Western GEAR CORPORATION • HEAVY MACHINERY DIVISION
EVERETT, WASHINGTON • TELEPHONE 206-259-9111

150 in. Stellar Telescope Mounting

BILL OF MATERIAL

QUANTITIES ARE FOR ONE UNIT

TITLE Declination Axis Counterweight ASS'Y.

DRAWN _____ CHECKED GR DATE _____

PAGE 3 OF 4

ASSEMBLY DWG. NO. W.G.M102991 2150.289 B002 ORIGINAL JOB NO. 28118

PART NO.	DRAWING NO.	QTY.	DESCRIPTION	MAT'L	MAT'L SPEC	REQD CERTS C	P	H	C/C	N/D			WT. LBS.	REMARKS	MAT'L CLASS SS	SD	BO	PS	REQD DELIVERY QTY	REQ	QTY	REQ	QTY	REQ	QTY	REQ	CODE
30	2150.289 B020	1	L.S. Mounting PLATE	STL	AISI C 1018				X																		
	W.G.C112681																										
31	COMML	1	POTENTIOMETER											C.I.C. SERIES 300 POTENTIOMETER, OR EQUAL 1K OHM													
32	COMML	3	CLAMP	STL	SECS # CC30																						
33	COMML	28	Bolt 1/2-13 x 2 1/4 SOC HD CAP	STL	CAD PLATE																						
34	COMML	AS REQ'D	LOCK WIRE 20 GA (.035)	STL																							
35	COMML	4	Bolt 1/2-13 x 1 Hex Head	STL	CAD PLATE																						
36	COMML	4	Washer, Lock, Split 1/2 Nom.	STL	CAD PLATE																						
37	COMML	1	1/8 TO 1/4 NPT HEX BUSHING PIPE	STL																							
38	2150.005 C 402 WGC 302967	1	CLOSED SYSTEM BREATHER ASSY	VAR																							
39	COMML	1	Coupling Assy.	STL	Boston #FCBB15 One End 5/8 One	1/2																					
40	COMML	8	CROSS DRILLED SOC HD CAP SCREW 5/16-18 x 1 LG.	STL	CAD PLATE																						
41	COMML	8	HEX-SOC FLAT HD CAP SCREW 5/16-18 x 3/4 LG	STL	CAD PLATE																						
42	COMML	2	PIPE PLUG 1/8 P.T.F.	S/STL																							
43	COMML	4	TAPERED DOWEL PIN, No. 5 x 1 1/2 LG.	STL																							
44	COMML	1	Locknut	STL	TIMKEN No. TRD-2																						
45	COMML	1	Lockwasher	STL	TIMKEN No. TW 102																						
46	COMML	1	Oil Seal		Chicago Rawhide 4984									ALT. NAT'L #480119													
47	COMML	1	Oil Seal		Chicago Rawhide 13544									ALT. NAT'L #503955													
48	COMML	1	Bearing	STL	Timken With Spacer Type TDOS A4829									TIMKEN CUP # 21226 D TIMKEN CONE # 21075													
49	COMML	6	Bearing	STL	New Departure #88013																						
50	COMML	4	DOWEL PIN 1/2 Dia x 1 1/2 Long	STL																							
51	COMML	2	1/2-13 Lifting Eyes	STL																							
52	COMML	To Suit	2 1/2 Emt Conduit.	STL																							

PRODUCTION CONTROL

WESTERN GEAR CORPORATION
CONSTRUCTION PROJECTS
PROCUREMENT
GR. DATE SEP 2 9 1968

DATE	REV.	DESCRIPTION	BY	DATE	REV.	DESCRIPTION	BY
8/8/68	A	REVISED PER AURA. APP PRINT.		11/2/68	E	P/N 46 WAS C/R 49845 & ADDED NAT'L # 480119. P/N 47 WAS C/R 13546 & ADDED NAT'L # 503955	
8/13/68	B	P/N 30 DWG No. WAS 2150.005B009					
8/20/68	C	P/N 48 ADDED 21075/212260		1/22/69	F	SEE SHT 2	
9/20/68	D	P/N 37 DELETED		1/24/69	G	P/N 38 DELETED ADDED DESCRIPTION TO P/N 31	

CERTIFICATION LEGEND
C CHEMICAL
P PHYSICAL
H HARDNESS
C/C CERTIFICATION OF CONFORMANCE

RF 1179

N/D NONDESTRUCTIVE TEST CONSISTING OF:
PT LIQUID PENETRANT INSPECTION
MT MAGNETIC PARTICLE INSPECTION
RT RADIOGRAPHIC INSPECTION
P PRESSURE TEST
UT ULTRASONIC TEST

Z.P.N.O. No. 2150.289 A002 DWG. NO. W.G. C-112940

REV M

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY
H	ADDED P/N 33 SEE SHEET 3		4/26/72	K	P/N 33 WAS 1 3/4 LG.	GT

FIND NO.	NOMENCLATURE	QTY.	CODE IDENT.	MANUFACTURER PART OR DWG NO.	MANUFACTURER NAME	MATL	MATL SPEC	REQ'D CERTS C	P	H	C/C	N/D	N		ALTERNATE SPEC FOR GOVT REFERENCE	WT LBS	REMARKS	MATL CLASS SS	SD	BO	PS
53	TAPERED DOWEL PIN	2		No. 5 x 2" LG																	
54																					
55																					

DATE	REV.	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY
10 4 71	H	ADDED P/N 53			M	REVISED QTY P/N'S 53, 43, 23, 40	LDS
4-26-72	K	SEE SHT. 3					
8/2/72	L	SEE SHT 3	GR				

RF 1179

SIZE	CODE IDENT NO.		REV
B	16603	PL 2150.289 A002 WGC-112940	M
SCALE	WT LB	SHEET 4 OF 4	