

Pan Hd Type-Z Plastite® /  
Plas-Fix®-45 Alternatives

THREAD FORMING SCREWS



PAN TYPE-Z PLASTITE® PLAS-FIX® 45° ALTERNATIVE THREAD ROLLING SCREWS												
Nominal Screw Size	G		T		P	Recess Size	C		D		Recommended Pilot Hole Sizes	
	Head Diameter		Head Height		Recess Penetration Gaging Depth		Diameter of Circumscribing Circle		Measurements Across Center			
	Max	Min	Max	Min	Min		Max	Min	Max	Min		
M2.2	4.24	3.94	1.57	1.43	1	1	2.25	2.15	2.15	2.05	1.47	1.79
M2.5	4.00	3.70	1.60	1.46	1.1	1	2.55	2.41	2.5	2.37	1.85	2.05
M3	5.00	4.70	1.95	1.81	1.35	1	3.05	2.92	3	2.87	2.30	2.50
M3.5	6.00	5.70	2.30	2.16	1.45	1	3.55	3.42	3.5	3.34	2.75	3.00
M4	7.00	6.61	2.45	2.31	1.9	2	4.06	3.89	4	3.79	3.20	3.45
M5	8.00	7.64	2.80	2.66	2.3	2	5.06	4.89	5	4.79	3.70	4.10
M6	10.00	9.64	3.50	3.32	-	2	6.06	5.89	5.95	5.78	4.70	5.10
<b>Tolerance on Length</b>	M2.2 (All Lengths): ±0.8		M2.5 thru M5, up to 20mm: ±0.8			M2.5 thru M5, Over 20mm: ±1.3			M6 (All Lengths): ±1.3			

<b>Description</b>	Trilobular thread-rolling screw with extra wide spacing between 45° profile threads and a single lead thread that extends from the blunt point. Head is gently rounded. Recess features a large center opening; wide, straight wings; and a blunt bottom.
<b>Applications/Advantages</b>	Thermoplastics, engineering resins and certain thermosets. Sharper thread profile increases holding strength while reducing material displacement. Drive and strip torques are higher, reducing the need for inserts or reinforcing clips.
<b>Material</b>	<i>Steel</i> AISI 1022 steel
<b>Heat Treatment</b>	Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.
<b>Case Hardness</b>	HV 450 minimum
<b>Case Depth</b>	M2 thru M3.5 diameters: 0.05 - 0.18 mm M4 & M5 diameters: 0.10 - 0.25 mm M6 diameter: 0.13 - 0.28 mm
<b>Core Hardness (after tempering)</b>	HV 250 - 380
<b>Plating</b>	Screws have a RoHS-compliant zinc finish.

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