



WORLDWIDE STANDARD

WB 900

APPENDIX D

DATE: 1996 JULY

Dimensional Requirements for Internal Lobed Recesses

1. GAUGING OF LOBED RECESS. The recess shall be checked for dimensional acceptability using gauges that meet the requirements of Table D1 and Figure D1.

The recess penetration shall meet the requirements of Table D2 and D3 unless otherwise specified on the Ford utility part drawing.

Figure D1.

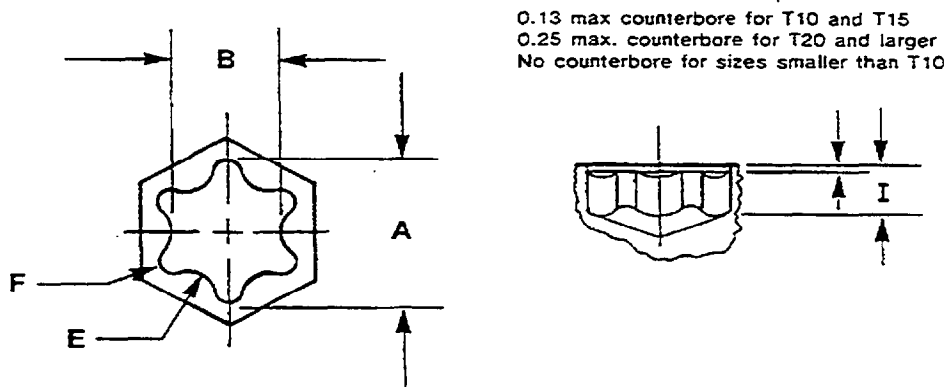


Table D1. Gauging limits

Recess Reference	A	B	E	F
T6	1.709	1.224	0.396	0.134
	1.695	1.210	0.371	0.130
T7	2.026	1.453	0.450	0.165
	2.012	1.437	0.442	0.157
T8	2.349	1.686	0.523	0.193
	2.335	1.672	0.498	0.188
T9	2.534	1.823	0.566	0.210
	2.520	1.809	0.542	0.204
T10	2.776	1.993	0.609	0.231
	2.761	1.979	0.585	0.227
T15	3.309	2.367	0.728	0.269
	3.295	2.353	0.704	0.265
T20	3.893	2.778	0.871	0.307
	3.879	2.764	0.846	0.303
T25	4.465	3.185	0.932	0.378
	4.451	3.170	0.907	0.371
T27	5.024	3.578	1.120	0.393
	5.009	3.564	1.095	0.387
T30	5.557	3.972	1.206	0.454
	5.543	3.958	1.182	0.448
T40	6.687	4.780	1.440	0.548
	6.673	4.766	1.415	0.544
T45	7.856	5.570	1.808	0.576
	7.841	5.555	1.784	0.572
T50	8.872	6.380	1.820	0.777
	8.857	6.366	1.804	0.773
T55	11.259	7.945	2.682	0.769
	11.245	7.930	2.657	0.765
T60	13.317	9.504	2.895	1.069
	13.302	9.490	2.871	1.065



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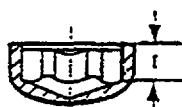
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Dimensional Requirements for Internal Lobed Recesses

Table D2.

I=Recess Gauge
Penetration



I=Recess Gauge Penetration		Head Type						
		A	B	C	D	E	F	G
		Pan	90° Raised Countersunk	90° Flat Countersunk	Hexagon	Flanged Hexagon	Cap	Headless
								
Recess Ref	Suitable screw sizes for head forms and recess specified	Head form dimensions as specified in: WB 900 or WD 900	Head form dimensions as specified in: WB 900 or WD 900	Head form dimensions as specified in: WB 900 or WD 900	Head form dimensions as specified in: WA 900	Head form dimensions as specified in: WA 900 or WD 900	Head form dimensions as specified in: ISO 4762	
T6	M2, M2.5, ST2.2 M3 Headless	I Minimum = 0.63					-	I Minimum = 0.77
T7	M3.5 Headless	-						I Minimum = 0.89
T8	M2.5 M4 Headless	I Minimum = 0.83					I Minimum = 1.1	
T9	M4.5 Headless	-						I Minimum = 1.2
T10	M3, ST2.9 M5 Headless	I Minimum = 0.88					I Minimum = 1.15	I Minimum = 1.53
T15	M3.5, ST3.5	I Minimum = 1.14	I Minimum = 1.27				I Minimum = 1.4	-
T20	M4, M4.5, ST4.2 M6 Headless	I Minimum = 1.27					-	I Minimum = 2.14
T25	M5, ST4.8, ST5.5, M4 Cap Head M7 Headless	I Minimum = 1.52					I Minimum = 2.04	I Minimum = 2.16
T27	M4.5, M5 Cap Head M8 Headless	-					I Minimum = 2.42	I Minimum = 2.29
T30	M6, ST6.3	I Minimum = 1.9					I Minimum = 2.93	-
T40	M8, ST8 M7 Cap Head M10 Headless	I Minimum = 2.79	I Minimum = 2.28				I Minimum = 2.93	I Minimum = 3.43
T45	M8 Cap Head M12 Headless	-					I Minimum = 3.31	I Minimum = 3.43
T50	M10, ST9.5 M14 Headless	I Minimum = 3.04					I Minimum = 4.22	I Minimum = 4.35
T55	M12	I Minimum = 4.44				I Minimum = 3.93	I Minimum = 4.83	I Minimum = 5.34
	M16 and M18 Headless	-						
T60	M14 Cap Head M20 Headless	-					I Minimum = 5.97	