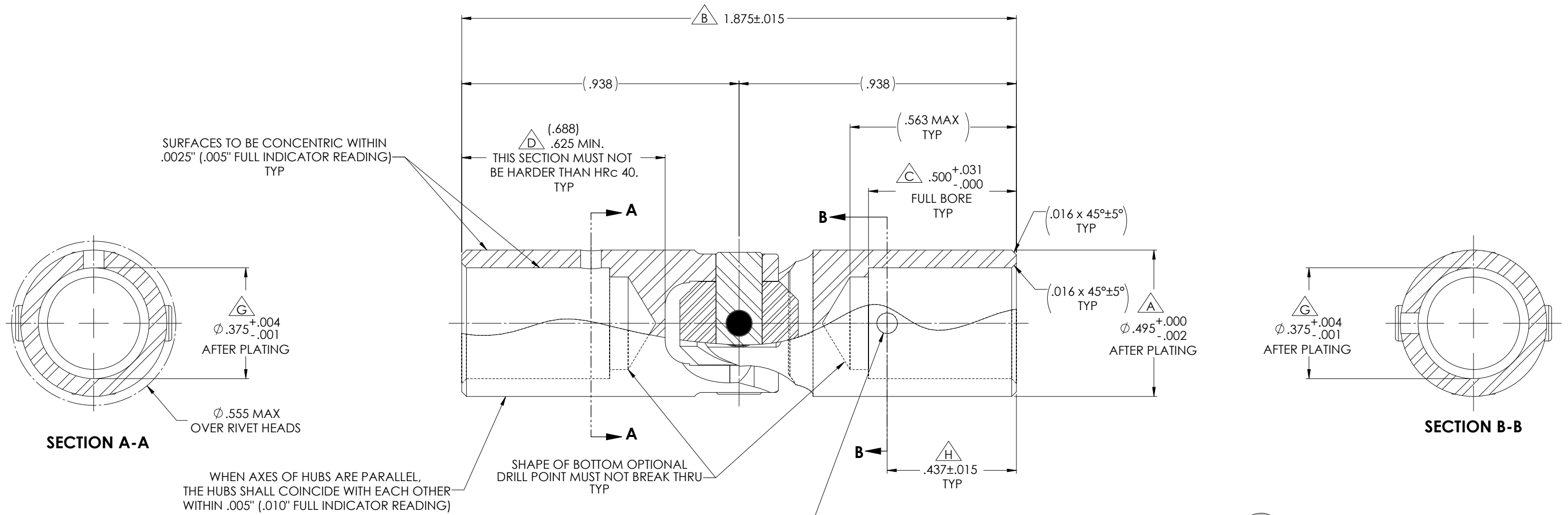


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



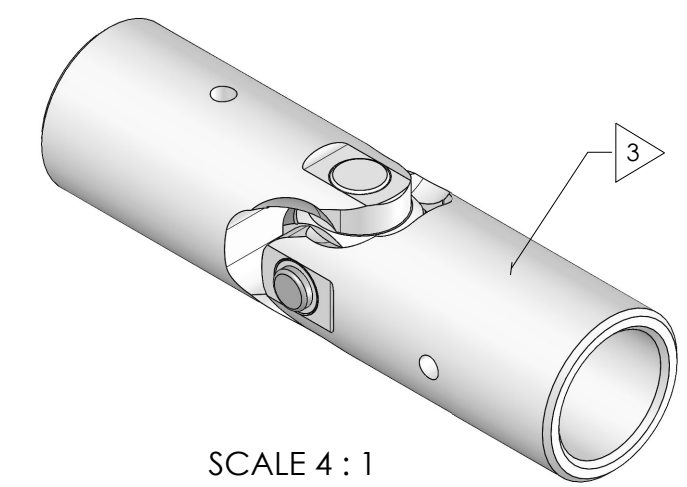
NOTES(s), UNLESS OTHERWISE SPECIFIED.

- (1) UNIVERSAL JOINT DESIGNED AND TESTED I.A.W. MIL-DTL-6193, CLASS 1 & MS20270, TYPE B.
- (2) REFERENCE, FINISH: ALL EXTERNAL STEEL COMPONENTS EXCEPT RIVET; CADMIUM PLATED I.A.W. SAE-AMS-QQ-P-416, TYPE II (YELLOW CHROMATE), CLASS 2.
- 3 IDENTIFICATION: ELECTRO-ETCH or LASER MARK ASSEMBLY w/ NAME, PART NUMBER, MANUFACTURER CAGE CODE, DATE OF MANUFACTURE (MO/YR), & BELDEN JOB No. I.A.W. MIL-STD-130 AS SHOWN.

BELDEN
 MS20270B8
 1R6X2 (MO/YR)
 (JOB No.)

- (4) LUBRICATION: LUBRICATE WITH OIL CONFORMING TO MIL-PRF-7870.
- (5) ANGULARITY: MUST BE OPERABLE TO A MINIMUM ANGLE OF 30°.
- (6) MAXIMUM ALLOWABLE TORSIONAL PLAY (BACKLASH): 0.80° (± 2%) @ 4 IN-LBS (± 2%).
- (7) MAXIMUM ALLOWABLE END PLAY: .0035" TOTAL WITH A 5 LB LOAD APPLIED IN BOTH DIRECTIONS WITHOUT LUBRICANT.
- (8) MAXIMUM ALLOWABLE SIDE PLAY: .0080" TOTAL WITH A 5 LB LOAD APPLIED IN BOTH DIRECTIONS WITHOUT LUBRICANT.
- (9) ULTIMATE (BREAKING) STATIC TORQUE: 250 IN-LBS (± 2%).
- (10) ULTIMATE TENSILE OR COMPRESSIVE STRENGTH: 200 LBS (± 2%).
- (11) DYNAMIC TORQUE ENDURANCE TEST: 38 IN-LBS (± 2%) AT 120 RPM AND A 15° OPERATING ANGLE FOR 2 HRS.
- (12) FLAG NOTES $\triangle A$, $\triangle B$, $\triangle C$... CORRESPOND TO DIMENSIONS AS LABELED ON SPECIFICATION MS20270.

FOR REFERENCE ONLY



SCALE 4 : 1

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED: CHAMFER ALL HOLES BREAK ALL SHARP CORNERS DE-BURR ALL FEATURES TURNED SURFACES: \checkmark ₆₃ MILLED SURFACES: \checkmark ₁₂₅	STANDARD TOLERANCES, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (mm) ANGULAR MACHINED: ±1.0° FRACTIONAL: ±.015" TWO PLACE DECIMAL: ±.010" THREE PLACE DECIMAL: ±.005" FOUR PLACE DECIMAL: ±.0005" CONCENTRICITY: .0025" T.I.R.	MATERIAL:	INITIALS	DATE	Belden Universal www.beldenuniversal.com TITLE: ASSEMBLY, UNIVERSAL JOINT, MIL-STD
		ALLOY STEEL			
		HEAT TREAT:			
		SEE DETAIL DRAWINGS			
FINISH/COATING: CADMIUM PLATED	ALL HOLES TO BE LOCATED ON CENTERLINE (Q) WITHIN .005" T.I.R. INTERPRET GEOMETRIC TOLERANCES I.A.W. ASME Y14.5	COMMENTS: MFG APPR. QUALITY COMMENTS:	SIZE DWG. NO. B MS20270B8	REV	SCALE: 6:1 WEIGHT (Lbs): 0.057 SHEET 1 OF 2