Load capacity of ball lock pins / locking pins
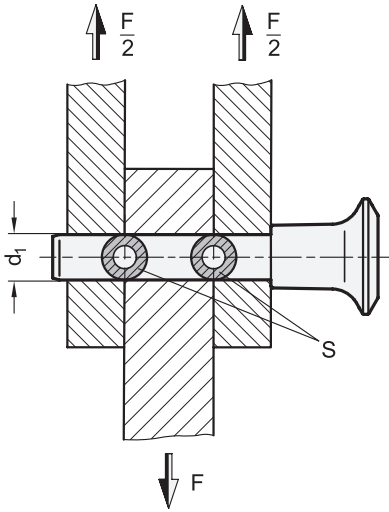double sided shearing resistance

Information

The load capacities specified in the table for the double sided shearing resistance (breaking strength) have been calculated or theoretically defined on the basis of DIN 50141.

At the same time, the endangered bolt cross-section S, according to a nearby sketch, was considered in two shear planes before breakage.

The values were arrived at by a series of tests whereby a limited number of levelling feet were subjected for a limited time to a vertical static load to the feet. In general, they do not constitute a warranty of condition.

The user must determine whether the product is suitable for the intended purpose. Environmental factors can influence the specified values.

Load capacity F in kN ≈ double sided shearing resistance according to DIN 50141 (breaking strength).

Ball lock pins

Load capacity F in kN ≈ double sided shearing resistance acc. DIN 50141 (breaking strength)

d_1 Pin diameter	GN 113.3	GN 113.4	GN 113.5	GN 113.6	GN 113.7	GN 113.8	GN 113.9	GN 113.10
5	14	24	14	24	14	24	14	24
6	21	35	21	35	21	35	21	35
8	38	63	38	63	38	63	38	63
10	60	100	60	100	60	100	60	100
12	87	144	87	144	87	144	87	144
16	155	257	155	257	155	257	155	257
20	244	403	-	-	-	-	244	403
25	-	-	-	-	-	-	386	631

Lock pins

Load capacity F in kN ≈ double sided shearing resistance acc. DIN 50141 (breaking strength)

d_1 Pin diameter	GN 114.2	GN 114.3	GN 114.6	GN 214.2	GN 214.3	GN 214.6	GN 124.1	GN 124.2
6	14	17	17	14	17	17	22	22
8	28	35	35	28	35	35	40	40
10	38	47	47	38	47	47	62	62
12	61	75	75	61	75	75	90	90
16	113	138	138	113	138	138	-	-
20	187	228	228	-	-	-	-	-