

### BILL OF MATERIALS

ITEM	PART NAME	QTY	MATERIAL	ITEM	PARTS NAME	QTY	MATERIAL
1	BODY	1	ASTM A216 GR.WCB	11	PACKING	5	LOW EMISSION GRAPHITE
2	SEAT RING	2	ASTM A105N+STL#6	12	GLAND	1	ASTM A276 TYPE 410
3	WEDGE	1	ASTM A216 GR.WCB+13CR	13	GLAND FLANGE	1	ASTM A216 GR.WCB
4	STEM	1	ASTM A182 GR F6A	14	YOKE	1	ASTM A216 GR.WCB
5	GASKET	1	SPW SS304+GRAPHITE	15	GEAR OPERATOR	1	CARBON STEEL
6	BONNET	1	ASTM A216 GR.WCB	16	EYE BOLT	2	ASTM A193 GR.B7M+ZN
7	STUD	-	ASTM A193 GR.B7M+ZN	17	EYE NUT	2	ASTM A194 GR.2HM+ZN
8	NUT	-	ASTM A194 GR.2HM+ZN	18	PIN	2	ASTM A29 TYPE 1025
9	BACK SEAT	1	ASTM A276 TYPE 410	19	NAMEPLATE	1	SS304
10	SPACER RING	1	ASTM A276 TYPE 410	20	RIVET	2	SS304

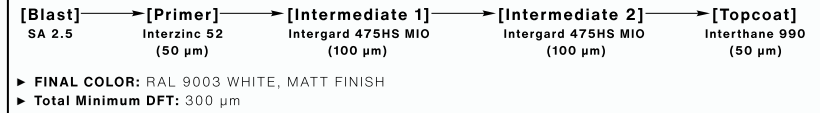
### PERFORMANCE STANDARDS

NOMINAL CL (PN)	300LB		STANDARD
SHELL TEST PRESSURE	7700 <sub>kPaG</sub>	435 <sub>Psi</sub>	API 598 WITH API 6D (TEST DURATION)
BACK SEAT PRESSURE	5600 <sub>kPaG</sub>	320 <sub>Psi</sub>	API 598
AIR TEST PRESSURE	600 <sub>kPaG</sub>	87 <sub>Psi</sub>	API 598 & ASME B16.34
TEMPERATURE RANGE	Up to +538 °C		1000 °F

### DESIGN STANDARDS

PRESSURE RATING	ANSI/ASME CLASS 300	VALVE TYPE	GATE VALVE
DESIGN	API 602	PRESSURE/TEMPERATURE RATING	ASME B16.34
FACE TO FACE DIMENSION	ASME B16.10	TEST & INSPECTION	API 598 WITH API 6D DURATION
MARKING	MSS SP-25	END CONNECTION	ANSI/ASME B16.5-RF, SF 3.2-6.3Ra
DIM. OF FLANGE	ANSI/ASME B16.5	WALL THICKNESS	API 600/ ASME B16.34
CERTIFICATION	EN10204, TYPE 3.1	NACE	MR 01-75 (Internal Wetted parts) & MR 01-03

### PAINT



### DESCRIPTION

200MM TO 600MM CLASS 600 GATE VALVE ASTM A216 WCB OSY BB API TRIM 8 13 PERCENT CR PLUS STELLITE 6 FACED SEAT AND DISC GRAPHOIL PACKING ASTM A193 GR.B7M+ZN FASTENERS RF FLANGED GEAR OPERATED API 602 DESIGN ASME B16.5 FLANGES ANSI B16.10 F2F API 598 TESTED API 6D DURATION NACE MR 01-75 INHERENTLY FIRESAFE

SIZE	φd	φR	φT	φO	n-φd1	C	L	H	W	φD	φA	φB	N-φD	G	H	TR	ISO	WT (KG)	PRODUCT CODE
8"	203	269.7	330.2	381	12-φ26	41.1	419	770	350	175	100	140	4-φ18	70	4	TR36x6LH	F14	240	GABC3008RN6DG200
10"	254	323.8	387.4	444	16-φ29	47.5	457	908	350	210	130	175	4-φ22	90	5	TR38x6LH	F16	330	GABC3008RN6DG250
12"	305	381	450.8	521	16-φ32	50.8	502	1070	350	210	130	175	4-φ22	90	5	TR42x8LH	F16	590	GABC3008RN6DG300
14"	337	412.8	514.4	584	20-φ32	53.8	762	1180	460	300	200	254	8-φ18	100	5	TR44x8LH	F25	750	GABC3008RN6DG350
16"	387	469.9	571.5	648	20-φ35	57.1	838	1320	460	300	200	254	8-φ18	100	5	TR48x8LH	F25	1060	GABC3008RN6DG400
18"	432	533.4	628.6	711	24-φ35	60.2	914	1490	460	300	200	254	8-φ18	100	5	TR52x8LH	F25	1250	GABC3008RN6DG450
20"	483	584.2	685.8	775	24-φ35	63.5	991	1620	500	350	230	298	8-φ22	120	5	TR55x10LH	F30	1770	GABC3008RN6DG500
24"	584	692.2	812.8	914	24-φ41	69.8	1143	1910	500	350	230	298	8-φ22	120	5	TR65x10LH	F30	2450	GABC3008RN6DG600

	DWG NO	GABC3008RN6DG200-600	CHECKED		DATE: 09-12-2025
	REV.	00	APPROVED		DATE: 10-12-2025