



Working
 Size (inches)
 ARD 300 PSI
 AMMA C500
 D1
 SCL. D1
 200

- Dimensions in inches.

SIZE Ød In.	ANSI B16.1 CL.125				A	H	H1	H2	H3	ØM	n1	ØW	By pass size		
	ØD	ØC	Øh	n										T	
14	15	21	18 ³ / ₄	1 ¹ / ₈	12	1 ³ / ₈	22.75	43.88	14.63	12.69	-	1xØh (UNC)	14	15.75	-
16	17	23 ¹ / ₂	21 ¹ / ₄	1 ¹ / ₈	16	1 ⁷ / ₁₆	26	51.69	16.64	14.38	25.79	1xØh (UNC)	14	17.75	3
18	18	25	22 ³ / ₄	1 ¹ / ₄	16	1 ⁹ / ₁₆	29.29	55.00	18.71	15.59	27.88	1 ¹ / ₈ xTV (UNC)	14	17.75	3
20	18	27 ¹ / ₂	25	1 ¹ / ₄	20	1 ¹¹ / ₁₆	32.52	59.05	20.79	17.56	27.88	1 ¹ / ₈ xTV (UNC)	18	17.75	3
24	20	32	29 ¹ / ₂	1 ³ / ₈	20	1 ⁷ / ₈	36.54	69.49	22.05	24.73	32.63	1 ¹ / ₄ xTV (UNC)	18	19.69	4

NO.	PARTS	MATERIAL	ASTM DESIGNATION	QTY
432	Packing Box Bolt	Zinc Coated Steel	A 307 Grade B	1 set
350	O-Ring	Rubber (Buna N)	D 2000 BK 707	1
345	Packing	Braded Packing Synthetic Yarn with PTFE		1
320	Bonnet Gasket	Non Asbestos Sheet		1
253	Disc Guide	Bronze	B 62	2
251	Body Guide Bolt	Zinc Coated Steel	A 307 Grade B	1 set
181	Top Nut	Zinc Coated Steel	A 307 Grade B	1
178	Gland Bolt & Nut	Zinc Coated Steel	A 307 Grade B	2
168	Stem	Stainless Steel	A 276 Type 304	1
174	Bonnet Bolt & Nut	Zinc Coated Steel	A 307 Grade B	1 set
085	Disc Guide Bolt	Zinc Coated Steel	A 307 Grade B	1 set
082	Bonnet Guide	Bronze	B 62	2
081	Body Guide	Bronze	B 62	2
071	Stem Nut	Bronze	B 62	1
069	Gland Bushing	Bronze	B 62	1
067	Packing Box Bushing	Bronze	B 62	1
066	Bonnet Bushing	Bronze	B 62	1
062	Disc Seal Ring	Bronze	B 62	2
061	Body Seal Ring	Bronze	B 62	2
049	Gear Operator		1 set	1
010	Handwheel / Op Nut	Cast Iron	A 126 Class B	1
005	Gland	Ductile Iron	A 536 Gr.65-45-12	1
004	Packing Box	Ductile Iron	A 536 Gr.65-45-12	1
003	Disc	Ductile Iron	A 536 Gr.65-45-12	1
002	Bonnet	Ductile Iron	A 536 Gr.65-45-12	1
001	Body	Ductile Iron	A 536 Gr.65-45-12	1

MATERIAL LIST	
HYDRO SHELL	550 PSI
HYDRO VALVE SEAT	300 PSI
HYDRO BACK SEAT	- PSI
WORKING PRESSURE	300 PSI

AMERICAN R/D
 A DIVISION OF McWANE INC.
 1800 GREENBERGER DEAR ROAD, ANNISTON, AL 36207
 PHONE (256)831-2236 - FAX (256)831-2884

TITLE:
**14"-24" SOLID WEDGE GATE VALVE - NRS - FLANGED END -
 SPUR GEAR-SIDE BYPASS-SERIES-100**
 TYP: SINGV
 SCALE: NONE
 DWG. NO: 100-14-24FL-SGSRP
 DATE: 4/20/11