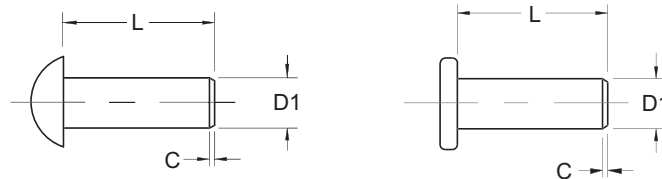


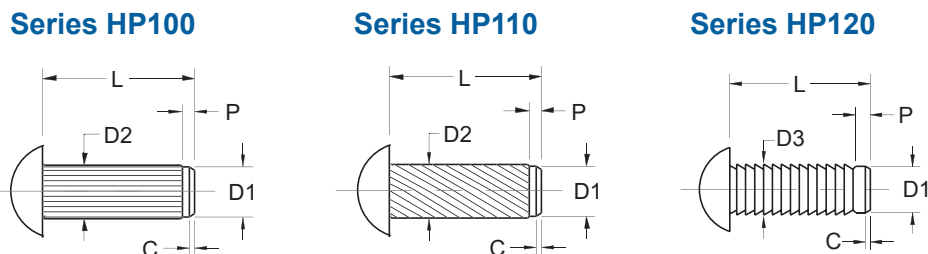
# SPIROL® PRE-DESIGNED SPECIALS

**Spirol® Headed Straight Pins and Round Headed Drive Studs** are pre-designed products made to order. Our **headed straight pins** are produced with the same uniformity and high CPK as our Series DP100 straight pins. Headed pins are used as axles or hinge pins when movement in one direction must be limited. **Round headed drive studs** are alternatives to our flat headed standards shown on page 3.

## Headed Straight Pins



## Round Headed Drive Studs



Stud Size	INCH SPECIFICATIONS											METRIC SPECIFICATIONS								
	#0	#2	#4	#6	#7	#8	#10	#12	#14	#16	1.4	1.6	2	2.5	3	4	5	6		
Diameter "D1"	Min. .065 Max. .067	.084 .086	.102 .104	.118 .120	.134 .136	.142 .144	.159 .161	.194 .196	.219 .221	.248 .250	Min. 1.35 Max. 1.4	1.55 1.6	1.95 2	2.45 2.5	2.95 3	3.95 4	4.95 5	5.95 6		
Diameter "D2"	Min. .072 Max. .076	.093 .097	.112 .116	.129 .133	.145 .149	.154 .158	.171 .175	.205 .209	.230 .234	.259 .263	Min. 1.53 Max. 1.63	1.73 1.83	2.20 2.30	2.70 2.80	3.25 3.35	4.25 4.35	5.25 5.35	6.25 6.35		
Diameter "D3"	Min. .077 Max. .081	.096 .100	.118 .123	.134 .139	.150 .155	.158 .163	.175 .180	.210 .215	.235 .240	.264 .270	Min. 1.60 Max. 1.70	1.80 1.90	2.36 2.46	2.86 2.96	3.36 3.46	4.36 4.46	5.36 5.46	6.36 6.46		
Head Diameter	Min. .120 Max. .130	.146 .162	.193 .211	.240 .260	.267 .285	.287 .309	.334 .359	.382 .408	.429 .457	.443 .472	Min. 2.20 Max. 2.60	2.60 3.00	3.30 3.70	4.20 4.60	4.95 5.45	6.75 7.25	8.50 9.10	10.2 10.8		
Round Head Thickness	Min. .040 Max. .050	.059 .070	.075 .086	.091 .103	.099 .111	.107 .119	.124 .136	.140 .152	.156 .169	.161 .174	Min. 0.70 Max. 0.90	0.90 1.10	1.10 1.30	1.40 1.60	1.65 1.95	2.25 2.55	2.85 3.15	3.45 3.75		
Flat Head Thickness	Min. .017 Max. .027	.024 .035	.030 .041	.034 .046	.039 .051	.042 .054	.048 .060	.059 .071	.068 .081	.077 .090	Min. 0.35 Max. 0.55	0.45 0.65	0.55 0.75	0.70 0.90	0.90 1.20	1.20 1.50	1.50 1.80	1.90 2.20		
Chamfer "C"	Min. .005	.005	.005	.005	.005	.005	.016	.016	.016	.016	Min. 0.15	0.15	0.15	0.15	0.15	0.4	0.4	0.4		
Pilot Length "P"	Ref. .031	.031	.031	.031	.062	.062	.062	.062	.062	.062	Ref. 1	1	1	1	1	2	2	2		
Pin Length "L"	.188 to .625	.188 to 1.000	.188 to 1.250	.250 to 1.500	.250 to 1.500	.313 to 1.500	.375 to 1.500	.375 to 2.000	.500 to 2.250	.500 to 2.500	5 to 16	5 to 16	5 to 20	5 to 26	6 to 30	8 to 40	8 to 50	10 to 60		
Stud Length "L"	.188 to .313	.250 to .375	.250 to .375	.313 to .500	.375 to .625	.375 to .625	.500 to .750	.500 to .750	.625 to .750	.625 to .750	5 to 8	5 to 8	6 to 10	6 to 10	8 to 12	10 to 16	12 to 20	16 to 20		
	Length Tolerance ± .010											Length Tolerance ± 0.25								
Rec. Drill Size		51	44	37	31	29	27	20	9	2	1/4		1.4	1.6	2.0	2.5	3.0	4.0	5.0	6.0
Recommended Hole	Min. .0670 Max. .0686	.0860 .0877	.1040 .1059	.1200 .1220	.1360 .1382	.1440 .1463	.1610 .1636	.1960 .1990	.2210 .2240	.2500 .2534	Min. 1.4 Max. 1.46	1.6 1.66	2.0 2.06	2.5 2.56	3.0 3.06	4.0 4.08	5.0 5.08	6.0 6.08		

- ⊙ These recommended hole diameters are for the Round Headed Drive Studs. The recommended hole diameters for the Headed Straight Pins will vary depending on the host material. Contact Spirol's Application Engineering Department for a recommended hole based on your specific application.
- ⊙ Recommended material: Low Carbon Steel (F) and Austenitic Stainless Steel (D).
- ⊙ Dimensions apply before plating.

### Part Number Code

TO ORDER: SLDP (Pin/Stud Size)x(Length)(Material)(Finish)(Pin/Stud Series Number)  
 EXAMPLE: SLDP #12 x .625 FK HP110

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Lower assembly costs.



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**SPIROL** Application Engineers will review your application needs and work with your design team to recommend the best solution. One way to start the process is to visit our **Optimal Application Engineering** portal at [www.SPIROL.com](http://www.SPIROL.com).

**U.S.A. Spirol International Corporation**  
30 Rock Avenue  
Danielson, Connecticut 06239  
Tel. +1 (1) 860.774.8571  
Fax. +1 (1) 860.774.2048

**Spirol West Inc.**  
1950 Compton Avenue, Unit 111  
Corona, California 92881-6471  
Tel. +1 (1) 951.273.5900  
Fax. +1 (1) 951.273.5907

**Spirol International Corporation  
Shim Division**  
321 Remington Road  
Stow, Ohio 44224  
Tel. +1 (1) 330.920.3655  
Fax. +1 (1) 330.920.3659

**Spirol Distribution**  
(For Distributor Customers)  
30 Rock Avenue  
Danielson, Connecticut 06239  
Tel. +1 (1) 860.774.8571  
Fax. +1 (1) 860.774.0487

**Canada Spirol Industries, Ltd.**  
3103 St. Etienne Boulevard  
Windsor, Ontario  
Canada N8W 5B1  
Tel. +1 (1) 519.974.3334  
Fax. +1 (1) 519.974.6550

**Mexico Spirol México, S.A. de C.V.**  
Carretera a Laredo KM 16.5 Interior E  
Col. Moisés Saenz  
Apodaca, N.L. 66613 México  
ó Apdo. Postal 151 de Apodaca, N.L.  
Tel. +52 (01) 81 8385 4390  
Fax. +52 (01) 81 8385 4391

**Europe Spirol Industries, Ltd.**  
Princewood Road  
Corby, Northants  
England NN17 4ET  
Tel. +44 (0) 1536 444800  
Fax. +44 (0) 1536 203415  
(UK Distributors: Tel. 0800 3890034)

**Spirol SAS**  
Rue Henri Rol Tanguy  
Z.A. Les Naux  
51450 Bétheny - Reims  
France  
Tel. +33 (0) 3 26 36 31 42  
Fax. +33 (0) 3 26 09 19 76

**Spirol GmbH**  
Briener Strasse 9  
80333 Munich  
Germany  
Tel. +49 (0) 931 454 670 74  
Fax. +49 (0) 931 454 670 75

**Asia Pacific Spirol International Engineered  
Fastener Trading Co. Ltd.**  
No. 11 Xi Ya Rd. North  
Section A, 1F, Building 14  
Wai Gao Qiao Free Trade Zone  
Shanghai, China 200131  
Tel. +86 (0) 21 5046-1451/1452  
Fax. +86 (0) 21 5046-1540

e-mail: [info@spirol.com](mailto:info@spirol.com)

[www.SPIROL.com](http://www.SPIROL.com)