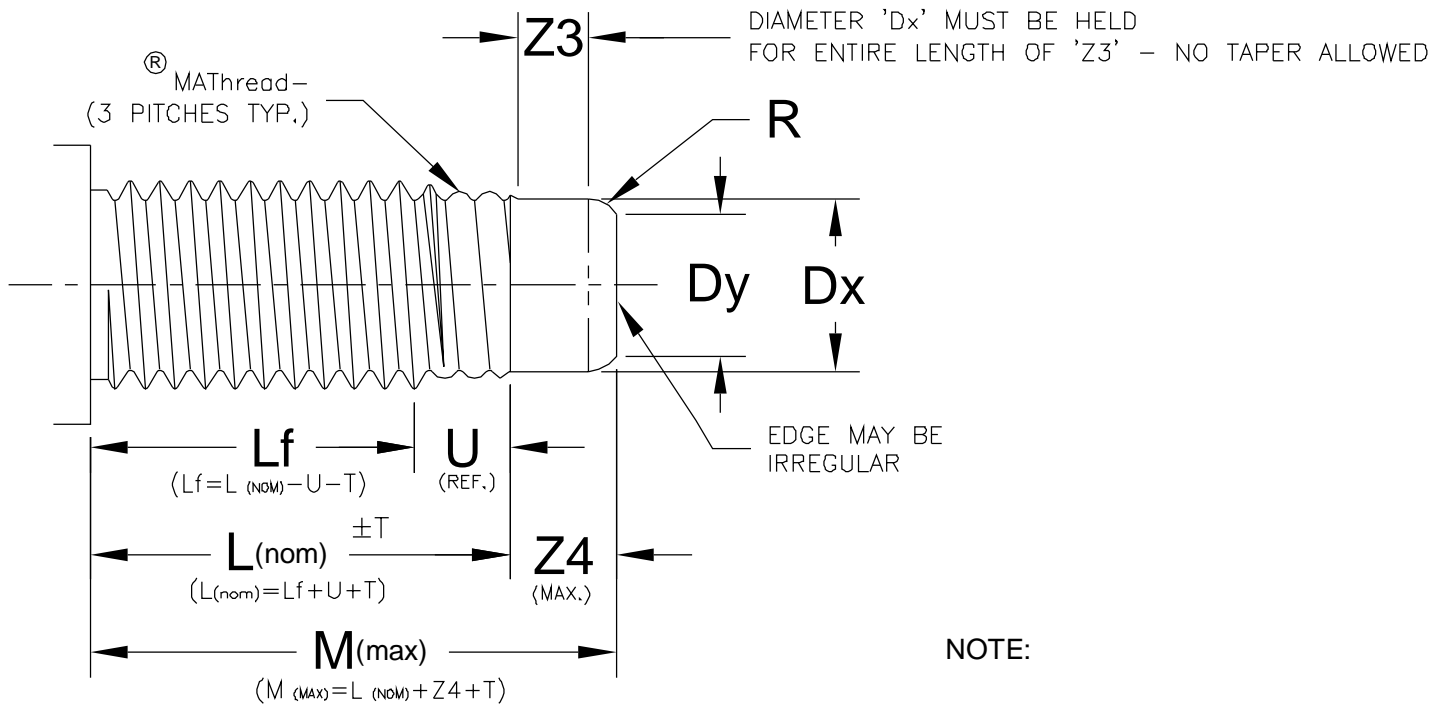


Description: **RADIUSED DOG (PILOT) POINT**

Thread type: **INCH - [UNF] FINE**



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.

| THREAD SIZE & PITCH | POINT 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 - 28 | 0.122 | .204 / .208 | 0.174 | 0.04 | 0.093 | 0.150 |
| 5/16 - 24 | 0.142 | .259 / .263 | 0.217 | 0.05 | 0.117 | 0.195 |
| 3/8 - 24 | 0.142 | .322 / .326 | 0.272 | 0.07 | 0.180 | 0.276 |
| 7/16 - 20 | 0.173 | .375 / .379 | 0.325 | 0.09 | 0.197 | 0.295 |
| 1/2 - 20 | 0.173 | .438 / .442 | 0.365 | 0.11 | 0.240 | 0.358 |
| 9/16 - 18 | 0.191 | .494 / .498 | 0.414 | 0.14 | 0.275 | 0.404 |
| 5/8 - 18 | 0.191 | .557 / .561 | 0.474 | 0.16 | 0.308 | 0.466 |

DIMENSIONS ARE IN INCHES (in)

6. T = .010

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