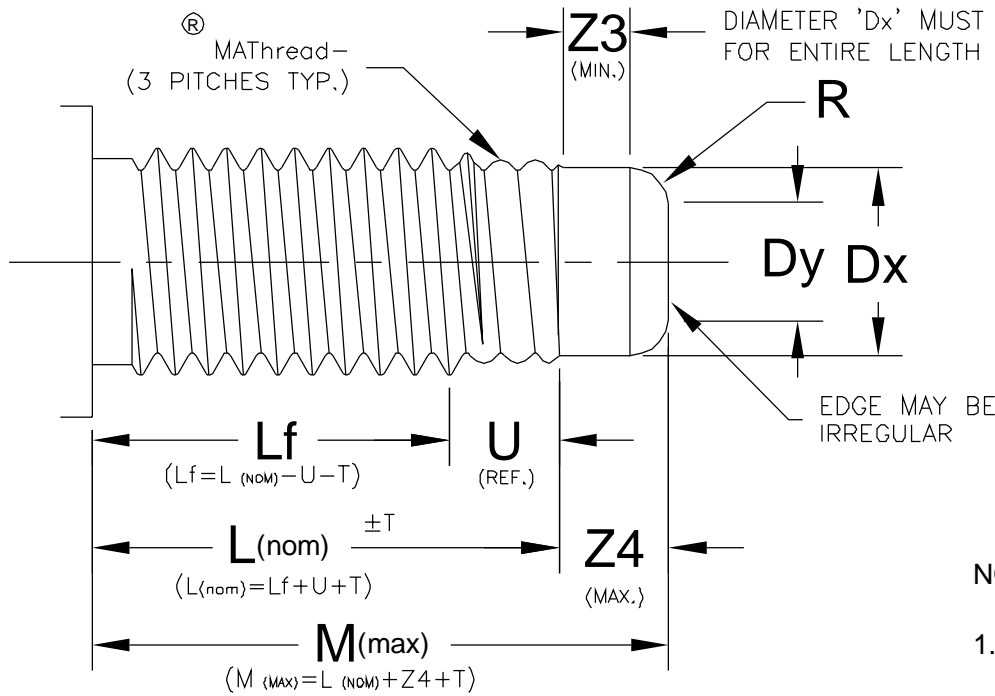


Description: **RADIUSED DOG (PILOT) POINT**

Thread type: **INCH - [UNC] COARSE**



NOTE:

- 'M' IS THE MAXIMUM OVERALL LENGTH. DO NOT LIST A MINIMUM.
- 'Lf' = REQUIRED MINIMUM FULL THREAD LENGTH. 'Lf' DIMENSION MUST BE ON FINISHED PART DRAWING.
- POINT RADIUS (R) MUST BE TANGENT TO DOG POINT.
- DIMENSION 'L' IS MEASURED TO THE LEAD THREAD WHERE THE THREAD PROFILE FIRST EXCEEDS .20 x PITCH IN HEIGHT (MEASURED FROM THE THREAD ROOT)
- DO NOT CHANGE DIMENSIONS 'Z3' OR 'Dx' WITHOUT CONSULTING WITH MATHread Inc.
- T = .010

THREAD SIZE & PITCH	MAT LENGTH (REF.) U	DOG POINT DIAMETER Dx	TIP DIA. (MAX.) Dy	POINT RADIUS (MIN.) R	STR. LENG. (MIN.) Z3	POINT LENG. (MAX.) Z4
1/4 - 20	.150	.189 / .193	0.154	0.02	0.065	.100
5/16 - 18	.167	.245 / .249	0.190	0.03	0.085	.130
3/8 - 16	.188	.301 / .305	0.205	0.05	0.115	.180
7/16 - 14	.214	.352 / .356	0.220	0.07	0.135	.220
1/2 - 13	.231	.409 / .413	0.260	0.08	0.165	.260
9/16 - 12	.250	.464 / .468	0.275	0.10	0.180	.295
5/8 - 11	.273	.519 / .523	0.290	0.12	0.215	.350

DIMENSIONS ARE IN INCHES (in)

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