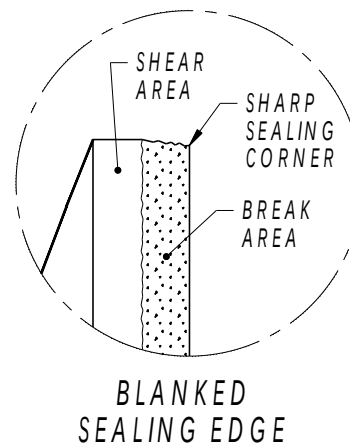
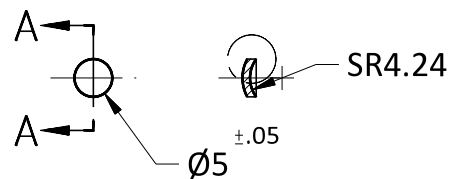
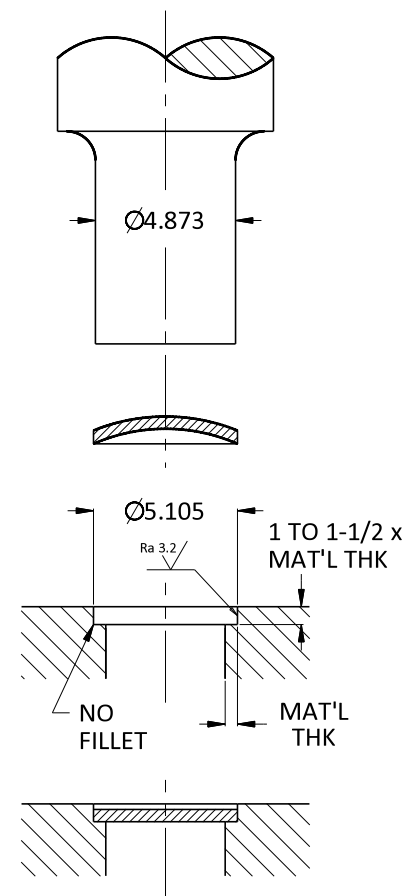




INSTALLATION RECOMMENDATIONS NO SCALE



M.D. Hubbard Spring Company

Engineers and Manufacturers Since 1905
<https://www.hubbardspring.com> OXFORD, MI - USA



SCALE: 1:1

PROJECTION:

PRODUCT NAME: **WELCH PLUG (DIN 470)
BLANKED EDGE - METRIC**

PART No.: **HPM-197**

DWG DATE: **JAN 1, 2026**

	MATERIAL	THK	PLAIN FINISH	ELECTRO - PLATED ZINC	MECHANICAL - PLATED ZINC
ALUMINUM	ASTM B209 - 1100 H14 TEMPER	0.81	HPM-197-A-32	ASTM B633 SC1 type "V" 0.0002" Min. (72 salt spray hours)	ASTM B695 0.00015" Min. (30 salt spray hours)
BRASS	ASTM B36/B36M - C26000 H02 TEMPER (half hard)	0.81	HPM-197-B-32		
STEEL	SAE J403 - 1008/1010 COLD ROLLED - ASTM A109 No. 2 TEMPER (half hard)	0.81 1.00	HPM-197-S-32 HPM-197-S-39	HPM-197-S-32-EZ HPM-197-S-39-EZ	HPM-197-S-32-MZ HPM-197-S-39-MZ
	SAE J403 - 1008/1010 HOT ROLLED "AS ROLLED" TEMPER				
STAINLESS STEEL	ASTM A666 - 304 ANNEALED TEMPER				