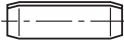
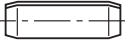
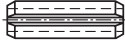
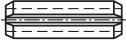
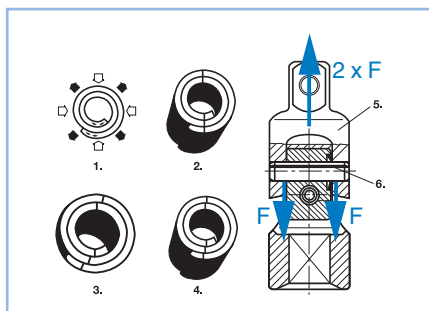


Shear loads for pins

Static shear loads for spring-pin joints

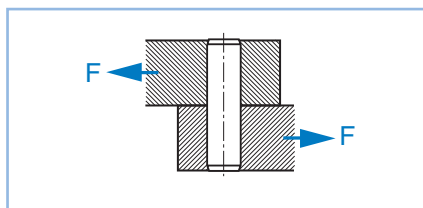
Ø-nominal [mm]	Shear force F min. [kN]			
	Spiral spring pins		Slotted spring pins	
	standard duty according to ISO 8750	heavy duty according to ISO 8748	heavy duty according to ISO 8752	light duty according to ISO 13337
			up to 8 mm Ø-nominal  from 10 mm Ø-nominal 	up to 8 mm Ø-nominal  from 10 mm Ø-nominal 
	Spring steel hardened and tempered 420 to 545 HV		Spring steel hardened and tempered 420 to 560 HV	
0,8	0,2	–	–	–
1	0,3	–	0,35	–
1,2	0,45	–	–	–
1,5	0,72	0,95	0,79	–
2	1,25	1,75	1,41	0,75
2,5	1,95	2,75	2,19	1,2
3	2,25	3,8	3,16	1,75
3,5	3,75	–	4,53	2,3
4	4,8	6,75	5,62	4
4,5	–	–	7,68	4,4
5	7,5	10	8,77	5,2
6	11	15	13	9
8	19,5	26,5	21,38	12
10	31	42	35,08	20
12	44,5	60	52,07	24
13	–	–	57,55	33
14	60	82,5	72,36	42
16	77,5	105	85,51	49
18	–	–	111,27	63
20	125	170	140,32	79

Spiral spring pins

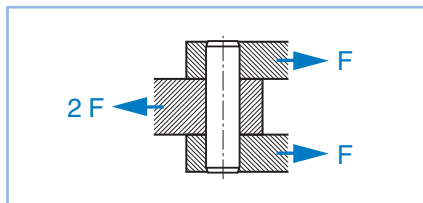


1. Radial elasticity in schematic representation
2. Pin before inserting
3. Inserted pin
4. Pin knocked out with coils reverted to original position
5. Universal joint for socket wrench
6. Spiral pin

Single lap joint



Double lap joint



Slotted spring pins positioning

