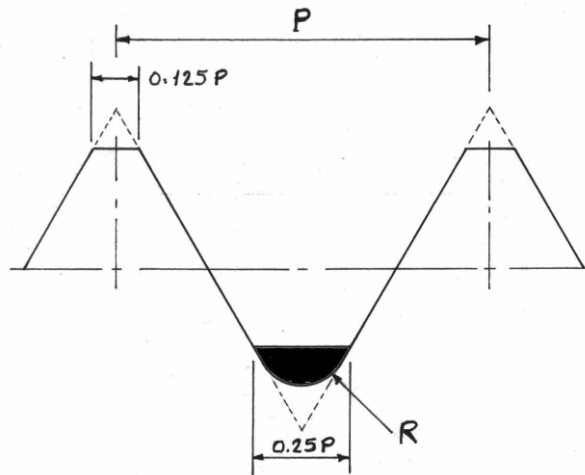


THREAD ROOT TOLERANCE AREA FOR METRIC AND US (AMERICAN) UN THREADS



Thread profile for 60° metric and American UN threads (ISO inch gevind)

P = pitch

R = min. radius

The thread profile must be within the dark area and either be flat or rounded.

Metric Thread ref. ISO 965-1		Other thread types
Pitch (P)	R min	
0,5	0,063	ISO inch thread UNC, UNF etc. ref. ASME B1.1 ISO 5864 R min = 0,10825P
0,6	0,075	
0,7	0,088	
0,75	0,094	
0,8	0,100	
1	0,125	
1,25	0,156	
1,5	0,188	
1,75	0,219	
2	0,250	
2,5	0,313	Whitworth ref. British Standard 84 R = 0,137329P
3	0,375	
3,5	0,438	
4	0,500	
4,5	0,563	
5	0,625	
5,5	0,688	
6	0,750	
8	1,000	

To calculate P in TPI to mm use $25,4/TPI$

P for 24 TPI is $25,4/24 = 1,058$ mm

Ex.: for UN thread

24 TPI is $P = 25,4/24 = 1,058$ $0,25P = 0,26$ mm and min. radius $R = 0,115$ mm