


FINL/REF.#	QTY.	UM.	PART NAME	MATERIAL	PART DESCRIPTION	REF. SHEET/DWG.
2	2	EA	BAMPER	POLYURETHANE	Master-Buck Jambos Polyurethane Rubber, 3/4" ID, 3/8" HXMASTER 5559873	
1	1	EA	ROD	POLYCARBONATE	Clear Polycarbonate Rod 3/4" Diameter, MCMaster 8571K15	

UNLESS OTHERWISE SPECIFIED		PERMISSIBLE VARIATION IN INCH DIMENSIONS WITH TOLERANCES			
		MACHINING TOLERANCES			
		FABRICATION TOLERANCES			
1. DIMENSIONS ARE IN INCHES.		BELT 12	±.010	BEZEL PLACES X & Y	±.005
2. MACHINE SURFACES TO BE FLAT, SQUARE, PARALLEL, & CONCENTRIC					
3. WITHIN .001 TIR FOR .001 TIR AS APPLICABLE		12 TO 60	±.013	BELT 18	±.005
4. MARK ALL INTERNAL GEOMETRIC DIMENSIONAL PARTS WITH DIA.		60 TO 180	±.020	12 TO 48	±.005
5. BELT ALL SHARP CORNERS .01 X .45° CHAMFER.		180 TO 360	±.030	DVER 48	±.010
6. BELT ALL SHARP CORNERS .01 X .45° CHAMFER.		360 TO 720	±.040	DVER 48	±.010
7. TAPERED HOLES UNIFIED CLASS 2B THERO, MIN DEPTH 15 X DIA.		720 TO 1440	±.050	ANGLE TOLERANCE .01°	
8. TAPERED HOLES UNIFIED CLASS 2B THERO, MIN DEPTH 15 X DIA.		1440 TO 2880	±.060		
9. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		2880 TO 5760	±.070		
10. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		5760 TO 11520	±.080		
11. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		11520 TO 23040	±.090		
12. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		23040 TO 46080	±.100		
13. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		46080 TO 92160	±.110		
14. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		92160 TO 184320	±.120		
15. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		184320 TO 368640	±.130		
16. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		368640 TO 737280	±.140		
17. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		737280 TO 1474560	±.150		
18. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		1474560 TO 2949120	±.160		
19. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		2949120 TO 5898240	±.170		
20. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		5898240 TO 11796480	±.180		
21. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		11796480 TO 23592960	±.190		
22. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		23592960 TO 47185920	±.200		
23. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		47185920 TO 94371840	±.210		
24. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		94371840 TO 188743680	±.220		
25. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		188743680 TO 377487360	±.230		
26. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		377487360 TO 754974720	±.240		
27. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		754974720 TO 1509949440	±.250		
28. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		1509949440 TO 3019898880	±.260		
29. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		3019898880 TO 6039797760	±.270		
30. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		6039797760 TO 12079595520	±.280		
31. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		12079595520 TO 24159191040	±.290		
32. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		24159191040 TO 48318382080	±.300		
33. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		48318382080 TO 96636764160	±.310		
34. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		96636764160 TO 193273528320	±.320		
35. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		193273528320 TO 386547056640	±.330		
36. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		386547056640 TO 773094113280	±.340		
37. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		773094113280 TO 1546188226560	±.350		
38. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		1546188226560 TO 3092376453120	±.360		
39. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		3092376453120 TO 6184752906240	±.370		
40. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		6184752906240 TO 12369505812480	±.380		
41. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		12369505812480 TO 24739011624960	±.390		
42. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		24739011624960 TO 49478023249920	±.400		
43. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		49478023249920 TO 98956046499840	±.410		
44. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		98956046499840 TO 197912092999680	±.420		
45. CHAMF BORE & REMAIN HOLES 1/16 X .45°.		197912092999680 TO 3958241859993	±.430		

8. CENTERS PERMISSIBLE.
9. DO NOT SCALE DRAWING.
10. ALL WELDING TO CONFORM TO LATEST A.W.S. STANDARDS

SURFACE TEXTURE 
TOLERANCES ARE NOT ACCUMULATIVE

TEST Assy	QTY	DRAWING INFORMATION		SIZE	SCALE
		NAME	DATE	D	1:5
		ISSUED	06.30.18	PROJECT NUMBER	
		CHECKED	KH		
		APPROVED	KH		
<div> <div>OSI</div> <div>Open Source Instruments Inc.</div> </div>				TITLE	
				FARADEY ENCLOSURE, FECS	
				SHELF	
				SUPPORT	
				DRAWING NUMBER	
				103.000.004	
				SHEET	
				1 OF 1	REVISION
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