

Tekniskt datablad

Glasfiberstag FiReP



FiReP TIELOCK[®] H60-20

Material			
Fiber	Glass fiber		
Matrix resin	Vinylester		
Surface structure	Continuous thread		
Geometry	Symbol	Unit	Value
Outer diameter	D_a	mm	22.3±0.5
Deep diameter	D_b	mm	19.6±0.5
Pitch	P	mm	10±0.2
Effective tensile stress areas	A_e	mm ²	250
Mechanical properties	Symbol	Unit	Value
Ultimate load	$F_{r,u}$	kN	250
Ultimate strength	f_t	Mpa	1'000
Tensile E-modulus	E	Gpa	45
Strain at failure(average)	ϵ_u	%	2.1
Flexural strength	σ_f	MPa	400
Shear resistance90°	τ	MPa	460
Torsion resistance	T	Nm	90
Fiber content(by weight)	ρ_{rf}	%	75
Weight	g	g/m	685±35
Breaking load thread	Steel Hex Nut L=70mm	$F_{n,u}$	kN 100 ^{*)}

*) The steel accessories are not produced and supplied by FiReP. Accordingly, the client has to bear responsibility for proper quality and tolerances of the accessories