

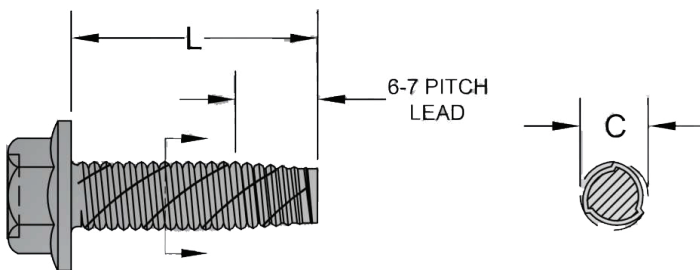
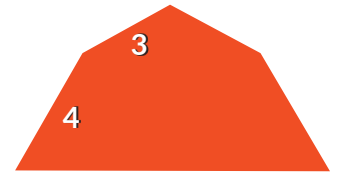
ROLOK® HS®

Thread Rolling Fastener for High Strength Steels

Semblem's innovative Rolok HS® design has been specifically developed for the joining of high strength steels. Its unique compound thread angle provides exceptional assembly performance while overcoming thread damage and collapse that plague traditional thread rolling screws.

FEATURES & BENEFITS

1. Rolok® spiral lobed feature reduces drive torque
 2. Taper design provides self alignment during installation
 3. Large upper flank angle increases compressive strength and reduces shear loading preventing thread collapse
 4. Narrow lower flank angle allows serviceability with standard machine screws
- ▶ Ability to roll threads into high strength steels between 500-1200 MPa tensile strength
 - ▶ Excellent drive-to-fail ratio
 - ▶ High resistance to vibration loosening
 - ▶ Serviceable with standard machine screws
 - ▶ Perfect for laser cut holes!



A short taper variant (4-5 pitch lead) and custom configurations available upon request.

Rolok HS® hole sizing is application dependent. Please contact EFC for details.

PRODUCT CHARACTERISTICS

SCREW LENGTH (L)	TOLERANCE
Up to 20mm	+0.0/-0.8 mm
Over 20mm to 40mm	+0.0/-1.3 mm
Over 40mm	+0.0/-1.5 mm

SCREW SIZE	CIRCUMSCRIBING DIAMETER (C)	
	MAX	MIN
M3-0.5	3.07	2.97
M4-0.7	4.09	3.93
M5-0.8	5.09	4.94
M6-1.0	6.10	5.95
M8-1.25	8.13	7.98
M10-1.5	10.15	9.98

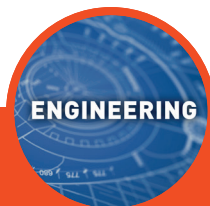
FINISH

A wide variety of coating and plating options are available to meet specific customer requirements for corrosion and joint performance.

HEAT TREATMENT

Case hardening is considered for non-safety critical applications when the mating material is 800 MPa tensile strength or less. All other applications should utilize through hardening with induction hardened lead threads.

Contact EFC for Performance Data.



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