

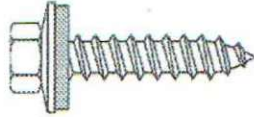
# Technical Values

All indicated values are X Values

# END

Artikel: E-VS A 6.5 x L

Plotting:



Specification of material:  
Case hardened carbon steel

Recommended driving tools:  
600-800 RPM electric screwdriver equipped  
with depth sensing nosepiece to prevent over  
driving and stripout.  
Do not use impact type tools.

**Tensile breaking strength:**



**Shear breaking strength:**



$Z_b$  in N

21.500

$Q_b$  in N

12.500

**Pull-out strength:**

$F_p$  in N  
Thickness in mm  
Steel ST 37 (350 N/mm<sup>2</sup>)

Material	1.0	1.5	2.0	2.5	3.0
Predrill Dia	4.0	4.5	4.9	4.9	5.0
Ave. Pull out	2290	4070	5400	7920	9750

**Pull-over strength:**

$F_o$  in N  
Steel ST 37 (350 N/mm<sup>2</sup>) (Part 2 = 6.0 mm)

Thickness of the sheet in mm (Part 1)	0.50	0.63	0.75	0.88	1.00
Washer $\varnothing$ 16 mm	4060	5500	5920	7720	8490
Washer $\varnothing$ 19 mm	5145	6560	6805	9010	9900

**Traverse strength:**

$F_o$  in N  
Washers  $\varnothing$  16 mm  
Steel ST 37 (350 N/mm<sup>2</sup>)

Part 1	Part 2	$F_o$ in N	Part 1	Part 2	$F_o$ in N
0.63	1.00	3210	0.63	1.50	3410
0.75	1.00	4520	0.75	1.50	4800
1.00	1.00	5040	1.00	1.50	6410

**GUNTRAM END GMBH**

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