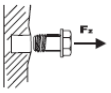
Swisspearl

TUF-S-6XL

Pull-out load F_z (N)

Remarks:
Support ring-Ø 135 mm

Part II 

Part II (blind side)

Material	t_{II} (mm)	Embedment (mm)	Amount of TUF-S per bracket	KL in mm	Test results (N) $F_{z,avg}$	s	TUF-S distance in mm
Swisspearl panel							
	8	5.50	1x		843	32	-
	8	5.50	2x		1358	88	**20**
	12	9.00	1x		2280	115	-

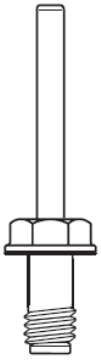
Materials
● Sleeve body:
Stainless steel A4
Material number 1.4401, AISI 316
● Mandrel:
Carbon steel zinced

Head type: Hex., 8mm A/F

Sleeve body: ø = 6,0 mm

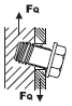
Predrill: ø panel = 6,0 mm
to create with special
SFS drill bit only

Predrill: ø bracket = 6,5 mm



Shear load F_q (N)

$F_{q,avg}$ is measured between a displacement of max 3 mm

Part II  Part I

Part II (blind side) **Part I (setting side)**

Material	t_{II} (mm)	Embedment (mm)	Material grade	t_I (mm)	KL in mm	Test results (N) $F_{q,avg}$	s	TUF-S distance in mm
Swisspearl panel			**Aluminium**					
	8	5.50	AlMg3	3.50	9.00	2541	120	-
	12	9.00	AlMg3	2.00	11.00	4739	191	-

Tensile breaking load Z_b (N)

$Z_b \geq 8.780$ N

Shear breaking load Q_b (N)

$Q_b \geq 6.530$ N

All calculations, measurements, fasteners and design methods have to be verified by a responsible designer or engineer, regarding the corresponding structure and load. Please consult your national norms and approvals.

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