



Ⓢ PART LIST 54" RWGV ASSEMBLY WITH SPUR GEAR OPERATOR SHOWN 19300 lbs (approx.)

ITEM	DESCRIPTION	PART NO.	REQ'D	MATERIAL	ASTM	CLASS
1	WRENCH NUT (SEE NOTE 6)	532827	1	CAST IRON	A126	CLASS B
2	SET SCREW	536481	1	STEEL		
3	SPUR GEAR (SEE NOTE 5)		1			
4	HEX BOLT 3/4" x 6.00"	536521	4	STEEL		SEE NOTE 3
5	ADAPTER	533863	1	HOT ROLLED STEEL	A36	
6	STUFFING BOX w/SPUR GEAR	533887	1	HOT ROLLED STEEL	A36	
7	HEX NUT 3/4"	193814	4	STEEL		SEE NOTE 3
8	SO. HEAD PIPE PLUG 1/4-18NPT	199177	1	316 S. STEEL		
9	O-RING 5 1/8"x5 3/8"x 1/8" #251	195186	1	RUBBER	D2000	EPDM
10	O-RING 3 3/8" x 3 3/4" x 3/16" #340	533893	3	RUBBER	D2000	EPDM
11	O-RING 6 1/4"x6 5/8"x 3/16" #362	195926	1	RUBBER	D2000	EPDM
12	ANTI-FRICTION (THRUST) WASHER	533892	2	BRASS		HARD CDA260
13	SOCKET HEAD BOLT 3/4"x2 1/4"-BEVEL GEAR	533872	4	STEEL		SEE NOTE 3
	SOCKET HEAD BOLT 3/4"x1 1/2"-SPUR GEAR	536759	4	STEEL		SEE NOTE 3
14	SOCKET HEAD BOLT 1" x 5-1/2"	536756	4	STEEL		SEE NOTE 3
15	HEAVY HEX NUT 1"	193640	4	STEEL		SEE NOTE 3
16	EYEBOLT 1 1/2"	536108	2	STEEL		GALVANIZED
17	HEX NUT 1 1/2"	536135	2	STEEL		SEE NOTE 3
18	BONNET BUSHING	533885	1	BRONZE	B62	
19	STEM	533889	1	BRONZE		SEE NOTE 1
20	BONNET	533878	1	DUCTILE IRON	A536	
21	HEX BOLT 1 1/4" x 9 1/2"	536757	28	STEEL		SEE NOTE 3
22	HEX NUT 1 1/4"	536134	28	STEEL		SEE NOTE 3
23	BONNET O-RING	536536	1	RUBBER	D2000	EPDM
24	BODY	SEE BODIES	1	DUCTILE IRON	A536	
25	DISC NUT	533883	1	BRONZE	B62	
26	ENCAPSULATED DISC	533880	1	SEE NOTE 2		
27	GUIDE CAP	533891	2	CELCON		M90

4" RWGV BY-PASS PART LIST 210-lbs (approx.)

28	BY-PASS VALVE ASSEMBLY	040A236006LN	1			SEE NOTE 4
29	PIPE NIPPLE w/FLANGE	533868	2	STEEL		
30	90° ELBOW - SHORT	533869	2	STEEL		
30b	SPACER	536758	1	STEEL		
31	FLANGE GASKET	533870	5	RUBBER		
32	Ø 3/4" HEX BOLT (SHORT)		22	STEEL		SEE NOTE 3
32b	Ø 3/4" HEX BOLT (LONG)		6	STEEL		SEE NOTE 3
32c	Ø 3/4" THREADED STUD (LONG)		2	STEEL		SEE NOTE 3
32d	Ø 3/4" THREADED STUD (SHORT)		2	STEEL		SEE NOTE 3
33	HEX NUT 3/4"		36	STEEL		SEE NOTE 3

BEVEL GEAR PART LIST

34	BEVEL GEAR (SEE NOTE 5)		1	STEEL		
37	STEM NUT	536461	1	BRONZE Ⓢ		
38	KEY .5"x3"(USED WITH SPUR/BEVEL GEARING)	155233	1	STEEL		
39	CAP SCREW 3/4" x 1" (SPUR/BEVEL)	190566	1	STEEL		SEE NOTE 3
40	HOLD DOWN WASHER (USE w/SPUR/BEVEL)	533895	1	STEEL		SEE NOTE 3
40a	PIPE PLUG 3"	091429	1	SUPPLIED WITH GEAR		

POSITION INDICATOR PART LIST

41	HOUSING SUB ASSEMBLY		1	STEEL		
42	DECAL FOR POSITION INDICATOR		1			
43	WINDOW GASKET		1			
44	INDICATING STEM 42" RWGV OL		1	BRONZE		
45	POINTER POSITION INDICATOR OL		1	BRONZE		
46	WINDOW		1	PLEXIGLAS/LEXAN		

BODY END CONFIGURATIONS

47	FLANGE x FLANGE BODY	545400M/545669M	1	DUCTILE IRON	A536	
52	PIPE PLUG		2	SUPPLIED WHEN TAPPED		

NOTES:
 1. BRONZE ASTM B894 ALLOY C86200
 2. RUBBER ENCAPSULATED DUCTILE IRON DISC
 RUBBER - EPDM ASTM D2000
 DUCTILE IRON ASTM A536 GRADE 65-45-12
 3. BOLTS - SAE J429 GRADE 2
 FASTENERS - PLATED TO
 ASTM F1941 CLASS Fz/Zn 12C
 NUTS - ASTM A563 GRADE B
 4. BY-PASS VALVE
 4" RWGV - FLANGE ENDS
 BY-PASS VALVES ARE EQUIPPED WITH 2" SQUARE WRENCH NUTS
 OR 6" DIA HANDWHEELS OPEN LEFT OR RIGHT AS REQUIRED
 5. VALVES TO BE FURNISHED WITH ONE OF THE LISTED OPERATORS
 AT THE MANUFACTURER'S DISCRETION.
 BEVEL: LIMTORQUE B320-40, RATIO 4:1, TURNS TO OPEN 596
 ROTORK 157, RATIO 4:1, TURNS TO OPEN 596
 SPUR: ROTORK 157, RATIO 4:1, TURNS TO OPEN 596
 6. MANUFACTURER'S OPTION TO UPGRADE MATERIAL TO
 DUCTILE IRON A536

ECO 1654073
 DIMENSION 142.87
 WAS 139.45
 JWM 03/18/14

ECO 1672896
 CHANGED MATERIAL
 OF STEM NUT, REMOVED
 CALLOUT 35 & 36
 UPDATED TABLE
 CLW 08/15/14

ECO 1677128
 ADDED DIMENSION
 OF FLANGE
 AO 9/24/14

ECO 1687967
 CHANGED FROM
 48" TO 54"
 AO 2/4/15

APPROVED
 By Jason W. Bradley at 1:24 pm, Feb 05, 2015

SR BY	HD	10/08/12	UNLESS OTHERWISE NOTED	THIRD ANGLE PROJECTION	C. D. NO.
CHKD	JAB	10/08/12	BREAK CAST CORNERS!		PATT. NO.
ENGR	CGH	10/08/12	BREAK MACH CORNERS!		
MFR			TOLERANCES	NO	ASSY
MFG			UNLESS OTHERWISE NOTED	REF. NO.	SCALE
TOOL			LINEAR	ANGULAR	NONE
FBRY			±	±	STR. NO.

MAT'L NOTED
 DESCR. 54" RWGV
 250-PSI WORKING PRESSURE
 NUMBER 7028