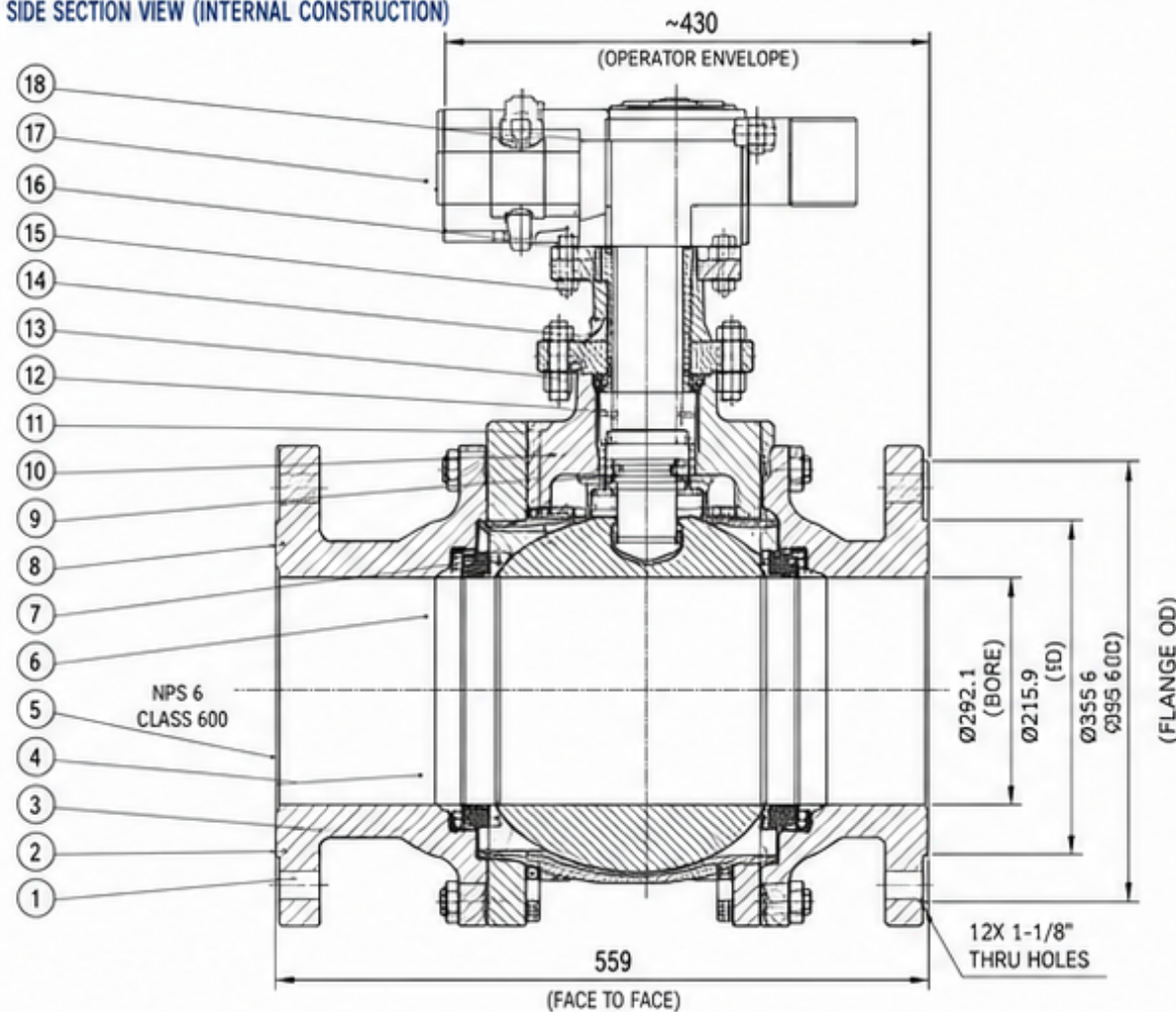
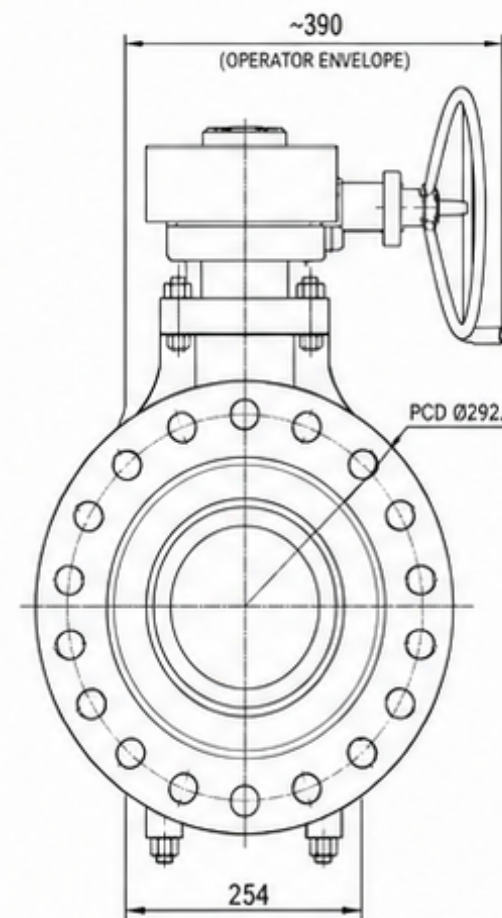


A. SIDE SECTION VIEW (INTERNAL CONSTRUCTION)



B. END VIEW (RF FLANGE INTERFACE)



GENERAL NOTES:

- DESIGN AND MANUFACTURE: API 6D / ASME B16.34
- FACE TO FACE: ASME B16.10
- FLANGE ENDS: ASME B16.5
- TEST & INSPECTION: API 6D / API 598
- FIRE TEST: API 607 (Upon Request)
- NACE MR0175/ISO 15156 (Upon Request)
- MANUFACTURER-SPECIFIC BODY AND GEAR OPERATOR ENVELOPE DIMENSIONS ARE SUBJECT TO APPROVED ORDER GA.
- DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE SPECIFIED.
- WEIGHT & TORQUE: PER APPROVED ORDER GA.

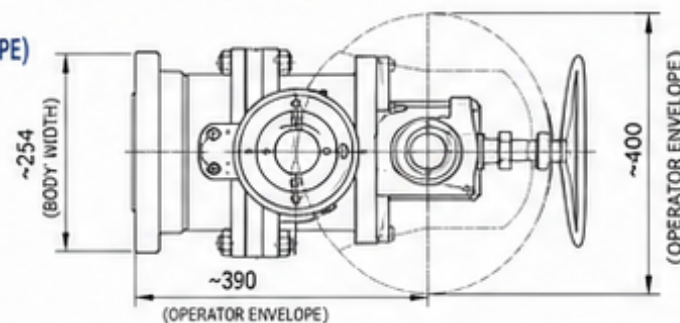
SPECIFICATIONS

VALVE TYPE	TRUNNION MOUNTED BALL VALVE
DESIGN STANDARD	API 6D / ASME B16.34
PRESSURE RATING	ASME CLASS 600
SIZE	6" (DN150)
END CONNECTION	RF FLANGED
FACE TO FACE	ASME B16.10
FLANGE STANDARD	ASME B16.5
TEST STANDARD	API 6D / API 598
BODY MATERIAL	ASTM A216 WCB
BALL MATERIAL	ASTM A105 + ENP
STEM MATERIAL	ASTM A182 F6a
SEAT MATERIAL	RPTFE
TRIM MATERIAL	A105 + ENP
OPERATION	GEAR OPERATOR

MATERIAL LIST

NO.	PART NAME	MATERIAL	ASTM SPEC.	QTY.
18	GEAR OPERATOR (WORM GEAR)	--	---	1
17	MOUNTING BRACKET	CARBON STEEL	A216 WCB	1
16	STEM NUT	ALLOY STEEL	A194 2H	1
15	GLAND FLANGE	CARBON STEEL	A216 WCB	1
14	GLAND EYEBOLT	CARBON STEEL	A193 B7	2
13	GLAND	CARBON STEEL	A216 WCB	1
13	PACKING	GRAPHITE	---	AS REQ.
11	STEM	ALLOY STEEL	A182 F6a	1
10	THRUST WASHER	PTFE + SS316	---	1
9	BODY SEAL	GRAPHITE	---	2
8	SEAT (RPTFE)	RPTFE	---	2
7	BALL	ASTM A105 + ENP	---	1
6	TRUNNION	ASTM A182 F6a	---	2
5	TRUNNION BEARING	PTFE COMPOSITE	---	2
4	END CAP	ASTM A216 WCB	A216 WCB	2
3	END CAP BOLT	ALLOY STEEL	A193 B7	16
2	BODY	ASTM A216 WCB	A216 WCB	1
1	BODY STUD NUT	ALLOY STEEL	A194 2H	32

C. TOP VIEW (OPERATOR & BODY ENVELOPE)



DIMENSIONS (REFERENCE)

NOMINAL SIZE	6" (DN150)
FACE TO FACE (RF)	559 mm
FLANGE OUTER DIAMETER	419.0 mm
RAISED FACE DIAMETER	355.6 mm
BOLT CIRCLE DIAMETER	292.1 mm
BOLT HOLES	12 x 1-1/8 in

PERFORMANCE (SEE NOTE 9)

MAX. ALLOWABLE PRESSURE	Class 600
SHELL TEST PRESSURE	15.3 MPa
SEAT TEST PRESSURE	11.2 MPa
APPLICABLE MEDIA	WOG / OIL / GAS
FIRE TEST	API 607 (Upon Request)

TEST & INSPECTION (SEE NOTE 4)

SHELL TEST	API 6D
SEAT TEST (WATER)	API 6D
SEAT TEST (AIR)	API 6D
FIRE TEST (Upon Request)	API 6D
INSPECTION	API 6D / API 598

NOTE:

- ALL DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- THIS DRAWING IS FOR REFERENCE ONLY. ARRANGEMENT REFERENCE ONLY.

DRAWING TYPE

DRAWING TYPE	GA DRAWING
REVISION	A
DATE	18-AUG-2026
SCALE	NTS
DRAWN BY	YKV ENG
CHECKED BY	QA DEPT

MANUFACTURER	CHINA YINKE VALVE CO., LIMITED	VALVE DESCRIPTION TRUNNION MOUNTED BALL VALVE (FULL BORE)			BODY MATERIAL	ASTM A216 WCB	GA DRAWING	REV.	
CUSTOMER	CONFIDENTIAL / REDACTED				TRIM MATERIAL	A105 + ENP		A	
PROJECT	PUBLIC ENGINEERING EVIDENCE				SIZE 6" (DN150)			OPERATION	GEAR OPERATOR
STATUS	WEBSITE SAMPLE - NOT FOR FABRICATION	PRESSURE RATING	ASME CLASS 600	END CONNECTION				RF FLANGED	1 OF 1
TAG NO.	----							DRAWING NO.	