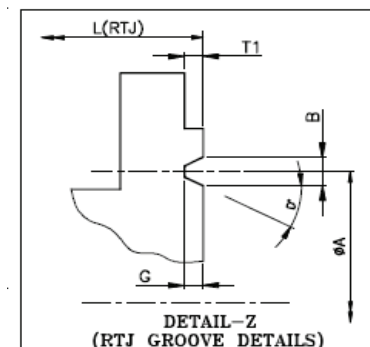
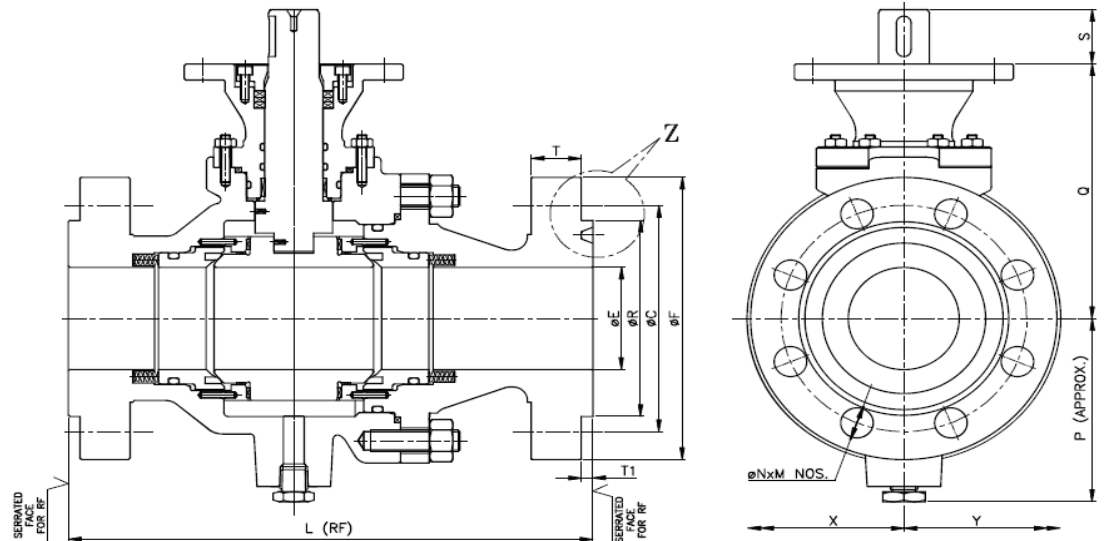
Dimensions

SIZE	NPS 3	NPS 3
Class	600	900
øE	74 (2.91)	74 (2.91)
øR	RF	127 (5)
	RTJ	146 (5.75)
øC	168.3 (6.63)	190.5 (7.48)
øF	210 (8.27)	240 (9.45)
øN	22.22 (0.87)	25.4 (1)
M	08 (0.31)	08 (0.31)
T1	RF	7 (0.28)
	RTJ	7.92 (0.31)
T	31.8 + 3 (1.25 + 0.12)	31.8 + 3 (1.25 + 0.12)
L	RF	356 ± 1.5 (14.02 ± 0.06)
	RTJ	359 ± 1.5 (14.13 ± 0.06)
P (APPROX.)	135 (5.31)	135 (5.31)
Q	190 (7.48)	190 (7.48)
S	40 (1.57)	40 (1.57)
øA	123.83 (4.88)	123.83 (4.88)
B	11.91 (0.47)	11.91 (0.47)
G	7.92 (0.31)	7.92 (0.31)
D	23°	23°
Groove No.	R31	R31
Weight Approx.in Kg (lb oz)	56 (123 lb 7oz)	71 (156 lb 8 oz)
X*	108 (4.25)	120 (4.72)
Y*	108 (4.25)	120 (4.72)

*REFER TO NOTE 2

Notes:

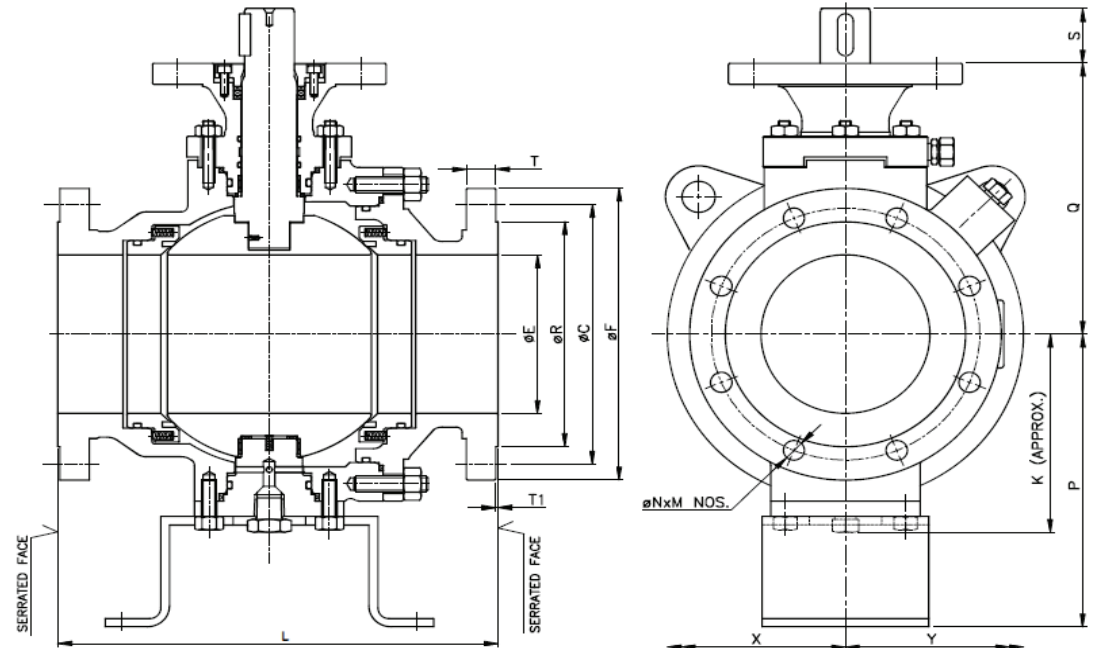
1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).



Size NPS 6 FB, Class 150 & 300 Dimensions

SIZE	NPS 6	NPS 6
Class	150	300
øE	150 (5.94)	150 (5.94)
øR	215.9 (8.5)	215.9 (8.5)
øC	241.3 (9.5)	269.9 (10.63)
øF	280 (11.04)	320 (12.6)
øN	22.22 (0.87)	22.22 (0.+87)
M	08 (0.31)	12 (0.47)
T1	2 (0.08)	2 (0.08)
T	23.9 + 3 (0.94 + 0.12)	35 + 3 (1.38 + 0.12)
L	394 ± 1.5 (15.51 ± 0.06)	403 ± 1.5 (15.87 ± 0.06)
P	275 (10.83)	275 (10.83)
Q	260 (10.24)	260 (10.24)
S	53 (2.09)	53 (2.09)
Weight Approx. in Kg (lb oz)	130 (286 lb 9.6 oz)	132 (291 lb 0.2 oz)
K (Approx.)	185 (7.28)	185 (7.28)
X*	190 (7.48)	211 (8.31)
Y*	190 (7.48)	211 (8.31)

* REFER TO NOTE 2



Notes:

1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).

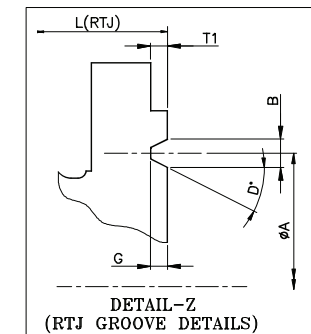
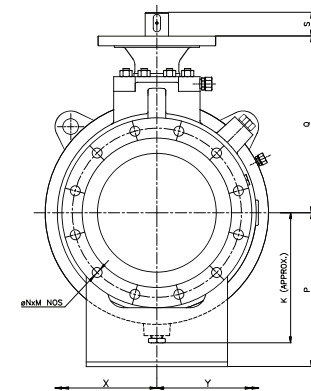
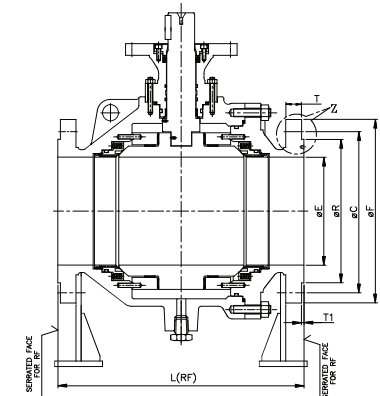
Size NPS 6 FB, Class 600, 900, 1500, NPS 8 – NPS 10 FB, Class 150, 300, 600 Dimensions

SIZE	NPS 6	NPS 6	NPS 6	NPS 8	NPS 8	NPS 8	NPS 10	NPS 10	NPS 10
Class	600	900	1500	150	300	600	150	300	600
øE	150 (5.95)	150 (5.91)	144 (5.67)	201 (7.97)	201 (7.97)	201 (7.97)	252 (9.92)	252 (9.92)	252 (9.92)
øR	RF	215.9 (8.56)	215.9 (8.5)	215.9 (8.5)	269.9 (10.71)	269.9 (10.71)	269.9 (10.71)	323.8 (12.75)	323.8 (12.75)
	RTJ	241 (9.56)	241 (9.49)	248 (9.76)	273 (10.83)	302 (11.89)	302 (11.89)	330 (12.99)	356 (14.02)
øC	292.1 (11.59)	317.5 (12.5)	317.5 (12.5)	298.5 (11.84)	330.2 (13.10)	349.2 (13.75)	362 (14.25)	387.4 (15.25)	431.8 (17)
øF	355 (14.08)	380 (14.96)	395 (15.55)	345 (13.69)	380 (15.07)	420 (16.54)	405 (15.94)	445 (14.52)	510 (20.08)
øN	28.58 (1.13)	31.75 (1.25)	38.1 (1.5)	22.22 (0.88)	25.4 (1.01)	31.75 (1.25)	25.4 (1)	28.58 (1.13)	34.92 (1.37)
M	12 (0.48)	12 (0.48)	12 (0.48)	08 (0.32)	12 (0.48)	12 (0.48)	12 (0.48)	16 (0.63)	16 (0.63)
T1	RF	7 (0.28)	7 (0.28)	7 (0.28)	2 (0.08)	2 (0.08)	7 (0.28)	2 (0.08)	7 (0.28)
	RTJ	7.92 (0.31)	7.92 (0.31)	9.53 (0.38)	6.35 (0.25)	7.92 (0.31)	7.92 (0.31)	6.35 (0.25)	7.92 (0.31)
T	47.7 + 3 (1.89 + 0.12)	55.6 + 3 (2.19 + 0.12)	82.6 + 3 (3.25 + 0.12)	27 + 3 (1.07 + 0.12)	39.7 + 3 (1.57 + 0.12)	55.6 + 3 (2.19 + 0.12)	28.6 + 3 (1.13 + 0.12)	46.1 + 3 (1.81 + 0.12)	63.5 + 3 (2.5 + 0.12)
L	RF	559 ± 1.5 (22.29 ± 0.06)	610 ± 1.5 (24.02 ± 0.06)	705 ± 1.5 (27.76 ± 0.06)	457 ± 1.5 (18.13 ± 0.06)	502 ± 1.5 (19.91 ± 0.06)	660 ± 1.5 (25.98 ± 0.06)	533 ± 1.5 (20.98 ± 0.06)	568 ± 1.5 (22.36 ± 0.06)
	RTJ	562 ± 1.5 (22.29 ± 0.06)	613 ± 1.5 (24.13 ± 0.06)	711 ± 1.5 (27.99 ± 0.06)	470 ± 1.5 (18.64 ± 0.06)	518 ± 1.5 (20.55 ± 0.06)	664 ± 1.5 (26.14 ± 0.06)	546 ± 1.5 (21.50 ± 0.06)	584 ± 1.5 (22.99 ± 0.06)
P	284 (11.27)	287 (11.3)	275 (10.83)	292 (11.58)	300 (11.9)	340 (13.39)	341 (13.43)	342 (13.46)	350 (13.78)
Q	290 (11.42)	307.5 (12.11)	340 (13.39)	315 (12.40)	319 (12.56)	319 (12.56)	357 (14.06)	357 (14.06)	357 (14.06)
S	53 (2.09)	62.5 (2.46)	71 (2.8)	58 (2.28)	62 (2.44)	62 (2.44)	62 (2.44)	67 (2.64)	72 (2.83)
øA	211.12 (8.38)	211.12 (8.31)	211.14 (8.31)	247.65 (9.82)	269.88 (10.71)	269.88 (10.63)	304.88 (12)	323.85 (12.75)	323.85 (12.75)
B	11.91 (0.47)	11.91 (0.47)	13.49 (0.53)	8.74 (0.35)	11.91 (0.47)	11.91 (0.47)	8.74 (0.34)	11.91 (0.47)	11.91 (0.47)
G	7.92 (0.31)	7.92 (0.31)	9.53 (0.38)	6.35 (0.25)	7.92 (0.31)	7.92 (0.31)	6.35 (0.25)	7.92 (0.31)	7.92 (0.31)
D	23°	23°	23°	23°	23°	23°	23°	23°	23°
Groove No.	R45	R45	R46	R48	R49	R49	R52	R53	R53
Weight Approx.in Kg (lb oz)	192 (423 lb 5 oz)	340 (749 lb 9 oz)	480 (1058 lb 4 oz)	230 (507 lb 1 oz)	280 (617 lb 5 oz)	375 (826 lb 12 oz)	360 (793 lb 11 oz)	425 (936 lb 15 oz)	605 (1333 lb 13 oz)
K (Approx.)	195 (7.68)	205 (8.07)	210 (8.27)	235 (9.25)	237 (9.33)	237 (9.33)	380 (14.96)	282 (11.10)	282 (11.10)
X*	225 (8.86)	212 (8.35)	252 (9.92)	227 (8.94)	240 (9.45)	233 (9.17)	264 (10.39)	241 (9.45)	255 (10.04)
Y*	225 (8.86)	212 (8.35)	252 (9.92)	233 (9.17)	240 (9.45)	236 (9.17)	264 (10.39)	258 (10.16)	262 (10.32)

* REFER TO NOTE 2

Notes:

1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).



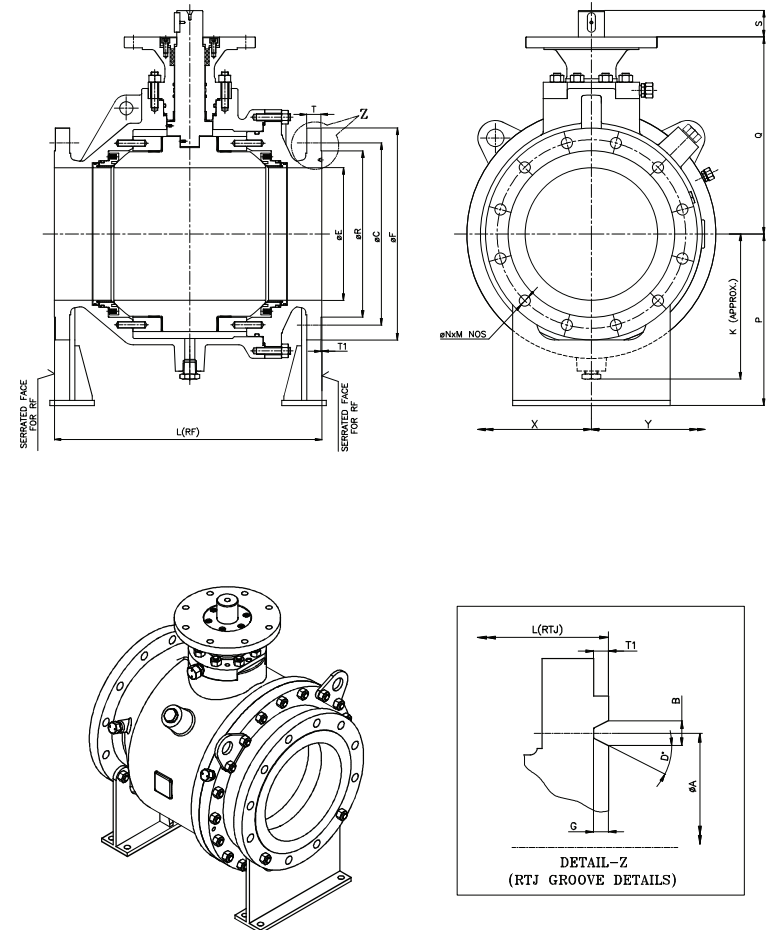
Size NPS 8 to NPS 10, Class 900, 1500, NPS 12 – NPS 24 FB, Class 150, 300, 600, 900, 1500 Dimensions

SIZE	NPS 8	NPS 8	NPS 10	NPS 10	NPS 12	NPS 12	NPS 12
Class	900	1500	900	1500	150	300	600
øE	201 (7.91)	192 (7.56)	252 (9.92)	239 (9.41)	303 (11.93)	303 (11.93)	303 (11.93)
øR	RF	269.9 (10.63)	269.9 (10.63)	323.8 (12.75)	323.8 (12.75)	381 (15)	381 (15)
	RTJ	308 (12.13)	318 (12.52)	362 (14.25)	371 (14.61)	-	413 (16.26)
øC	393.7 (15.5)	393.7 (15.5)	469.9 (18.5)	482.6 (19)	431.8 (17)	450.8 (17.75)	489 (19.25)
øF	470 (18.5)	485 (19.09)	545 (21.46)	585 (23.03)	485 (19.09)	520 (20.47)	560 (22.05)
øN	38.1 (1.5)	44.45 (1.75)	38.1 (1.5)	50.8 (2)	25.4 (1)	31.75 (1.25)	34.92 (1.37)
M	12 (0.47)	12 (0.47)	16 (0.63)	12 (0.47)	12 (0.47)	16 (0.63)	20 (0.79)
T1	RF	7 (0.28)	7 (0.28)	7 (0.28)	7 (0.28)	2 (0.08)	7 (0.28)
	RTJ	7.92 (0.31)	11.13	7.92 (0.31)	11.13 (0.44)	-	7.92 (0.31)
T	63.5 + 3 (2.5 + 0.12)	92.1 + 3 (3.63 + 0.12)	69.9 + 3 (2.75 + 0.12)	108 + 3 (4.25 + 0.12)	30.2 + 3 (1.19 + 0.12)	49.3 + 3 (1.94 + 0.12)	66.7 + 3 (2.63 + 0.12)
L	RF	737 ± 1.5 (29.02 ± 0.06)	832 ± 1.5 (32.76 ± 0.06)	838 ± 1.5 (32.99 ± 0.06)	991 ± 1.5 (39.02 ± 0.06)	610 ± 3 (24.02 ± 0.12)	838 ± 3 (32.99 ± 0.12)
	RTJ	740 ± 1.5 (29.13 ± 0.06)	841 ± 1.5 (33.11 ± 0.06)	841 ± 1.5 (33.11 ± 0.06)	1000 ± 1.5 (39.37 ± 0.06)	-	841 ± 3 (33.11 ± 0.12)
P	310 (12.2)	340 (13.39)	380 (14.86)	390 (15.35)	393 (15.47)	386 (15.2)	393 (15.47)
Q	357 (14.06)	420 (16.54)	395 (15.55)	480 (18.9)	452 (17.8)	454 (17.87)	458 (18.03)
S	77.5 (3.05)	84.5 (3.33)	76 (2.99)	91.5 (3.6)	60 (2.36)	70 (2.76)	75 (2.95)
øA	269.88 (10.63)	269.88 (10.63)	323.85 (12.75)	323.85 (12.75)	-	-	381 (15)
B	11.91 (0.47)	16.66 (0.66)	11.91 (0.47)	16.66 (0.66)	-	-	11.91 (0.47)
G	7.92 (0.31)	11.13 (0.44)	7.92 (0.31)	11.13 (0.44)	-	-	7.92 (0.31)
D	23°	23°	23°	23°	-	-	23°
Groove No.	R49	R50	R53	R54	-	-	R57
Weight Approx. in Kg (lb oz)	605 (1333 lb 13 oz)	980 (2160 lb 8 oz)	850 (1873 lb 15 oz)	1450 (3916 lb 11 oz)	600 (1322 lb 12 oz)	708 (1560 lb 14 oz)	975 (2149 lb 8 oz)
K (Approx.)	245 (9.65)	260 (10.24)	300 (11.81)	310 (12.2)	325 (12.8)	325 (12.8)	325 (12.8)
X*	290 (11.42)	335 (13.19)	325 (12.8)	365 (14.37)	288 (11.34)	294 (11.57)	321 (12.64)
Y*	290 (11.42)	335 (13.19)	325 (12.8)	365 (14.37)	288 (11.34)	294 (11.57)	321 (12.64)

* REFER TO NOTE 2

Notes:

1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).



Size NPS 8 to NPS 10, Class 900, 1500, NPS 12 – NPS 24 FB, Class 150, 300, 600, 900, 1500 Dimensions

SIZE	NPS 12	NPS 12	NPS 14	NPS 14	NPS 14	NPS 14	NPS 14	NPS 14	NPS 16	NPS 16	NPS 16	NPS 16	NPS 16
Class	900	1500	150	300	600	900	1500	150	300	600	900	1500	
øE	303 (11.93)	287 (11.30)	334 (13.15)	334 (13.15)	334 (13.15)	322 (12.68)	315 (12.40)	385 (18.5)	385 (18.5)	385 (15.16)	373 (14.69)	360 (14.17)	
øR	RF	381 (15)	381 (15)	412.8 (16.25)	412.8 (16.25)	412.8 (16.25)	412.8 (16.25)	469.9 (20)	469.9 (20)	469.9 (18.5)	469.9 (18.5)	469.9 (18.5)	
	RTJ	419 (16.50)	438 (17.24)	-	-	457 (17.99)	467 (18.39)	489 (19.25)	-	-	508 (20)	524 (20.63)	546 (21.50)
øC	533.4 (21)	571.5 (22.50)	476.3 (18.75)	514.4 (20.25)	527 (20.75)	558.8 (22)	635 (25)	539.8 (21.25)	571.5 (22.50)	603.2 (23.97)	616 (24.25)	704.8 (27.75)	
øF	610 (24.02)	675 (26.57)	535 (21.06)	585 (23.03)	605 (23.82)	640 (25.20)	750 (29.53)	595 (23.43)	650 (25.59)	685 (26.97)	705 (27.76)	825 (32.48)	
øN	38.1 (1.50)	53.98 (2.13)	28.58 (1.13)	31.75 (1.25)	38.1 (1.5)	41.28 (1.63)	60.33 (2.38)	28.58 (1.13)	34.92 (1.37)	41.27 (1.62)	44.45 (1.75)	66.68 (2.63)	
M	20 (0.79)	16 (0.63)	12 (0.47)	20 (0.79)	20 (0.79)	20 (0.79)	16 (0.63)	16 (0.63)	20 (0.79)	20 (0.79)	20 (0.79)	16 (0.63)	
T1	RF	7 (0.28)	7 (0.28)	2 (0.08)	2 (0.08)	7 (0.28)	7 (0.28)	2 (0.08)	2 (0.08)	7 (0.28)	7 (0.28)	7 (0.28)	
	RTJ	7.92 (0.31)	14.27 (0.56)	-	-	7.92 (0.31)	11.13 (0.44)	15.88 (0.63)	-	-	7.92 (0.31)	11.13 (0.44)	17.48 (0.69)
T	79.4 + 3 (3.13 + 0.12)	123.9 + 3 (4.88 + 0.12)	33.4 + 3 (1.31 + 0.12)	52.4 + 3 (2.06 + 0.12)	69.9 + 3 (2.75 + 0.12)	85.8 + 3 (3.38 + 0.12)	133.4 + 3 (5.25 + 0.12)	35 + 3 (1.38 + 0.12)	55.6 + 3 (2.19 + 0.12)	76.2 + 3 (3 + 0.12)	88.9 + 3 (3.5 + 0.12)	146.1 + 3 (5.75 + 0.12)	
L	RF	965 ± 3 (37.99 ± 0.12)	1130 ± 3 (44.49 ± 0.12)	686 ± 3 (27.01 ± 0.12)	762 ± 3 (20 ± 0.12)	889 ± 3 (35 ± 0.12)	1029 ± 3 (10.51 ± 0.12)	1257 ± 3 (49.49 ± 0.12)	762 ± 3 (30 ± 0.12)	838 ± 3 (32.99 ± 0.12)	991 ± 3 (29.03 ± 0.12)	1130 ± 3 (44.49 ± 0.12)	1384 ± 3 (54.49 ± 0.12)
	RTJ	968 ± 3 (38.11 ± 0.12)	1146 ± 3 (45.12 ± 0.12)	-	-	892 ± 3 (35.12 ± 0.12)	1038 ± 3 (40.87 ± 0.12)	1276 ± 3 (50.24 ± 0.12)	-	-	994 ± 3 (39.13 ± 0.12)	1140 ± 3 (44.88 ± 0.12)	1407 ± 3 (55.39 ± 0.12)
P	518 (20.39)	525 (20.67)	409 (16.10)	416 (16.38)	407 (16.02)	548 (21.57)	564 (22.2)	454 (17.87)	455 (17.91)	486 (19.13)	585 (23.03)	597 (23.50)	
Q	573 (22.56)	575 (22.64)	476 (18.74)	475 (18.70)	490 (19.29)	600 (23.62)	657 (25.87)	513 (20.2)	528 (20.79)	528 (20.79)	640 (25.2)	645 (25.39)	
S	85 (3.35)	100 (3.94)	75 (2.95)	80 (3.15)	90 (3.54)	95 (3.74)	135 (5.31)	85 (3.35)	90 (3.54)	90 (3.54)	110 (4.33)	120 (4.72)	
øA	381 (15)	381 (15)	-	-	419.1 (16.5)	419.1 (16.5)	419.1 (16.5)	-	-	469.9 (18.5)	469.9 (18.50)	469.9 (18.5)	
B	11.91 (0.47)	23.01 (0.91)	-	-	11.91 (0.47)	16.66 (0.66)	26.97 (1.06)	-	-	11.91 (0.47)	16.66 (0.66)	30.18 (1.19)	
G	7.92 (0.31)	14.27 (0.56)	-	-	7.92 (0.31)	11.13 (0.44)	15.88 (0.63)	-	-	7.92 (0.31)	11.13 (0.44)	17.48 (0.69)	
D	23°	23°	-	-	23°	23°	23°	-	-	23°	23°	23°	
Groove No.	R57	R58	-	-	R61	R62	R63	-	-	R65	R66	R67	
Weight Approx. in Kg (lb oz)	1425 (3141 lb 9 oz)	2406 (5304 lb 5 oz)	752 (1657 lb 14 oz)	943 (2078 lb 15 oz)	1229 (2709 lb 8 oz)	1908 (4206 lb 7 oz)	3386 (7464 lb 14 oz)	1043 (2299 lb 7 oz)	1286 (2835 lb 2 oz)	1689 (3723 lb 9.7 oz)	2501 (5513 lb 12 oz)	3886 (8567 lb 3 oz)	
K (Approx.)	338 (13.31)	345 (13.58)	345 (13.58)	345 (13.58)	345 (13.58)	368 (14.49)	384 (15.12)	385 (15.16)	385 (15.16)	385 (15.16)	405 (15.94)	420 (16.54)	
X*	350 (13.78)	393 (15.47)	335 (13.19)	324 (12.76)	338 (13.31)	378 (14.88)	523 (20.59)	371 (14.61)	391 (15.39)	391 (15.39)	466 (18.35)	534 (21.02)	
Y*	350 (13.78)	393 (15.4)	335 (13.19)	324 (12.76)	338 (13.31)	378 (14.88)	523 (20.59)	371 (14.61)	391 (15.39)	391 (15.39)	466 (18.35)	534 (21.02)	

* REFER TO NOTE 2

Notes:

- All dimensions are in mm (inches), unless otherwise specified.
- 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
- For top mounting details, refer to Document TDS-279 (latest version).

Size NPS 8 to NPS 10, Class 900, 1500, NPS 12 – NPS 24 FB, Class 150, 300, 600, 900, 1500 Dimensions

SIZE	NPS 8	NPS 8	NPS 8	NPS 8	NPS 8	NPS 20	NPS 20	NPS 20	NPS 20	NPS 24	NPS 24	NPS 24
Class	150	300	600	900	1500	150	300	600	900	150	300	600
øE	436 (17.17)	436 (17.17)	436 (17.17)	423 (16.65)	406 (15.98)	487 (19.17)	487 (19.17)	487 (19.17)	471 (18.54)	589 (23.19)	589 (23.19)	589 (23.19)
øR	RF	533.4 (21)	533.4 (21)	533.4 (21)	533.4 (21)	533.4 (21)	584.2 (23)	584.2 (23)	584.2 (23)	692.2 (27.25)	692.2 (27.25)	692.2 (27.25)
	RTJ	-	-	575 (22.64)	594 (23.39)	613 (24.13)	-	-	635 (25)	648 (25.51)	-	749 (29.49)
øC	577.9 (2.75)	628.6 (24.75)	654 (25.75)	685.8 (27)	774.7 (2.88)	635 (25)	685.8 (27)	723.9 (28.5)	749.3 (29.50)	749.3 (29.50)	812.8 (32)	838.2 (33)
øF	635 (25)	710 (27.95)	745 (29.33)	785 (30.91)	915 (36.02)	700 (27.56)	775 (30.51)	815 (32.09)	855 (33.66)	815 (32.09)	915 (36.02)	940 (37.01)
øN	31.75 (1.25)	34.92 (1.37)	44.45 (1.75)	12.7 (0.5)	73.03 (2.88)	31.75 (1.25)	34.92 (1.37)	44.45 (1.75)	53.98 (2.13)	34.92 (1.37)	41.27 (1.62)	50.8 (2)
M	16 (0.63)	24 (0.94)	20 (0.79)	20 (0.79)	16 (0.36)	20 (0.79)	24 (0.94)	24 (0.94)	20 (0.79)	20 (0.79)	24 (0.94)	24 (0.94)
T1	RF	2 (0.08)	2 (0.08)	7 (0.28)	7 (0.28)	7 (0.28)	2 (0.08)	2 (0.08)	7 (0.28)	7 (0.28)	2 (0.08)	7 (0.28)
	RTJ	-	-	7.92 (0.31)	12.7 (0.5)	17.48 (0.69)	-	-	9.53 (.38)	12.7 (0.5)	-	11.13 (0.44)
T	38.1 + 3 (1.5 + 0.12)	58.8 + 3 (2.31 + 0.12)	82.6 + 3 (3.25 + 0.12)	101.6 + 3 (4 + 0.12)	162 + 3 (6.38 + 0.12)	41.3 + 5 (1.63 + 0.12)	62 + 5 (2.44 + 0.2)	88.9 + 5 (3.5 + 0.2)	108 + 5 (4.25 + 0.2)	46.1 + 5 (1.81 + 0.2)	68.3 + 5 (2.69 + 0.2)	101.6 + 5 (4 + 0.2)
L	RF	864 ± 3 (34.02 ± 0.12)	914 ± 3 (35.98 ± 0.12)	1092 ± 3 (42.99 ± 0.12)	1219 ± 3 (47.99 ± 0.12)	1537 ± 3 (60.51 ± 0.12)	914 ± 3 (35.98 ± 0.12)	991 ± 3 (39.02 ± 0.12)	1194 ± 3 (47.01 ± 0.12)	1664 ± 3 (65.51 ± 0.12)	1067 ± 3 (42.01 ± 0.12)	1143 ± 3 (45 ± 0.12)
	RTJ	-	-	1095 ± 3 (43.11 ± 0.12)	1232 ± 3 (48.5 ± 0.12)	1559 ± 3 (61.38 ± 0.12)	-	-	1200 ± 3 (47.24 ± 0.12)	1686 ± 3 (66.38 ± 0.12)	-	1407 ± 3 (55.39 ± 0.12)
P	496 (19.53)	492 (19.37)	502 (19.76)	617 (24.29)	700 (27.56)	530 (20.87)	530 (20.87)	538 (21.18)	655 (25.79)	605 (23.82)	608 (23.94)	665 (26.18)
Q	568 (22.36)	568 (22.36)	590 (23.23)	675 (26.57)	720 (28.35)	605 (23.82)	596 (23.46)	632 (24.88)	680 (26.77)	672 (25.79)	709 (27.91)	745 (29.33)
S	95 (3.74)	100 (3.94)	115 (4.53)	135 (5.31)	140 (5.51)	100 (3.94)	125 (4.92)	130 (5.12)	160 (6.30)	125 (4.92)	150 (5.91)	145 (5.71)
øA	-	-	533.4 (21)	533.4 (21)	533.4 (21)	-	-	584.2 (23)	584.2 (23)	-	-	692.15 (27.25)
B	-	-	11.91 (0.47)	19.84 (0.78)	30.18 (1.19)	-	-	13.49 (0.53)	19.84 (0.78)	-	-	16.66 (0.66)
G	-	-	7.92 (0.31)	12.7 (0.5)	17.48 (0.69)	-	-	9.53 (0.38)	12.7 (0.5)	-	-	11.13 (0.44)
D	-	-	23°	23°	23°	-	-	23°	23°	-	-	23°
Groove No.	-	-	R69	R70	R71	-	-	R73	R74	-	-	R77
Weight Approx. in Kg (lb oz)	1383 (3048 lb)	1615 (3560 lb 7 oz)	2231 (4918 lb 8 oz)	3166 (6979 lb 13 oz)	5294 (11671 lb 4 oz)	1797 (3961 lb 11 oz)	2139 (4715 lb 11 oz)	2866 (6318 lb 7 oz)	4121 (9085 lb 4 oz)	3225 (7109 lb 15 oz)	4113 (9067 lb 9.8 oz)	5814 (12817 lb 11 oz)
K (Approx.)	420 (16.54)	425 (16.73)	420 (16.54)	440 (17.32)	470 (18.5)	460 (18.11)	460 (18.11)	460 (18.11)	475 (18.7)	535 (21.06)	535 (21.06)	535 (21.06)
X*	423 (16.65)	495 (19.49)	423 (16.65)	481 (18.94)	539 (21.22)	438 (17.24)	438 (17.24)	468 (18.43)	503 (19.8)	520 (20.47)	528 (20.79)	583 (22.95)
Y*	423 (16.65)	495 (19.49)	423 (16.65)	481 (18.94)	539 (21.22)	438 (17.24)	438 (17.24)	468 (18.43)	503 (19.8)	520 (20.47)	528 (20.79)	583 (22.95)

* REFER TO NOTE 2

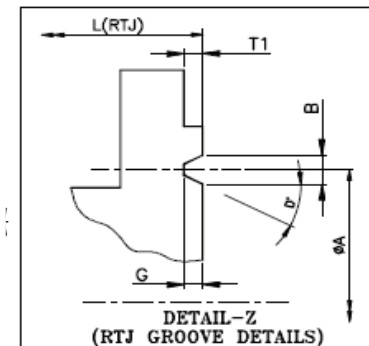
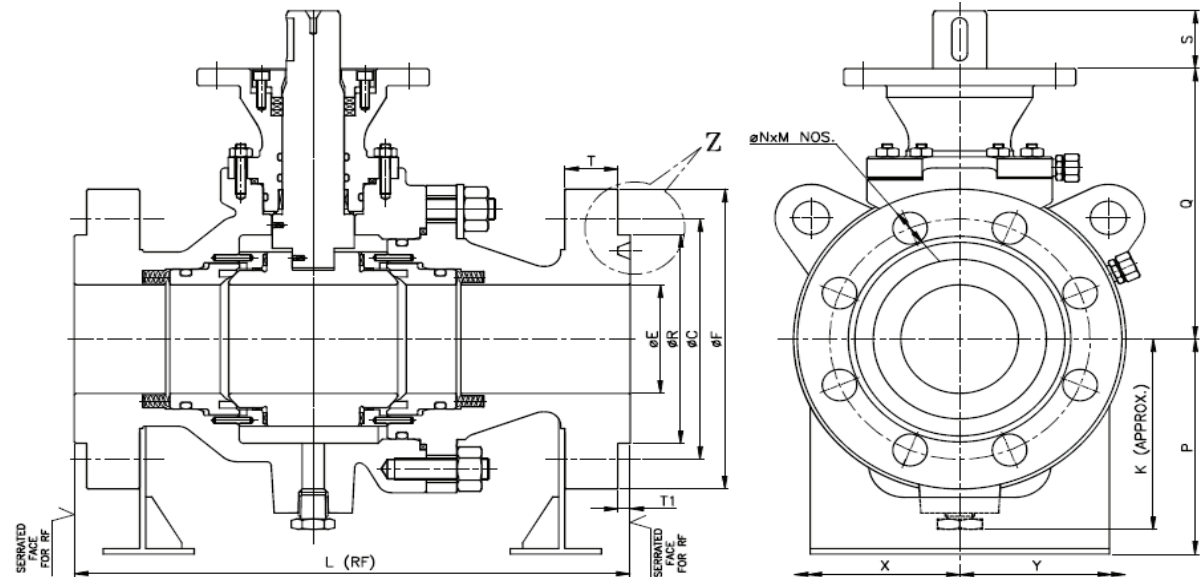
Notes:

1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).

Size NPS 4 FB, Class 600, 900 Dimensions

SIZE	NPS 4	NPS 4
Class	600	900
øE	100 (3.94)	100 (3.94)
øR	RF	157.2 (6.19)
	RTJ	175 (6.89)
øC	215.9 (8.5)	235 (9.25)
øF	275 (10.83)	290 (11.42)
øN	25.4 (1)	31.75 (1.25)
M	8 (0.31)	8 (0.31)
T1	RF	7 (0.28)
	RTJ	7.92 (0.31)
T	38.1 + 3 (1.5 + 0.12)	44.5 + 3 (1.75 + 0.12)
L	RF	432 ± 1.5 (17.07 ± 0.06)
	RTJ	435 ± 1.5 (17.13 ± 0.06)
P	202 (7.95)	237 (9.33)
Q	227 (8.94)	257 (10.12)
S	45 (1.77)	50 (1.97)
øA	149.23 (5.88)	149.23 (5.88)
B	11.91 (0.47)	11.91 (0.47)
G	7.92 (0.31)	7.92 (0.31)
D	23°	23°
Groove No.	R37	R37
Weight Approx. in Kg (lb oz)	94 (207 lb 4 oz)	139 (306 lb 7 oz)
K (Approx.)	155 (6.10)	160 (6.30)
X*	128 (5.04)	166 (6.54)
Y*	128 (5.04)	174 (6.85)

* REFER TO NOTE 2



Notes:

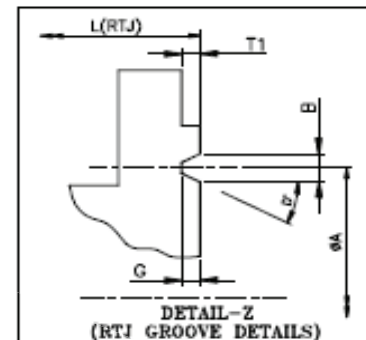
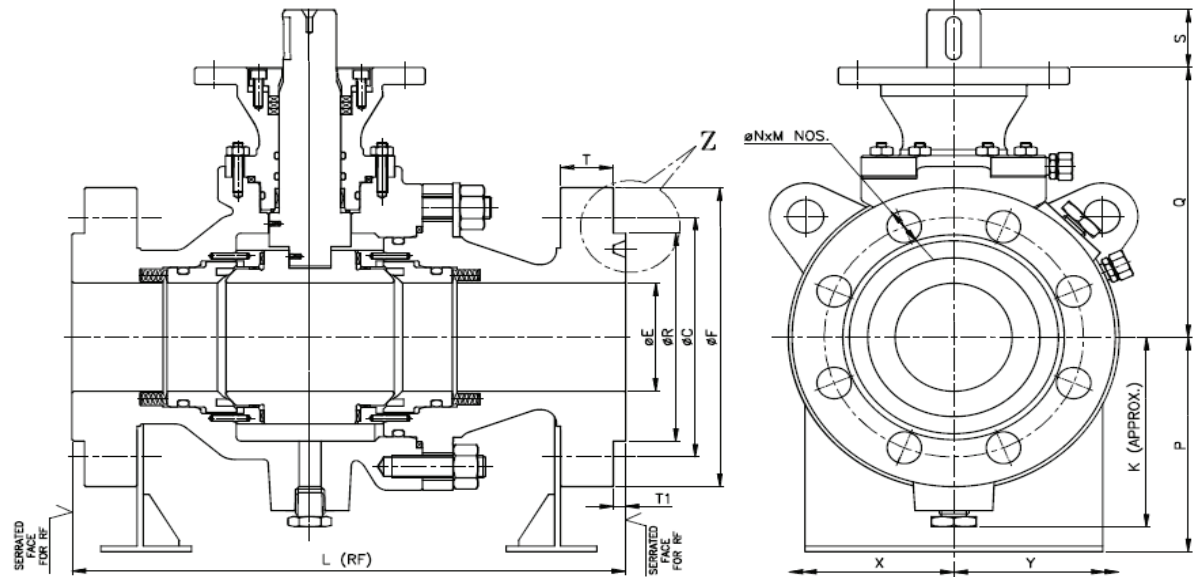
1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).

Size NPS 4 FB, Class 1500

Dimensions

SIZE	NPS 4	
Class	1500	
ϕE	100 (3.94)	
ϕR	RF	157.2 (6.19)
	RTJ	194 (7.64)
ϕC	241.3 (9.8)	
ϕF	310 (12.20)	
ϕN	34.93 (1.38)	
M	08 (0.31)	
T1	RF	7 (0.28)
	RTJ	7.92 (0.31)
T	54 + 3 (2.13 + 0.12)	
L	RF	546 ± 1.5 (21.50 ± 0.06)
	RTJ	549 ± 1.5 (21.61 ± 0.06)
P	222 (8.74)	
Q	272 (10.71)	
S	51 (2.01)	
ϕA	161.93 (6.38)	
B	11.91 (0.47)	
G	7.92 (0.31)	
D	23°	
Groove No.	R39	
Weight Approx. in Kg (lb oz)	194 (427 lb 11 oz)	
K (Approx.)	160 (6.30)	
X*	175 (6.89)	
Y*	175 (6.89)	

* REFER TO NOTE 2



Notes:

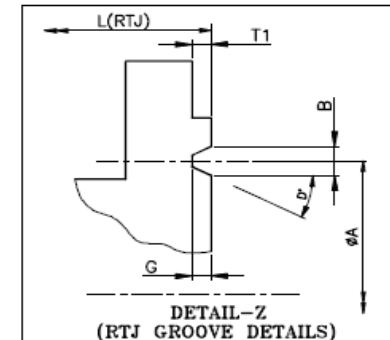
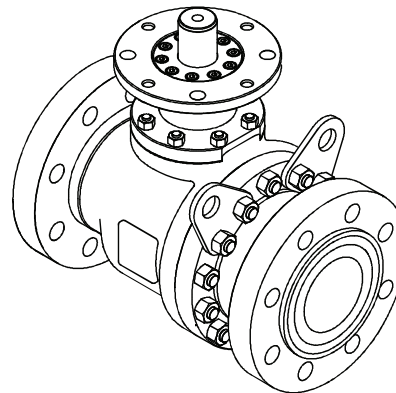
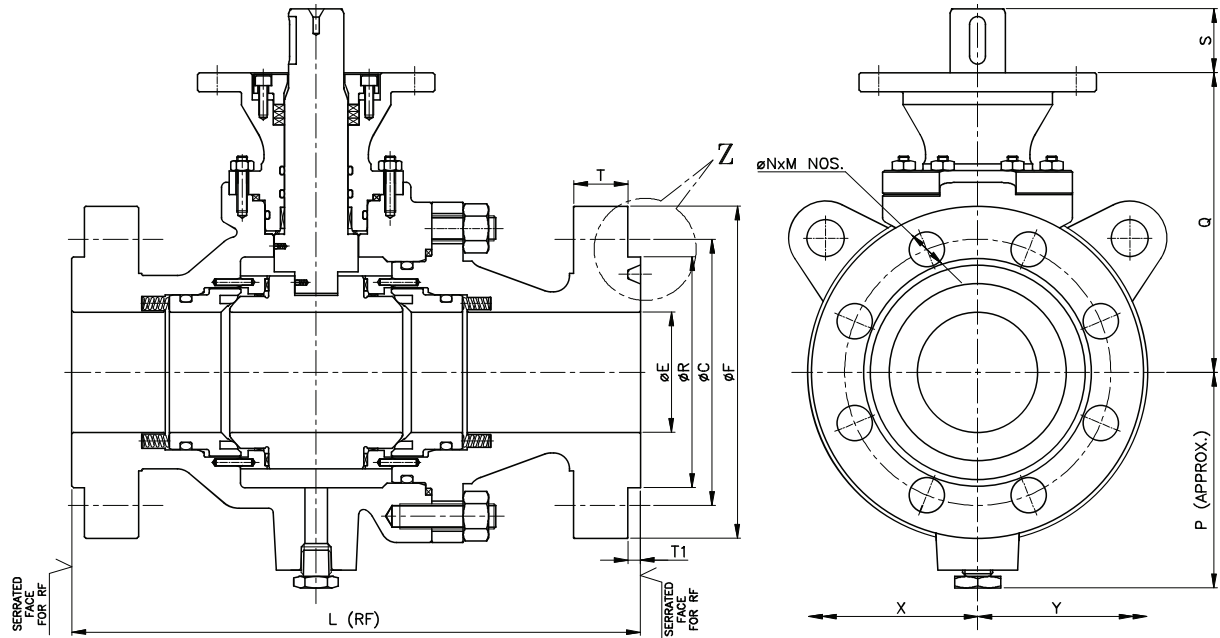
1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).

Size NPS 3 FB, Class 1500

Dimensions

SIZE	NPS 4	
Class	1500	
ϕE	74 (2.91)	
ϕR	RF	127 (5)
	RTJ	168 (6.61)
ϕC	203.2 (8)	
ϕF	265 (10.43)	
ϕN	31.75 (1.25)	
M	8 (0.31)	
T1	RF	7 (0.28)
	RTJ	7.92 (0.31)
T	47.7 + 3 (1.88 + 0.12)	
L	RF	470 ± 1.5 (18.5 ± 0.06)
	RTJ	473 ± 1.5 (18.62 ± 0.06)
P	140 (5.5)	
Q	230 (9.06)	
S	46 (1.81)	
ϕA	136.53 (5.38)	
B	11.91 (0.47)	
G	7.92 (0.31)	
D	23°	
Groove No.	R35	
Weight Approx. in Kg (lb oz)	114 (251 lb 5 oz)	
K (Approx.)	--	
X*	187 (7.36)	
Y*	187 (7.36)	

* REFER TO NOTE 2



Notes:

1. All dimensions are in mm (inches), unless otherwise specified.
2. 'X' and 'Y' are maximum envelope dimensions considering maximum dimension of customer side flange, body diameter, vent, sealant bosses or lifting hooks.
3. For top mounting details, refer to Document TDS-279 (latest version).

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