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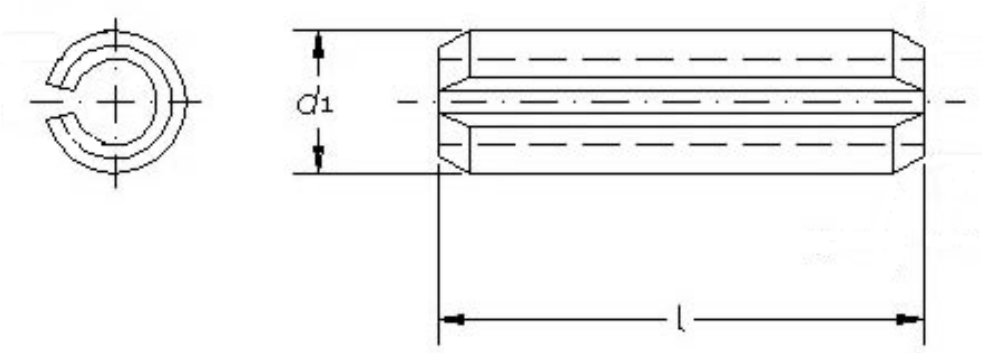
SPRING PINS/SLOTTED PINS ISO 8752

Slotted spring pins to ISO 8752 consist of a single coil of spring steel or stainless steel with an open slot sufficiently wide to enable the pin to reduce in diameter as it is driven into a hole of appropriate size. The ends of the pin have a bevelled chamfer. They are designed for plain drilled holes but a countersink makes assembly easier, especially for the ISO 8752 type. It is possible to increase the shear strength of slotted pins by inserting a small diameter inside a large one. This should always be done by inserting the larger pin first, then inserting the smaller one, taking care that the slot is between 90° and 180° away from the slot in the larger pin.
Available in spring steel to CS70/AISI 1070/C67, spring steel to CS70/AISI 1070/C67 Zinc & De-Embrittled and Stainless Steel A2 AISI 304.



Nominal Dia.	Expanded Dia.		Recommended hole size (H12)		Material thickness	Minimum double shear strengths tested to ISO8749 kN	
	Min.	Max.	Min.	Max.		Carbon steel	Stainless Steel
1	1.20	1.30	1.00	1.10	0.20	0.70	0.40
1.5	1.70	1.80	1.50	1.60	0.30	1.58	0.98
2	2.30	2.40	2.00	2.10	0.40	2.82	1.81
2.5	2.80	2.90	2.50	2.60	0.50	4.38	2.84
3	3.30	3.50	3.00	3.10	0.60	6.32	4.07
3.5	3.80	4.00	3.50	3.62	0.70	9.06	5.80
4	4.40	4.60	4.00	4.12	0.80	11.24	7.25
5	5.40	5.60	5.00	5.12	1.00	17.54	10.75
6	6.40	6.70	6.00	6.12	1.20	26.04	16.17
7	7.45	7.75	7.00	7.15	1.20	30.00	-

Nominal Dia.	Expanded Dia.		Recommended hole size (H12)		Material thickness	Minimum double shear strengths tested to ISO8749 kN	
	Min.	Max.	Min.	Max.		Carbon steel	Stainless Steel
8	8.50	8.80	8.00	8.15	1.50	42.76	26.46
10	10.50	10.80	10.00	10.15	2.00	70.16	42.14
12	12.50	12.80	12.00	12.18	2.50	104.10	-
14	14.50	14.80	14.00	14.18	3.00	144.70	-
16	16.50	16.80	16.00	16.18	3.00	171.00	-
20	20.50	20.90	20.00	20.21	4.00	280.00	-

Suitable combination of pins to ISO 8752									
Outer Pin	3.5	5	6	8	10	12	14	16	20
Inner Pin	2	3	3.5	5	6	7	8	10	12

All dimension’s in mm