

150 INCH STELLAR TELESCOPE MOUNTING
 BILL OF MATERIAL
 QUANTITIES ARE FOR ONE UNIT
 WGC DWG N-102.959
 2150.210E102
 PAGE 1 OF 4
 TUBE ASSEMBLY, POLAR AXIS CABLE WRAP-UP

PART NO.	DRAWING NO.	QTY.	DESCRIPTION	MAT'L	MAT'L SPEC	REQD CERTS				REMARKS	PRODUCTION CONTROL				CODE
						C	P	H	S		CLASS	QTY	REQD	QTY	
REF	2150.210-		OUTLINE												
	E101 WGC														
	N-102.822														
1	2150.210-	1	INNER TUBE - REAR	STL			X			FABRICATION					
	D123 WGC														
	E-107.850														
2	2150.210-	1	INNER TUBE	STL			X			FABRICATION					
	E104 WGC														
	N-102.961														
3	2150.210-	1	OUTER TUBE, FORWARD	STL			X			FABRICATION					
	D122 WGC														
	E-107.849														
4	2150.210-	1	GEAR, SUN	STL	SAE 4340		X								
	C106 WGC														
	D-107.383														
5	2150.210-	1	PINION	STL	SAE 4140		X								
	C107 WGC														
	D-107.397														
6	2150.210-	1	GEAR, RING	STL	SAE 4340		X								
	C108 WGC														
	D-107.382														
7	2150.210-	1	BEARING, RETAINER	STL	ASTM A7		X								
	B109 WGC														
	C-112.377														

WESTERN GEAR CORPORATION
 CONSTRUCTION PROJECTS
 DEPARTMENT
APPROVED FOR PROCUREMENT
 GR DATE 1/22/24

DATE	REV.	DESCRIPTION	BY	DATE	REV.	DESCRIPTION	BY
4-14-69	C	REVISED & REDRAWN					
15-OCT-67	D	REVISED FOR AREA ADD PRINT					
7-10-79	F	Added Item 32; altered #24					

150 INCH STELLAR TELESCOPE MOUNTING
 BILL OF MATERIAL
 QUANTITIES ARE FOR ONE UNIT
 WGC DWG N-102.959
 2150.210E102
 PAGE 3 OF 4
 TUBE ASSEMBLY, POLAR AXIS CABLE WRAP-UP

PART NO.	DRAWING NO.	QTY.	DESCRIPTION	MAT'L	MAT'L SPEC	REQD CERTS				REMARKS	PRODUCTION CONTROL				CODE
						C	P	H	S		CLASS	QTY	REQD	QTY	
17	COMPL	2	FLANGED BRONZE BEARING 5/8 NOM I.D.												
										BOSTON GEAR COMPANY NO. FB-1012-6					
18	COMPL	1	RING, RETAINING, EXTERNAL, 5/8 NOM. DIA.												
										WALDES-TRUARC COMPANY, NO. 3100-62					
19	COMPL	12	CAPSCREW, HEX HD	STL											
			REQ 1/4-20 UNC-2B X 3/4 LG.							CAD. PLATED					
20	COMPL	8	CAPSCREW, SOC. HD.	STL											
			1/4-20 UNC-2B X 1" LG.							CAD. PLATED					
21	COMPL	72	CAPSCREW, SOC. HD.	STL											
			1/8-20 UNC-2B X 5/8 LG.							CAD. PLATED					
22	COMPL	24	CAPSCREW, HEX HD.	STL											
			1/2-13 UNC-2B X 1-3/4 LG.							CAD. PLATED					
23	COMPL	12	CAPSCREW, HEX HD.	STL											
			3/8-16 UNC-2B X 1-1/4 LG.							CAD. PLATED					
24	COMPL	72	LOCKWASHER 1/4 SW	STL											
			FLAT							CAD. PLATED					
25	COMPL	12	LOCKWASHER 3/8 REG.	STL											
										CAD. PLATED					
26	COMPL	1	PLAIN WASHER 5/8	STL											
			NARROW, TYPE B							CAD. PLATED					
27	COMPL	24	NUT, HEX HD.	STL											
			13 UNC-2A							CAD. PLATED					

WESTERN GEAR CORPORATION
 CONSTRUCTION PROJECTS
 DEPARTMENT
APPROVED FOR PROCUREMENT
 GR DATE 1/22/24

DATE	REV.	DESCRIPTION	BY	DATE	REV.	DESCRIPTION	BY
4-14-69	C	REVISED & REDRAWN					
15-OCT-67	D	REVISED FOR AREA ADD PRINT					
7-10-79	F	Added Item 32; altered #24					

150 INCH STELLAR TELESCOPE MOUNTING
 BILL OF MATERIAL
 QUANTITIES ARE FOR ONE UNIT
 WGC DWG N-102.959
 2150.210E102
 PAGE 2 OF 4
 TUBE ASSEMBLY, POLAR AXIS CABLE WRAP-UP

PART NO.	DRAWING NO.	QTY.	DESCRIPTION	MAT'L	MAT'L SPEC	REQD CERTS				REMARKS	PRODUCTION CONTROL				CODE
						C	P	H	S		CLASS	QTY	REQD	QTY	
8	2150.210-	1	OUTER TUBE - REAR	STL			X			FABRICATION					
	D121 WGC														
	E-107.848														
9	2150.210-	1	SPACER, RING	STL	AISI C1018		X								
	E114 WGC														
	D-107.398														
10	2150.210-	3	SEGMENT, CABLE CARRIER	STL	ASTM A36		X								
	D115 WGC		(1 MAKES 6)												
	E-107.632														
11	2150.210-	1	PINION AND CABLE CARRIER	STL			X			FABRICATION					
	D116 WGC														
	E-107.633														
12	2150.210-	1	REGISTER RING	STL			X			FABRICATION					
	D117 WGC														
	E-107.622														
13	2150.210-	1	RETAINER RING	#410 S STL			X								
	B119 WGC														
	C-112.407														
14	COMPL	1	RADIAL BALL BEARING												
			7-1/2 BORE DIA.							KAYDON ENGR. CORP. NO. KD 75 CP					
15	COMPL	1	RADIAL BALL BEARING												
			8 BORE DIA.							KAYDON ENGR. CORP. NO. KD 90 CP					
16	COMPL	1	RADIAL BALL BEARING												
			10.00 BORE DIA.							KAYDON ENGR. CORP. NO. KC 100 CP					

WESTERN GEAR CORPORATION
 CONSTRUCTION PROJECTS
 DEPARTMENT
APPROVED FOR PROCUREMENT
 GR DATE 1/22/24

DATE	REV.	DESCRIPTION	BY	DATE	REV.	DESCRIPTION	BY
4-14-69	C	REVISED & REDRAWN					
15-OCT-67	D	REVISED FOR AREA ADD PRINT					
7-10-79	F	Added Item 32; altered #24					

150 INCH STELLAR TELESCOPE MOUNTING
 BILL OF MATERIAL
 QUANTITIES ARE FOR ONE UNIT
 WGC DWG N-102.959
 2150.210E102
 PAGE 4 OF 4
 TUBE ASSEMBLY, POLAR AXIS CABLE WRAP-UP

PART NO.	DRAWING NO.	QTY.	DESCRIPTION	MAT'L	MAT'L SPEC	REQD CERTS				REMARKS	PRODUCTION CONTROL				CODE
						C	P	H	S		CLASS	QTY	REQD	QTY	
28	COMPL	24	LOCKWASHER 1/2 REG.	STL											
										CAD. PLATED					
29	COMPL	12	CAPSCREW, SOC. FLAT HD.	STL											
			1/4-20 UNC X 3/8 LG.							CAD. PLATED					
30	COMPL	12	LOCKWASHER 1/4 REG.	STL											
										CAD. PLATED					
31	2150.210-	1	SHIM	STL	ASTM A36										
	C120 WGC														
	D-107.540														
32	COMPL	8	LOCKWASHER 1/4	STL											
			COLLAR												

WESTERN GEAR CORPORATION
 CONSTRUCTION PROJECTS
 DEPARTMENT
APPROVED FOR PROCUREMENT
 GR DATE 1/22/24

DATE	REV.	DESCRIPTION	BY	DATE	REV.	DESCRIPTION	BY
4-14-69	C	REVISED & REDRAWN					
15-OCT-67	D	REVISED FOR AREA ADD PRINT					
7-10-79	F	Added Item 32; altered #24					