



### Series PS—Precision spline



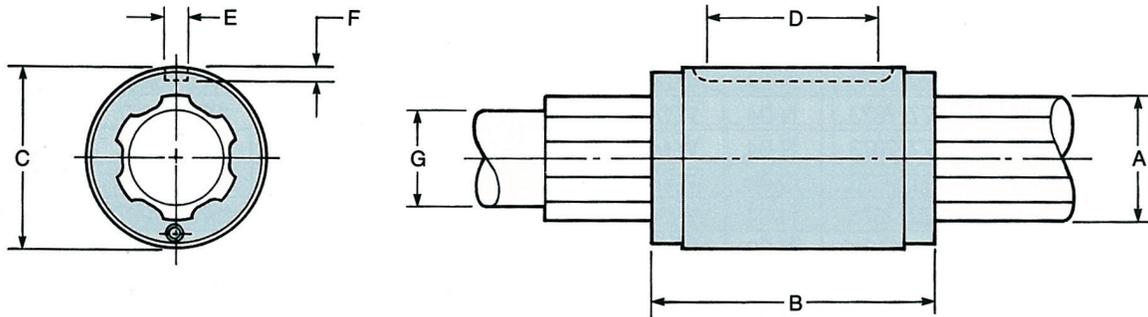
#### Advantages

- Sensitive response
- Compact profile
- Precision ground
- Integral preload capability
- Coefficient of friction 0.001
- Predictable life

#### Rated torque for given travel (lb. in.)

Model No.	10 <sup>6</sup> Inches	10 <sup>7</sup> Inches	10 <sup>8</sup> Inches	Static Torque (lb-ins)
PS-0750	711	330	153	2,250
PS-1000	1,640	761	353	4,695
PS-1500	5,572	2,587	1,200	13,966
PS-2000	11,850	5,500	2,553	27,000
PS-2500	23,830	11,060	5,134	50,390
PS-3000	45,875	21,300	9,883	91,400
PS-4000	111,500	51,770	24,020	201,600

Precision splineways are used for transmitting torque from a rotating shaft to a head or mechanism moving in a linear direction. They provide maximum anti-friction characteristics for smooth and accurate operation in either vertical or horizontal applications.



Model No.	A Inner Race Diameter	B Outer Race Length	C Outer Race Diameter	D Keyway Effective Length	E Keyway Width	F Keyway Depth	G Maximum Diameter Available	Maximum Standard Length
PS-0750	.750	2.060	$\frac{1.1875}{1.1870}$	1.000	$\frac{.188}{.185}$	$\frac{.078}{.068}$	$\frac{.625}{.624}$	48
PS-1000	1.000	2.590	$\frac{1.625}{1.624}$	1.250	$\frac{.251}{.248}$	$\frac{.113}{.103}$	$\frac{.812}{.811}$	48
PS-1500	1.500	3.720	$\frac{2.156}{2.155}$	2.000	$\frac{.313}{.310}$	$\frac{.140}{.130}$	$\frac{1.250}{1.249}$	72
PS-2000	2.000	4.620	$\frac{2.875}{2.874}$	2.500	$\frac{.376}{.373}$	$\frac{.147}{.137}$	$\frac{1.687}{1.686}$	72
PS-2500	2.500	5.780	$\frac{3.500}{3.499}$	2.750	$\frac{.502}{.497}$	$\frac{.215}{.205}$	$\frac{2.125}{2.124}$	72
PS-3000	3.000	7.120	$\frac{4.250}{4.249}$	3.750	$\frac{.502}{.497}$	$\frac{.212}{.202}$	$\frac{2.562}{2.561}$	72
PS-4000	4.000	9.500	$\frac{5.500}{5.498}$	5.000	$\frac{.627}{.622}$	$\frac{.236}{.246}$	$\frac{3.437}{3.436}$	72