

Technical Values

All indicated values are X Values

END

Article: E-VS BOHR 3 5.5 x L

Plotting:



Specification of the material:
hardened carbon steel (SAE 1022)
galvanic zinc plated Zn 10 - 12 bk
DIN 7504 Form K

Tensile breaking strength:



Z_b in N

16000

Shear breaking strength:



Q_b in N

10000

Pull-out strength:

F_z in N
Thickness in mm
Steel ST 37 (350 N/mm²)

2.0	3.0	4.0	5.0	-	-
3400	6300	9300	11500	-	-

Pull over strength:

F_p in N
Steel ST 37 (350 N/mm²) (Part 2)

Thickness of the sheet in mm (Part 1)	0.50	0.63	0.75	0.88	1.00
Washers \varnothing 16 mm	4950	5620	7100	7600	8400
Washers \varnothing 19 mm	5450	6020	7200	7800	8600

Trasverse strength:

F_o in N
Washers \varnothing 16 mm
Steel ST 37 (350 N/mm²)

Part 1	Part 2	F_o in N	Part 1	Part 2	F_o in N
0.63	2.0	3500	1.0	3.0	7300
0.75	3.0	5400	1.5	2.0	10600
1.0	2.0	6800	1.5	3.0	10800

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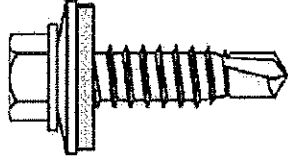
Technical Values

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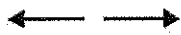
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Article: E-VS 8 BOHR RS 6.3 x L

Plotting:



Specification of the material:
 hardened carbon steel (SAE 1022)
 galvanic zinc plated Zn 10 - 12 bk
 DIN 7504 Form K

Tensile breaking strength: Z_b in N

20'000

Shear breaking strength: Q_b in N

12'000

Pull-out load:

F_p in N
 Thickness in mm
 Steel ST 37 (350 N/mm²)

-	2 x 0.63	2 x 0.75	2 x 1.0	2 x 1.5	-
-	-	1'360	1'990	-	-

Pull over strength:

F_o in N
 Steel ST 37 (350 N/mm²) (Part 2)

Thickness of the sheet in mm (Part 1)					
Washers \varnothing 16 mm					
Washers \varnothing 19 mm					

Traverse strength:

F_o in N
 Washers \varnothing 16 mm
 Steel ST 37 (350 N/mm²)

Part 1	Part 2	F_o in N	Part 1	Part 2	F_o in N
0.75	0.75	3'380	-	-	-
1.00	1.00	4'800	-	-	-
-	-	-	-	-	-

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