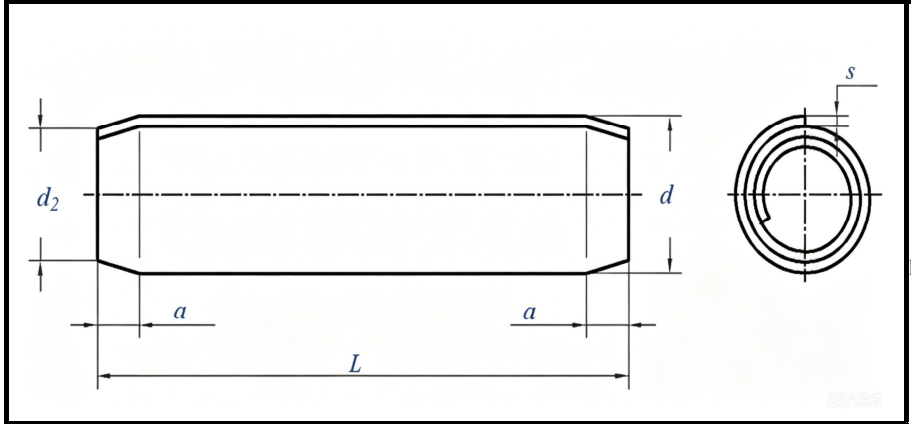
DIN EN ISO 8751-2007
弹性圆柱销 卷制 轻型
Spiing-type straight pins-Coiled,light duty

Amendant record:
DIN EN 28751:1992-10
DIN EN 8751:1998-03



Both ends need to be chamfered by pressing.

Table 1 — Dimensions

nominal diameter *d*		Φ1.5	Φ2	Φ2.5	Φ3	Φ3.5	Φ4	Φ5	Φ6	Φ8
d	Max (before mounting)	1.75	2.28	2.82	3.35	3.87	4.45	5.5	6.55	8.65
	min (before mounting)	1.62	2.13	2.65	3.15	3.67	4.2	5.2	6.25	8.3
d_2	Max (before mounting)	1.4	1.9	2.4	2.9	3.4	3.9	4.85	5.85	7.8
a	≈	0.5	0.7	0.7	0.9	1	1.1	1.3	1.5	2
s		0.08	0.11	0.14	0.17	0.19	0.22	0.28	0.33	0.45
Minmum sheear strength, double, kN ①	1)	0.8	1.5	2.3	3.3	4.5	5.7	9	13	23
	2)	0.65	1	1.8	2.5	3.4	4.4	7	10	18

①, 1) Applies to steel and martensitic corrosion resistant steel products.
2) Applies to austenitic stainless steel products.
●length tolerance $L \leqslant 10 = \pm 0.25$ $10 < L \leqslant 50 = \pm 0.5$ $50 < L \leqslant 200 = \pm 0.75$
Length options are detailed in ISO8751.Customized non-standard products

Table 2 — Requirements and reference International Standards

	steel		Austenitic stainless steel	Martensitic stainless steel
Material②	St (Selected by the manufacturer)		A	C
	Chemical composition limits (check analysis)%			
	All pin diameters	Alternative for pin diameters $d_1 >$ 12mm		
	C≥0.64 Mn≥0.6 Si≥1.50 Cr:③ P≤0.04 S≤0.05	C≥0.38 Mn≥0.70 Si≥0.2 Cr≥0.80 V≥0.15 P≤0.035 S≤0.04	C≤0.15 Mn≤2.00 Si≤1.50 Cr:16～20 Ni:6～12 P≤0.045 S≤0.03 Mo≤0.8 Coid worked	C≥0.15 Mn≤1.00 Si≤1.00 Cr:11.5～14 Ni≤1.00 P≤0.04 S≤0.03 Hardened and tempered to a Vickers hardness of: 460-560HV30
	Hardened and tempered to a Vickers hardness of: 420 HV to 545 HV			
Surface condition	Plain, i.e. pins to be supplied in natural finish, treated with a protective lubricant,unless otherwise specified by agreementbe tween customer and supplier. If pins are surface coated appropriate plating or coating processes should be employed to avoid hydrogen embrittlement. When pins are electroplated or phosphate-coated, they shall be suitably treated immediately after plating or coating to obviate detrimental hydrogen embrittlement although freedom from hydrogen embrittlement is not absolutely guaranteed (see ISO 4042). All tolerances shall apply prior to the application of a plating or coating.		Ptain, i.e. pins to be supplied in natural finish.	
Applicatio	The diameter of the hole into which the spring pin is to be inserted shall be equal to the nominal diameterd, of the mating pin and to tolerance class H12.			
Shear strength test	Test shall be in accordance with ISO 8749			

② Other materials as agreed between customer and supplier;
③ Use of Cr is optional.