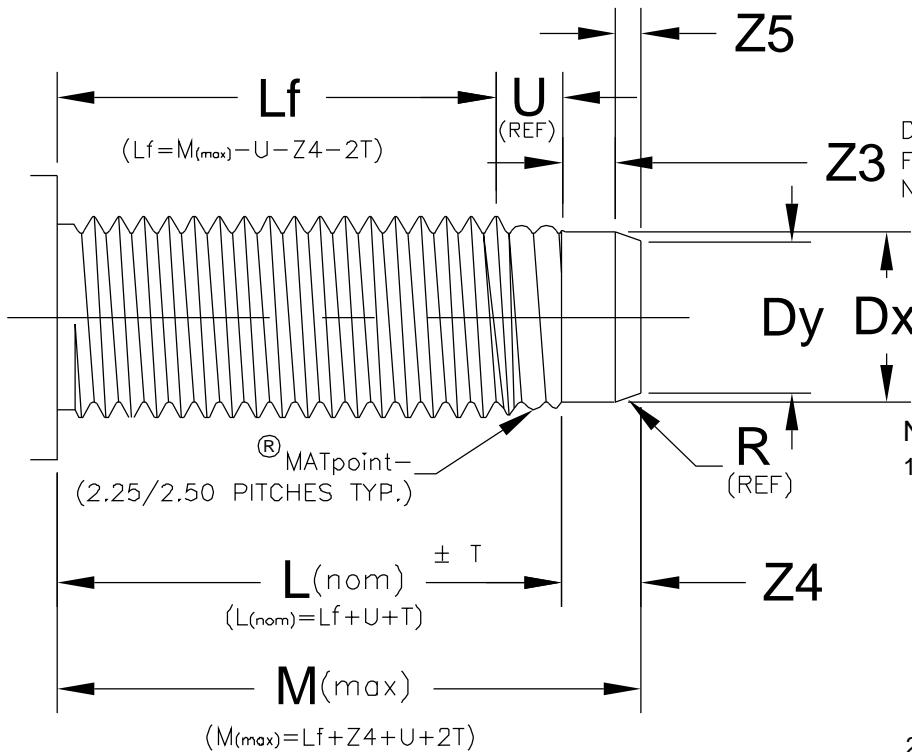


Description: **MATPOINT - (GM "M-POINT")**

Thread Type: **METRIC - FINE**



DIAMETER 'Dx' MUST BE HELD FOR ENTIRE LENGTH OF 'Z3' NO TAPER ALLOWED

NOTE:

- 'L(nom)' IS THE NOMINAL OVERALL LENGTH, MEASURED TO THE LEAD THREAD WHERE THE THREAD PROFILE FIRST EXCEEDS .20 x PITCH IN HEIGHT (MEASURED FROM THE THREAD ROOT)
- 'R' IS REFERENCE ONLY. DO NOT DIMENSION BLANK TO THIS RADIUS OR MEASURE ON FINISHED PARTS. CURVE WILL NOT BE TANGENT TO DOG POINT CYLINDER.
- 'Dx' RANGE COVERS ALL BLANK AND PLATING BUILD VARIATIONS. DO NOT USE THESE DIMENSIONS ON THE BLANK.
- DO NOT CHANGE DIMENSIONS 'Z3' OR 'Dx' WITHOUT CONSULTING WITH MATHread Inc.
- $T = 0.15$ FOR 'L' < 50mm
 $T = 0.25$ FOR 'L' > 50mm
- MATpoint[®] SHALL HAVE A MINIMUM OF 1.0 COMPLETE TURN OF RADIUSED THREAD. RADIUSED THREAD MUST BE FULLY FORMED FOR ENTIRE TURN, WITH NO LOCALIZED FISSURES, FLATS OR UNDERFILL AT PEAK OF THREAD. APPROPRIATELY SIZED "GO" GAGE MUST PASS OVER MATpoint[®] SECTION WITH MINIMAL DRAG.

THREAD SIZE & PITCH	PILOT DIA. Dx	TIP DIA. (MAX.) Dy	POINT RADII (REF.) R	MAT LENG. (REF.) U	PILOT LENG. (MIN.) Z3	POINT LENG. (MAX.) Z4	RADIUS LENG. (MIN.) Z5
M8 x 1.0	6.70 6.81	5.7	3.5	2.3	2.10	3.90	1.00
M10 x 1.25	8.37 8.47	7.0	4.3	2.8	2.60	4.65	1.25
M12 x 1.5	10.16 10.26	8.5	5.2	3.4	3.15	5.65	1.50
M14 x 1.5	12.16 12.26	9.8	6.2	3.4	3.68	6.43	1.75
M16 x 1.5	14.16 14.26	11.2	7.5	3.4	4.10	7.10	2.00

DIMENSIONS ARE IN MILLIMETERS (mm)

THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF MATHREAD, INC., WHITMORE LAKE, MI, USA. THE PRODUCTS DESCRIBED HERE ARE COVERED UNDER ONE OR MORE U.S. AND INTERNATIONAL PATENTS, INCLUDING BUT NOT LIMITED TO: 5,730,566; 5,791,849; 5,836,731; 5,997,231; 6,062,786; 6,162,001; 6,561,741 B2. THE PRODUCTS DESCRIBED HERE MAY NOT BE MANUFACTURED OR MARKETED, EXCEPT UNDER LICENSE FROM MATHREAD INC.. USE OF THE INFORMATION CONTAINED ON THIS PAGE IN MANUFACTURE AND/OR SALE OF THE PRODUCTS DESCRIBED HERE IS PROHIBITED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF MATHREAD INC.