

# MARYLAND METRICS

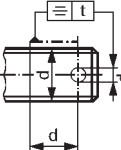
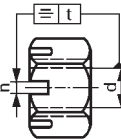
P.O.Box 261 Owings Mills, MD 21117 USA

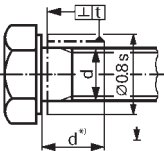
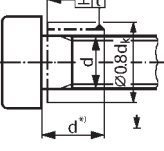
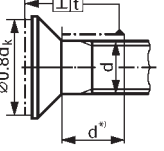
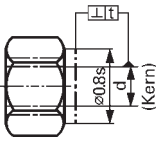
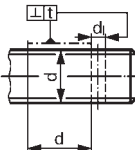
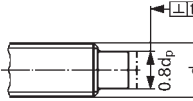
(410)358-3130 (800)638-1830 Faxes: (410)358-3142 (800)872-9329

http://mdmetric.com

techinfo@mdmetric.com

## TECHNICAL INFORMATION and DATA

Feature	Tolerance <i>t</i> for product grades			Tolerance <i>t</i> based on dimension	Notes
	A	B	C		
Symmetry: splint hole to shank 	2 IT 13	2 IT 14	2 IT 15	<i>d</i>	
Symmetry: slot to minor diameter 	2 IT 13	2 IT 14	2 IT 15	<i>d</i>	

Feature	Tolerance <i>t</i> **) for product grades			Notes	
	A	B	C		
Perpendicularity: bearing face to shank / thread    				<i>d</i>	
		0,05			1,6
					2
					2,5
		0,1		-	3
					3,5
					4
		0,15		0,3	5
					6
					7
		0,18		0,36	8
		0,24		0,48	10
		0,27		0,54	12
		0,31		0,62	14
		0,34		0,68	16
		0,38		0,76	18
		0,42		0,84	20
		0,45		0,90	22
		0,50		1,00	24
		0,57		1,14	27
		0,64		1,28	30
		0,70		1,40	33
		0,77		1,54	36
	0,84		1,68	39	
	0,45		0,90	42	
	0,49		0,98	45	
	0,52		1,04	48	
	0,56		1,12	52	
		0,08		ST 2,2	
		0,16		ST 2,9	
		0,16		ST 3,5	
		0,16		ST 4,2	
		0,3		ST 4,8	
		0,3		ST 5,5	
		0,3		ST 6,3	
		0,34		ST 8	
		0,42		ST 9,5	
Perpendicularity:  	Values see above				

Measuring circle:  
0,8 x width across  
flats or 0,8 x head  
diameter  
\*) see page 54  
\*\*) Tolerance *t*  
calculated from  
an angle of 1°  
for product  
grades A and B  
and 2° for pro-  
duct grade C  
up to *d* = 39 mm  
and 30° or 1°  
respectively  
for sizes over  
39 mm (in ac-  
cordance with  
common prac-  
tice).

\*\*) Tolerance for *t*  
calculated as  
follows  
 $t < 1,2 d \times \tan 2^\circ$