

TELESCOPING UNIVERSAL JOINTS



DOUBLE UNIVERSAL WITH BALL SPLINE
ZERO BACKLASH
ACCOMMODATES 1/4" AXIAL MOTION
LOW INERTIA

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



> MATERIAL:

- Body - Fig. 1: 303 Stainless Steel
Fig. 2: 440 Stainless Steel
- Balls - Fig. 1 & 2: 440 Stainless Steel
- Ends and Flanges - Fig. 2: 300 Series Stainless Steel



> LUBRICATION:

Dry film plus oil suspension

> FEATURES:

Zero backlash is attained with patented design and close dimensional control of components. Use where axial motion is present while transmitting rotary motion.



> SPECIFICATIONS:

- Torque Ratings:** For static conditions with in-line loading
- Max. Operating Speed at 0°** - Fig. 1: 10000 rpm
Fig. 2: 4000 rpm
- Max. Angle** - Fig. 1: 60° at 4000 rpm
Fig. 2: 40° at 1800 rpm

Angular relationship between tapped holes, where applicable, may vary freely. Also available on special order: Travel of up to 4" on Fig. 1 units and 6" on Fig. 2 units, telescoping single joints, split hub ends and other bores.

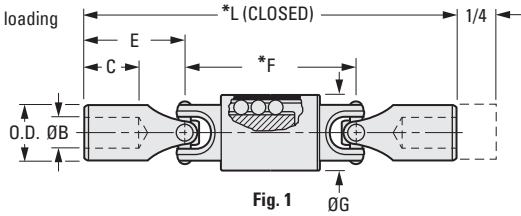


Fig. 1

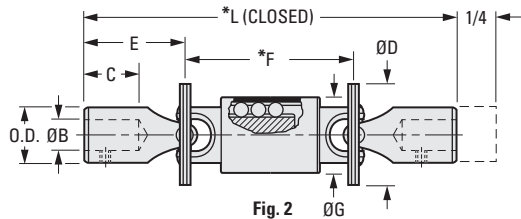


Fig. 2

INCH COMPONENT										
Catalog Number	O.D.	B Bore +.001 -.000	C Bore Depth	E End Unit	F* Center Unit (Closed)	L (Closed)	D Flange Dia.	G Dia. Over Ball Race	Screw Size	Max. Torque at 0° ozf in.
Fig. 1 Miniature										
S57PY4-DUT0306	3/16	.0938	3/16	3/8	3/4	1-1/2	—	.31	Δ	16
S57PY5-DUT0406		.1250						.41		
S57PY5-DUT0609	9/32	.1875	9/32	9/16	15/16	2-1/16	—	.41	Δ	64
S57PY5-DUT0812	3/8	.2500	3/8	3/4	1-1/4	2-3/4	—	.56	—	256
**S57PY5-DUT0812T										
Fig. 2 Inverted										
S57PY4-DFUT0312	3/8	.1875	3/8	3/4	1-1/4	2-3/4	3/4	.56	Δ	256
S57PY4-DFUT0415	1/2	.2500	7/16		1-5/8	3	15/16	.56		320
S57PY4-DFUT0622	3/4	.3750	5/8	1	2-1/4	4-1/4	1-3/8	1.00	1/4-20	480
S57PY4-DFUT0830	1	.5000	7/8	1-5/16	2-1/2	5-1/8	1-7/8	1.50	—	§1200

* Closed dimensions for standard 1/4" of travel.
 ** 1-tapped hole, #6-32, 3/16" from each end. Two set screws installed.
 Δ Set screws available on special order.
 § 4800 ozf in. torque rating available on special order.

