

# SHORT SERIES FLEXIBLE HELICAL COUPLINGS



SPLIT HUB TYPE  
ZERO BACKLASH

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



**> MATERIAL:**

**Coupling** - 7075-T6 Aluminum  
**Cap Screw** - Alloy Steel

**> FINISH:**

Clear Anodized

**> MISALIGNMENT COMPENSATION:**

**Max. Angular Offset:** 5°  
**Max. Lateral Offset:** .010  
**Max. Axial Motion:** ± .010

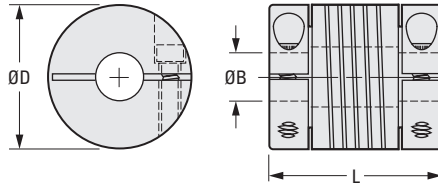
**> FEATURES:**

One-piece construction.  
Integral clamp.  
Shaft relief.  
Nonmagnetic.  
Constant velocity.



For NONREVERSING applications, the torque rating is 1/2.  
For REVERSING applications, the torque rating is 1/4.

Bore diameter combinations are available on special order.



## INCH COMPONENT

Catalog Number	D O.D.	B Bore +.002 -.000	L Length ± .01	Screw Size	Momentary* Dynamic Torque lbf in.	Torsional Deflection Arc Min. / lbf in.	Inertia Δ x 10 <sup>-5</sup> lbf in. sec. <sup>2</sup>
S50HAA-037H0303	3/8	.094	.56	#0-80	1.2	252	.025
S50HAA-050H0303	1/2	.094	.75	#1-72	3.7	58.8	.11
S50HAA-050H0404		.125			3.5	78	
S50HAA-062H0404	5/8	.125	.80	#2-56	7.1	30.6	.28
S50HAA-062H0505		.157			6.7	39.6	
S50HAA-062H0606		.188			6.2	51.6	
S50HAA-075H0404	3/4	.125	.90	#4-40	10	17.4	.66
S50HAA-075H0505		.157			10	21.6	
S50HAA-075H0606		.188			9.8	26.4	
S50HAA-075H0808		.250			8.6	40.8	
S50HAA-087H0606	7/8	.188	1.06	#6-32	19	12	1.5
S50HAA-087H0808		.250			17	16.8	
S50HAA-087H1010		.313			15	24.6	
S50HAA-100H0808	1	.250	1.25	#6-32	27	10.2	3.0
S50HAA-100H1010		.313			24	14.4	
S50HAA-100H1212		.375			22	19.8	
S50HAA-112H0808	1-1/8	.250	1.50	#6-32	43	5.64	5.6
S50HAA-112H1010		.313			40	7.2	
S50HAA-112H1212		.375			37	10.2	
S50HAA-112H1616		.500			28	19.2	

\* Torque listed is maximum momentary value.

Δ Inertia is based on the smallest standard bore diameter.

6-29  
D820

REVISED:  
05/17/23

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