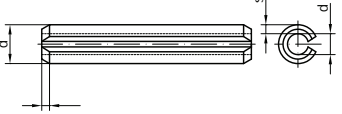



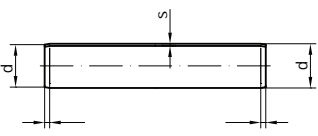


Dimensions for pins

Spring-type straight pins

DIN (ISO)	Dimensions	1	1.5	2	2.5	3	3.5	4	4.5	5
1481  up to 6mm nominal diameter	a ISO min	0.15	0.25	0.35	0.4	0.5	0.6	0.65	0.8	0.9
	d _{1 max} ¹⁾	1.3	1.8	2.4	2.9	3.5	4	4.6	5.1	5.6
	d ₂ ¹⁾	0.8	1.1	1.5	1.8	2.1	2.3	2.8	2.9	3.4
	s	0.2	0.3	0.4	0.5	0.6	0.75	0.8	1	1
	shear strength ²⁾	0.7	1.58	2.82	4.38	6.32	9.06	11.24	15.36	17.54
from 8mm nominal diameter	Dimensions	6	7*	8	9*	10	12	13	14	16
	a ISO min	1.2	1.8	2	2	2	2	2	2	2
	d _{1 max} ¹⁾	6.7	7.8	8.8	9.5	10.8	12.8	13.8	14.8	16.8
	d ₂ ¹⁾	3.9	4	5.5	6	6.5	7.5	8.5	8.5	10.5
	s	1.25	1.5	1.5	2	2	2.5	2.5	3	3
	shear strength ²⁾	26.04	-	42.76	-	70.16	104.1	115.12	144.7	171.0
(8752) 	Dimensions	18	20	21	25	28	30	35	40	
	a ISO min	2	3	3	3	3	3	3	4	
	d _{1 max} ¹⁾	16.9	20.9	21.9	25.9	28.9	30.9	35.9	40.9	
	d ₂ ¹⁾	11.5	12.5	13.5	15.5	17.5	18.5	221.5	25.5	
	s	3.5	4	4	5	5.5	6	7	7.5	
	shear strength ²⁾	222.5	280.6	298.2	438.5	542.6	631.4	859.0	1068	

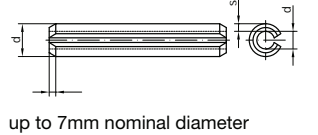
¹⁾ dimensions before installation
²⁾ shear strength, double kN
 * Intermediate sizes not included in the standard

DIN (ISO)	Dimensions	1	1.5	2	2.5	3	3.5	4
7343 (8750) 	a	0.3	0.5	0.7	0.8	1	1.2	1.3
	s	0.08	0.13	0.17	0.21	0.25	0.29	0.33
	d ₁ ¹⁾	1.1	1.62	2.15	2.65	3.15	3.67	4.2
	d ₂ ¹⁾	0.95	1.4	1.9	2.35	2.85	3.35	3.8
	shear strength ²⁾	0.6	1.45	2.5	3.9	5.5	7.5	9.6
	Dimensions	5	6	8	10	12	14	16
	a	1.7	2	3	3	4	4.5	5
	s	0.42	0.5	0.67	0.84	1	1.2	1.3
	d ₁ ¹⁾	5.25	6.25	8.35	10.45	12.5	14.55	16.55
	d ₂ ¹⁾	4.8	5.8	7.75	9.6	11.5	13.5	15.4
	shear strength ²⁾	15	22	39	62	89	120	155

¹⁾ dimensions before installation
²⁾ shear strength, double kN

DIN (ISO)	Dimensions	1.5	2	2.5	3	4	5	6	8 ³⁾
7344 (8748) 	a	0.5	0.7	0.8	1	1.3	1.7	2	2
	s	0.17	0.22	0.28	0.33	0.45	0.56	0.67	0.90
	d ₁ ¹⁾	1.6	2.1	2.6	3.12	4.15	5.15	6.25	8.25
	d ₂ ¹⁾	1.4	1.9	2.35	2.85	3.8	4.8	5.8	7.80
	shear strength ²⁾	1.9	3.5	5.5	7.6	13.5	20	30	53

¹⁾ dimensions before installation
²⁾ shear strength, double kN
³⁾ intermediate sizes not included in the standard

DIN (ISO)	Dimensions	2	2.5	3	4	5	6
7346 (13337)  up to 7mm nominal diameter	a	0.2	0.25	0.25	0.5	0.5	0.7
	d ₁ ¹⁾	2.3	2.8	3.3	4.4	5.4	6.4
	d ₂ ¹⁾	1.9	2.3	2.7	3.4	4.4	4.9
	s	0.2	0.25	0.3	0.5	0.5	0.75
	shear strength ²⁾	1.5	2.4	3.5	8	10.4	18
from 8mm nominal diameter	Dimensions	8	10	12	13	16	21
	a	1.5	2	2	2	2	2
	d ₁ ¹⁾	8.5	10.5	12.5	13.5	16.5	21.5
	d ₂ ¹⁾	7	8.5	10.5	11	13.5	17.5
	s	0.75	1	1	1.25	1.5	2
	shear strength ²⁾	24	40	48	66	98	168

¹⁾ dimensions before installation
²⁾ shear strength, double kN