SPIROL®

SPECIAL COILED SPRING PINS

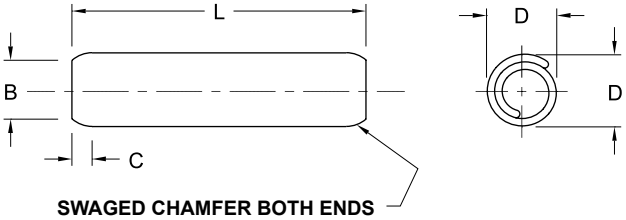
SPIROL® SERIES 500 EXTRA LIGHT DUTY PINS

These pins were specifically designed for use in soft or fragile materials. The 1½ coil formation ensures that the radial force exerted against the hole wall does not exceed the strength of the hole material to prevent deformation. These pins are also an economical solution where pin strength is not a major design consideration. Typical applications for Series 500 Pins include: hinge pins in plastic or ceramic assemblies, alignment pins, and fastening applications where the hole is close to an edge of an assembly component.

MATERIAL
B High Carbon Steel
C Chrome Stainless Steel
D Nickel Stainless Steel

FINISHES
K Plain, oiled
P Passivated, oiled
R Phosphate coated
T Zinc Plated

PIN DUTIES
XL Extra Light



DIMENSIONAL DATA — METRIC

NOMINAL PIN SIZE	PIN DIAMETER D		CHAMFER B DIA.	CHAMFER C LENGTH	RECOMMENDED HOLE SIZE		DOUBLE SHEAR STRENGTH kN MIN. HIGH CARBON / CHROME STAINLESS STEEL	DOUBLE SHEAR STRENGTH kN MIN. NICKEL STAINLESS STEEL	LENGTHS L TOLERANCE ± .050
	MAX.	MIN.	MAX.	REF.	MAX.	MIN.			
2.5	2.87	2.65	2.4	0.7	2.6	2.49	1	0.75	10 to 24
3	3.4	3.15	2.9	0.9	3.1	2.99	1.5	1.15	12 to 30
4	4.5	4.2	3.9	1.1	4.12	3.98	2.8	2.1	16 to 40
5	5.57	5.25	4.85	1.3	5.12	4.95	4	3	20 to 45
6	6.72	6.25	5.85	1.5	6.13	5.95	6	4.6	24 to 50

DIMENSIONAL DATA — INCH

NOMINAL PIN SIZE		PIN DIAMETER D		CHAMFER B DIA.	CHAMFER C LENGTH	RECOMMENDED HOLE SIZE		DOUBLE SHEAR STRENGTH LBS. MIN. HIGH CARBON / CHROME STAINLESS STEEL	DOUBLE SHEAR STRENGTH LBS. MIN. NICKEL STAINLESS STEEL	LENGTHS L TOLERANCE ± .010
		MAX.	MIN.	MAX.	REF.	MAX.	MIN.			
.094	**3/32**	.108	.099	.091	.038	.097	.093	225	175	.375 to 1.000
.125	**1/8**	.141	.131	.121	.044	.129	.124	400	300	.500 to 1.250
.156	**5/32**	.174	.163	.152	.048	.160	.155	620	480	.625 to 1.750
.187	**3/16**	.210	.196	.182	.055	.192	.186	900	700	.750 to 1.750
.250	**1/4**	.276	.260	.243	.065	.256	.247	1600	1200	1.000 to 2.000

Specifications on other metric and inch diameters and lengths are available on request.

All special Coiled Pins are subject to minimum order quantities.

Innovative Fastening Solutions. Lower Assembly Costs.

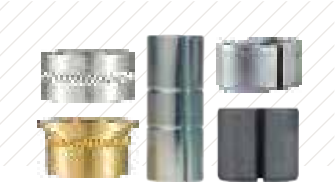
Coiled Spring Pins

Slotted Spring Pins

Solid Pins

Alignment Dowels / Bushings

Spacers & Rolled Tubular Components



Compression Limiters

Threaded Inserts for Plastics

Disc Springs

Machined Aerospace Components

Precision Shims, Washers & Metal Gaskets

Laminated Shims

Parts Feeding Technology

Pin Installation Technology

Insert Installation Technology

Compression Limiter Installation Technology

*Please refer to **www.SPIROL.com** for current specifications and standard product offerings.*

SPIROL offers complimentary Application Engineering support! We will assist on new designs as well as help resolve issues, and recommend cost savings on existing designs. Let us help by visiting **Application Engineering Services** on **SPIROL.com**.

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