

METRIC FASTENERS

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	Min	Max
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
Tolerance on Length		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				

Description	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.	
Applications/ Advantages	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.	Used in applications where corrosion-resistant parts are required.
Material	Steel AISI 1022 steel	Stainless A2 Stainless
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.	-
Case Hardness	HV 450 minimum	-
Case Depth	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	-
Core Hardness (after tempering)	HV 250 - 380	-
Plating	Screws have a RoHS-compliant zinc finish.	Screws are passivated and waxed.

Plastite® is a registered trademark of REMINC. Kanebridge's screws are not authorized or made by licensed REMINC manufacturers.

Plas-Fix® is a registered trademark of Lancaster Fasteners Co. Ltd.. Kanebridge's screws are not authorized or made by licensed Lancaster Fastener manufacturers.