



Crescent Manufacturing
 Precision Fasteners | Made in the USA since 1960
www.crescentmanufacturing.com

CRESCENT MANUFACTURING

BETA AND BETA-PRO MINIATURE SELF-THREADING SCREWS								
<p>Crescent Manufacturing has developed a fastener with back tapered threads and a specially developed point angle that reduces the torque requirement and provides ease of installation. Beta and Beta-Pro fasteners are miniature thread forming screws that can be substituted for your more expensive licensed trilobular parts. Beta for plastics and Beta-Pro for metals.</p> <p>The effectiveness of Beta and Beta-Pro fasteners is created by the contact pressure between the wall of the hole and the thread of the fastener. Beta design increases the strength of the fastener and decreases the contact area, providing a very efficient method if thread forming with #0 thru #4 size screws.</p>			<p>Beta and Beta-Pro fasteners are offered in sizes #0 thru #4 (M1.4-M3) in length up to 1-7/8" (48mm). They can be manufactured in the material of your choosing, including 302ss, 400 series stainless, low carbon steel, alloy steels or brass. All are available in any of the standard head styles and drives or send us a drawing for something manufactured to your requirements.</p> <p>Crescent will manufacture as few as 1000 pieces or into the millions, per your requirements. Miniature fasteners are our area of expertise and Beta and Beta-Pro are just two more reasons why we are the fastener manufacturer for you!</p>					
BETA = TYPE "B"			BETA = TYPE "F"					
0-48	Approx. .046		2-56	Approx. .076				
1-42	Approx. .059		2-64	Approx. .077				
2-32	Approx. .072		3-48	Approx. .087				
3-28	Approx. .084		3-56	Approx. .089				
4-24	Approx. .096		4-40	Approx. .097				
			4-48	Approx. .100				
BETA TENSILE STRENGTH			BETA-PRO TENSILE STRENGTH					
THREAD SIZE	STRESS AREA (in ²)	TENSILE STRENGTH (lbs)	Screw Size		Stress Area (in ²)		Tensile Strength (lbs)	
#0	0.0012	200	Coarse	Fine	Coarse	Fine	Coarse	Fine
#1	0.0020	350	---	#0-80	---	0.00180	---	300
#2	0.0031	550	#1-64	#1-72	0.00263	0.00278	500	525
#3	0.0041	750	#2-56	#2-64	0.00370	0.00394	700	750
#4	0.0054	1000	#3-48	#3-56	0.00487	0.00523	900	1000
			#4-40	#4-48	0.00604	0.00661	1150	1200

Check our Parts In Inventory or Contact Crescent Manufacturing.