



Fairloc® is completely self-contained and the unique design allows the hub to fully and accurately support the component on the shaft, reducing any motion and misalignment after clamping the hub.

› PROVED MOST EFFECTIVE:

For precision application – Lab tests proved Fairloc® to be superior to all other comparable fasteners. For high torque application – Torques up to 400 lbf in. are obtained with a 5/8" bore Fairloc® hub.

› TYPICAL APPLICATION AREAS FOR FAIRLOC® INCLUDE:

Aerospace Components, Aircraft Instrumentation, Aircraft Fuel Control Systems, Machine Tools, Military Fire Control Systems, Medical Equipment, Surgical Gear Drives, Optical Equipment, Power Transmission Drives.

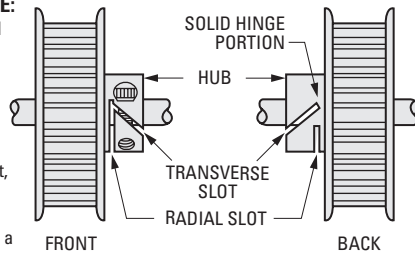
› FEATURES:

Full Use Of The Bore - Gives maximum support to the component, reduces wobble or misalignment.

Easy Adjustment - Fairloc® replaces set screws and clamps, eliminates marred shafts; components can be repositioned with single hex key adjustment.

Compact, Self-Contained Design - When available space or access is limited, Fairloc's® small hub envelope is a distinct advantage.

Very High Reliability



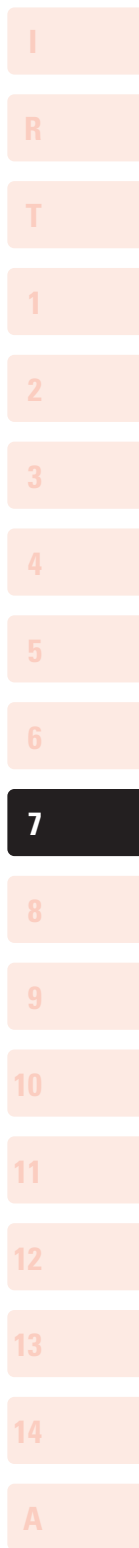
Call on our Engineering Department to discuss the advantages of applying the Fairloc® concept to your designs.

Download our white paper:

<https://info.designatronics.com/fairloc-download-white-paper>

FASTENER SELECTOR GUIDE						Legend
Fastening Method	A	B	C	D	E	
Clamps	Yes	No	No	Yes	No	A – Shaft remains smooth B – Self-contained (no additional inventory) C – Component is fully supported D – Easy adjustment E – Can be pinned if desired
Fairloc®	Yes	Yes	Yes	Yes	Yes	
Keys	No	No	No	No	No	
Pins	No	No	No	No	Yes	
Set Screws	No	No	No	No	Yes	

® Registered trademark



Catalog Series	Unique Features	Material	Bore	Pages
 S57PY5MSU...	Single, Miniature, Zero Backlash	303 Stainless Steel Body, 440 Stainless Steel Balls	Solid 2.5 to 6	7-6
 S57PY5MDU...	Double, Miniature, Zero Backlash	303 Stainless Steel Body, 440 Stainless Steel Balls	2.5 to 6	7-6
 S57PY4MSFU...	Single, Inverted Design, Zero Backlash	303 Stainless Steel Body, 440 Stainless Steel Balls	5 to 14	7-7
 S57PY4MDFU...	Double, Inverted Design, Zero Backlash	303 Stainless Steel Body, 440 Stainless Steel Balls	5 to 14	7-7
 A 5Y 8MDM...	Single, Short Series, Solid and Bored	303 Stainless Steel	Solid 6 to 12	7-8
 A 5Y 8MDU...	Single, Step Down Series	303 Stainless Steel	3 to 6	7-8
 A 5Q 8MD...	Single, Standard Design, Solid and Bored	Alloy Steel	Solid 4 to 14	7-9
 A 5Y 8MDGZ...	Single, Small Series	303 Stainless Steel	3 to 5	7-10

Catalog Series	Unique Features	Material	Bore	Pages
 A 5Q 8MDGZ...	Single, Small Series	4140 Alloy Steel	3 to 5	7-10
 A 5Q 8MDM...	Single, Solid and Bored	Alloy Steel	Solid 6 to 12	7-10
 A 5Q 8MDD...	Double, Slow Speed	Alloy Steel	Solid 4 to 14	7-11
 A 5Q 8MDG...	Double	Carbon Steel Unhardened	6 to 20	7-12
 A 5X 8MSE...	Double, Telescoping, Heat- and Corrosion-Resistant	300 Series SS Joints, 416 Stainless Steel Spline	6 to 14	7-13
 S57PY5MDUT...	Double, Telescoping, Miniature, Ball Spline, Zero Backlash	303 Stainless Steel Body, 440 Stainless Steel Balls	2.5 to 6	7-14
 S57PY4MDFUT...	Double, Telescoping, Inverted Design, Ball Spline, Zero Backlash	440 Stainless Steel Body, 440 Stainless Steel Balls	5 to 14	7-14

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Catalog Series	Unique Features	Material	Bore	Pages
 A 5M 8MD...	Single, Molded, Economy Series	Acetal	3 to 10	7-16
 A 5M 8MDD...	Double, Molded, Economy Series	Acetal	3 to 10	7-16
 A 5T 8MD...	Single, Molded, Brass Spider	Acetal Body, Brass Spider	3 to 10	7-17
 A 5Z 8MD...	Single, Molded, Brass Spider & Inserts	Acetal Body, Brass Spider & Inserts	2 to 8	7-17
 A 5T 8MDD...	Double, Molded, Brass Spider	Acetal Body, Brass Spider	3 to 10	7-18
 A 5Z 8MDD...	Double, Molded, Brass Spider and Inserts	Acetal Body, Brass Spider and Inserts	2 to 8	7-18
 A 5M 8MSE...	Double, Telescoping, Molded, Economy Series	Acetal	4, 6, 8	7-19
 A 5T 8MSE30.	Double, Telescoping, Molded, Brass Spider, 9.5 O.D.	Acetal Body & Extension, Brass Spider	4, 6	7-20

Catalog Series	Unique Features	Material	Bore	Pages
 <p>A 5Z 8MSE30.</p>	Double, Telescoping, Molded, Brass Spider and inserts, 9.5 O.D.	Acetal Body and Extension, Brass Spider and Inserts	3, 4	7-20
 <p>A 5T 8MSE40.</p>	Double, Telescoping, Molded, Brass Spider, 12.7 O.D.	Acetal Body and Extension, Brass Spider	6, 8	7-21
 <p>A 5Z 8MSE40.</p>	Double, Telescoping, Molded, Brass Spider and Inserts, 12.7 O.D.	Acetal Body and Extension, Brass Spider and Inserts	4, 6	7-21
 <p>A 5Z 8MSEB...</p>	Double, Telescoping, Molded, Brass Spider Inserts and Extension	Acetal Body, Brass Spider, Inserts and Extension	2 to 8	7-22

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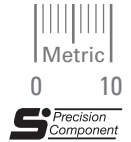
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SINGLE & DOUBLE JOINT
ZERO BACKLASH

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



MATERIAL:

Body - 303 Stainless Steel
Balls - 440 Stainless Steel

LUBRICATION:

Dry Film Plus Oil Suspension

FEATURES:

Zero backlash through use of precision balls and burnished sockets
Sealed-in lubrication
Lightweight
Low inertia

SPECIFICATIONS:

Torque Ratings - For static conditions with in-line loading, maximum load being one which causes joint to yield.

Max. Operating Angle - Fig. 1: 30° @ 4000 rpm
Fig. 2: 60° @ 4000 rpm

Set screws available on special order.

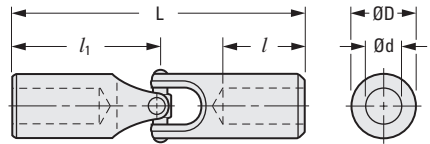


Fig. 1

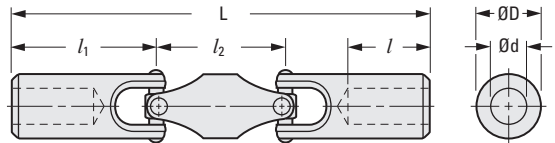


Fig. 2

METRIC COMPONENT

Catalog Number	D Dia.	d Bore +0.013 0	l Bore Depth	l ₁ End Unit	l ₂ Center	L Length	Torque N • m
Fig. 1 Single Joint							
S57PY5MSU0005	4.76	Solid	—	12.7	—	25.4	0.11
S57PY5MSU0205	4.76	2.5	8.7	12.7		25.4	0.11
S57PY5MSU0305		3					
S57PY5MSU0407	7.15	4	11.1	17.5		34.9	0.45
S57PY5MSU0507		5					
S57PY5MSU0510	9.53	5	12.7	22.2		44.5	1.8
S57PY5MSU0610		6					
Fig. 2 Double Joint							
S57PY5MDU0205	4.76	2.5	8.7	12.7	12.7	38.1	0.11
S57PY5MDU0305		3					
S57PY5MDU0407	7.15	4	11.1	17.5	15.9	50.8	0.45
S57PY5MDU0507		5					
S57PY5MDU0510	9.53	5	12.7	22.2	19.1	63.5	1.8
S57PY5MDU0610		6					

SINGLE & DOUBLE JOINT
ZERO BACKLASH

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

➤ **MATERIAL:**

Body - 303 Stainless Steel
Balls - 440 Stainless Steel

➤ **LUBRICATION:**

Dry Film Plus Oil Suspension

➤ **FEATURES:**

Zero backlash is attained with patented design and close dimensional control of components. Torque is transmitted by hardened steel balls operating in burnished sockets. Elastic preload between components eliminates all clearances. Inverted design reduces size and weight for a given torque capacity. Inverted design reduces inertia. Sealed-in lubrication.

➤ **SPECIFICATIONS:**

Torque Ratings - For static conditions with in-line loading.
Max. Operating Speed @ 0°: 4000 rpm
Max. Operating Angle - Fig. 1: 20° @ 2000 rpm
Fig. 2: 40° @ 2000 rpm

Set screws available on special order.

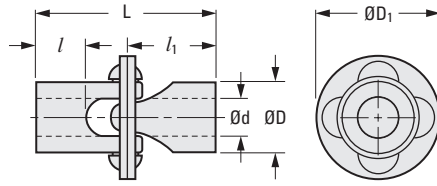
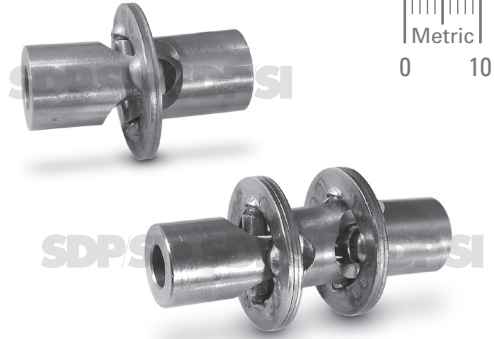


Fig. 1

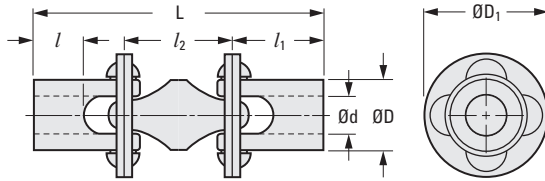


Fig. 2

METRIC COMPONENT

Catalog Number	D Dia.	d Bore +0.025 0	l Bore Depth	l ₁ End Unit	l ₂ Center	L Overall Length	D ₁ Dia.	Torque N • m
Fig. 1 Single Joint								
S57PY4MSFU0519	9.53	5	9.5	19.1	—	38.1	19.1	1.8
S57PY4MSFU0619		6						
S57PY4MSFU0724	12.71	7	11.1	20.7		41.4	23.8	2.3
S57PY4MSFU0824		8						
S57PY4MSFU1035	19.06	10	15.9	25.4		50.8	35.1	3.4
S57PY4MSFU1248	25.41	12	22.2	33.5		66.8	47.8	8.5
S57PY4MSFU1448		14						
Fig. 2 Double Joint								
S57PY4MDFU0519	9.53	5	9.5	19.1	15.9	54.1	19.1	1.8
S57PY4MDFU0619		6						
S57PY4MDFU0724	12.71	7	11.1	20.7	19.9	61.2	23.8	2.3
S57PY4MDFU0824		8						
S57PY4MDFU1035	19.06	10	15.9	25.4	22.2	73.2	35.1	3.4
S57PY4MDFU1248	25.41	12	22.2	33.5	31.8	98.6	47.8	8.5
S57PY4MDFU1448		14						

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SHORT SERIES
STEP-DOWN SERIES

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



► **MATERIAL:**
303 Stainless Steel

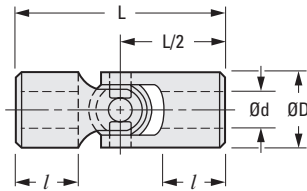


Fig. 1
Short Series

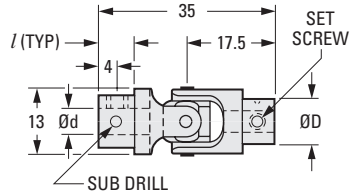


Fig. 2
Step-Down Series

METRIC COMPONENT

Catalog Number	D Dia.	d Bore +0.025 0	l Bore Depth ± 0.8	L Overall Length	Max. Torque N•m	Approx. Weight kg
Fig. 1 Short Series - Solid						
A 5Y 8MDM06	12.5	—	—	40	13	0.03
A 5Y 8MDM08	16			50	25	0.07
A 5Y 8MDM10	20			56	45	0.13
A 5Y 8MDM12	25			71	79	0.23
Fig. 1 Short Series - Bored						
A 5Y 8MDM0606	12.5	6	13	40	13	0.02
A 5Y 8MDM0808	16	8	16.5	50	25	0.06
A 5Y 8MDM1010	20	10	17	56	45	0.09
A 5Y 8MDM1212	25	12	22	71	79	0.18

Catalog Number	D Dia.	d Bore +0.025 0	l	Set Screw	Sub Drill
Fig. 2 Step-Down Series					
A 5Y 8MDU1030	8	3	8	M2.5	0.75
A 5Y 8MDU1040		4			
A 5Y 8MDU3060	13	6	—	M4	1.8

NOTE: Step-Down Series Universal Joints will operate at angles up to 30°.



› **MATERIAL:**

Alloy Steel

› **SPECIFICATIONS:**

Max. Working Angle - Power Driven Applications: 25°
Hand Rotation Applications: 45°

Rating - Multiply design torque by correction factor obtained from following tables. Resulting number must be smaller than the breaking torque of the joint used.



Intermittent Running Conditions

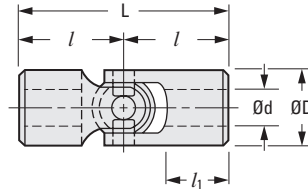
Speed rpm	Angle of Operation - Degrees									
	0	3	5	7	10	15	20	25	30	
1800	9	20	34	45	—	—	—	—	—	
1500	8	16	28	39	—	—	—	—	—	
1200	7	13	22	32	40	—	—	—	—	
900	6	11	16	23	34	—	—	—	—	
600	5	8	11	15	22	34	40	—	—	
300	4	5	7	8	11	16	22	28	34	
100	3	4	4	5	6	8	9	11	12	

Running under load for less than 15 minutes.

Continuous Running Conditions

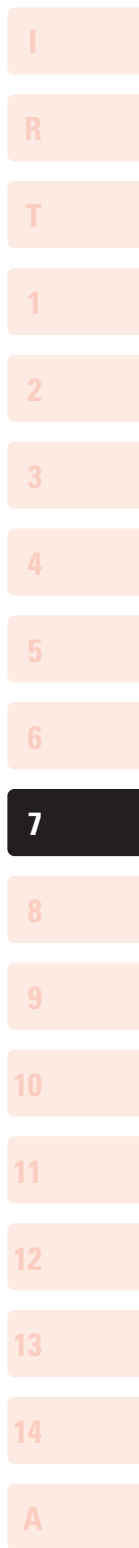
Speed rpm	Angle of Operation - Degrees									
	0	3	5	7	10	15	20	25	30	
1800	18	40	68	90	—	—	—	—	—	
1500	16	32	55	78	—	—	—	—	—	
1200	14	26	44	64	80	—	—	—	—	
900	12	21	32	46	68	—	—	—	—	
600	10	15	22	30	44	68	80	—	—	
300	8	10	14	16	22	32	44	55	68	
100	6	7	8	10	12	15	18	22	24	

Running under load from 15 minutes to 8 hours.



METRIC COMPONENT

Catalog Number	D Dia.	d Bore +0.025 0	l ₁ Bore Depth ± 0.8	l	L Overall Length	Static Breaking Torque N • m	Approx. Weight kg
Solid							
A 5Q 8MD100	9.5	—	—	22.2	44.4	12	0.023
A 5Q 8MD200	12.7			25.4	50.8	43	0.045
A 5Q 8MD300	15.9			28.6	57.2	61	0.077
A 5Q 8MD400	19.1			34.1	68.2	87	0.136
A 5Q 8MD500	22.2			38.1	76.2	133	0.204
Bored							
A 5Q 8MD104	9.5	4	14	22.2	44.4	12	0.018
A 5Q 8MD106		6					
A 5Q 8MD206	12.7	6	16	25.4	50.8	43	0.036
A 5Q 8MD208		8					
A 5Q 8MD210		10					
A 5Q 8MD308	15.9	8	17	28.6	57.2	61	0.068
A 5Q 8MD310		10					
A 5Q 8MD312		12					
A 5Q 8MD314		14					
A 5Q 8MD410	19.1	10	22	34.1	68.2	87	0.113
A 5Q 8MD412		12					
A 5Q 8MD414		14					
A 5Q 8MD512	22.2	12	22	38.1	76.2	133	0.168
A 5Q 8MD514		14					



UNIVERSAL JOINTS • SINGLE JOINT

SDP/SI

SMALL SERIES
METRIC STANDARD

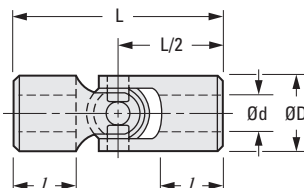
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MATERIAL:

- 303 Stainless Steel
- 4140 Alloy Steel
- Alloy Steel



METRIC COMPONENT

Catalog Number	D Dia.	d Bore +0.05 0	l Bore Depth	L Overall Length	Static Breaking Torque N•m	Approx. Weight g
Small Series - 4140 Alloy Steel						
A 5Q 8MDGZ1030	6	3	9.3	29	5.1	5
A 5Q 8MDGZ2040	8	4	12.5	38	12.8	9.4
Small Series - 303 Stainless Steel						
A 5Y 8MDGZ1030	6	3	9.3	29	5.1	5
A 5Y 8MDGZ2040	8	4	12.5	38	12.8	9.4

Catalog Number	D Dia.	d Bore +0.025 0	l Bore Depth ± 0.8	L Overall Length	Approx. Weight kg
Metric Standard - Alloy Steel Solid					
A 5Q 8MDM06	12	—	—	50	0.043
A 5Q 8MDM08	16			56	0.079
A 5Q 8MDM10	20			68	0.142
A 5Q 8MDM12	24			84	0.255
Metric Standard - Alloy Steel Bored					
A 5Q 8MDM0606	12	6	16.5	50	0.037
A 5Q 8MDM0808	16	8	17.5	56	0.085
A 5Q 8MDM1010	20	10	21.5	68	0.12
A 5Q 8MDM1212	24	12	27	84	0.21

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UNIVERSAL JOINTS • DOUBLE JOINT

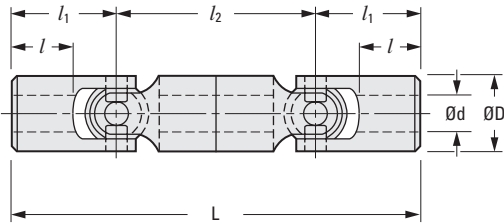
SDP/SI

HAND OPERATED & POWER DRIVEN
1750 RPM OR LESS

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► **MATERIAL:**
Alloy Steel



METRIC COMPONENT

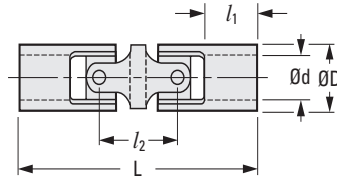
Catalog Number	D Dia.	d Bore +0.025 0	l Bore Depth ± 0.8	L Overall Length	l ₁	l ₂	Approx. Weight kg
Solid							
A 5Q 8MDD100	9.5	—	—	88.9	22.2	44.5	0.04
A 5Q 8MDD200	12.7			101.6	25.4	50.8	0.08
A 5Q 8MDD300	15.9			114.3	28.6	57.1	0.15
A 5Q 8MDD400	19.1			136.5	34.1	68.3	0.25
A 5Q 8MDD500	22.2			152.4	38.1	76.2	0.37
A 5Q 8MDD600	25.4			171.5	42.9	85.7	0.54
Bored							
A 5Q 8MDD104	9.5	4	14	88.9	22.2	44.5	0.04
A 5Q 8MDD206	12.7	6	16	101.6	25.4	50.8	0.07
A 5Q 8MDD308	15.9	8	17	114.3	28.6	57.1	0.14
A 5Q 8MDD410	19.1	10	22	136.5	34.1	68.3	0.23
A 5Q 8MDD512	22.2	12		152.4	38.1	76.2	0.34
A 5Q 8MDD614	25.4	14		171.4	42.9	85.7	0.48

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> MATERIAL:

Carbon Steel - Unhardened
(Also available hardened, on special order)

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METRIC COMPONENT

Catalog Number	D Dia.	d Bore H8	L Overall Length	l_1	l_2	Max. Torque N • m	Approx. Weight kg
A 5Q 8MDG1306	13	6	60	13	18	2	0.036
A 5Q 8MDG1308		8					
A 5Q 8MDG2010	20	10	88	19	26	6	0.127
A 5Q 8MDG2512	25	12	104	22	30	11.5	0.231
A 5Q 8MDG2516		16					
A 5Q 8MDG3216	32	16	124	25	38	23	0.46
A 5Q 8MDG3220		20					

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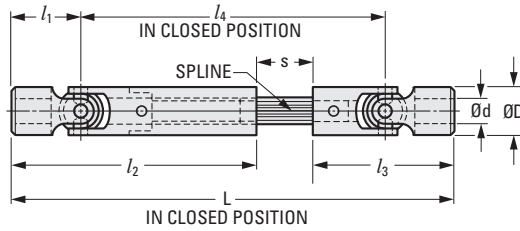
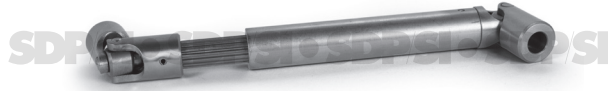
HEAT-RESISTANT
CORROSION-RESISTANT

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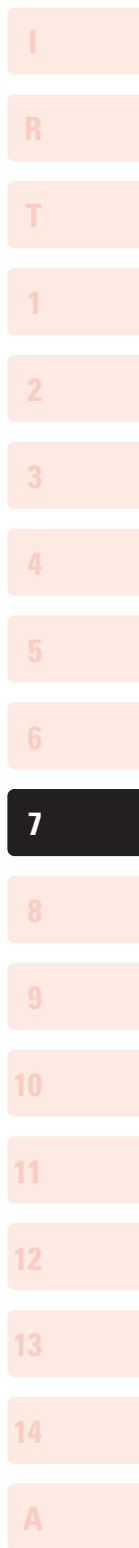
› **MATERIAL:**
Stainless Steel

› **OPERATING TEMPERATURE:**
-20°C to +400°C



METRIC COMPONENT

Catalog Number	D Dia.	d Bore +0.025 0	l_1	l_2	l_3	L Closed	l_4 Closed	s Max. Exten.	Max. Torque N • m
A 5X 8MSE1306	12.5	6	20	97	40	137	97	41	4.5
A 5X 8MSE1608	16	8	25	126	50	176	126	57	11
A 5X 8MSE2010	20	10	28	151	56	207	151	73	27
A 5X 8MSE2512	25	12	35.5	185	71	256	185	83	68
A 5X 8MSE2514		14							



TELESCOPING UNIVERSAL JOINTS

SDP/SI

DOUBLE UNIVERSAL WITH BALL SPLINE
ZERO BACKLASH
ACCOMMODATES 6 mm AXIAL MOTION
LOW INERTIA

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



S Precision Component



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:

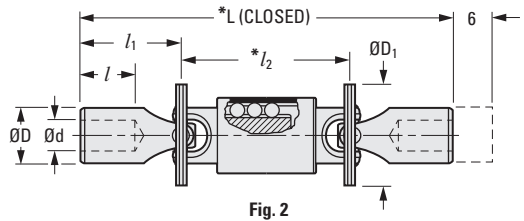
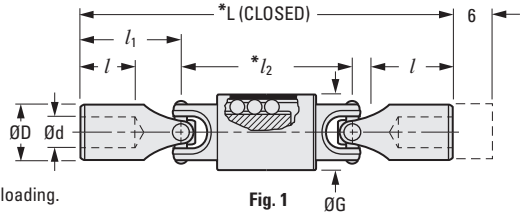
- Torque Ratings - For static conditions with in-line loading.
- Max. Operating Speed @ 0° - Fig. 1: 10000 rpm
Fig. 2: 4000 rpm
- Max. Operating Angle - Fig. 1: 60° @ 4000 rpm
Fig. 2: 40° @ 1800 rpm

d Bore Tolerance:

Fig. 1: +0.013/0, Fig. 2: +0.025/0

Travel of up to 100 mm on Fig. 1 units and 150 mm on Fig. 2 units available on special order.

Set screws available on special order.



METRIC COMPONENT

Catalog Number	D Dia.	d Bore	l Bore Depth	l ₁ End Unit	l ₂ * Center (Closed)	L* Length (Closed)	G Dia. Over Ball Race	D ₁ Dia.	Torque N • m
Fig. 1 Miniature									
S57PY5MDUT0205	4.76	2.5	4.8	9.5	19.1	38.1	7.9	—	0.11
S57PY5MDUT0305		3							
S57PY5MDUT0407	7.15	4	7.2	14.3	23.8	52.6	10.4		0.45
S57PY5MDUT0510	9.53	5	9.5	19.1	31.8	69.9	14.2	—	1.8
S57PY5MDUT0610		6							
Fig. 2 Inverted Design									
S57PY4MDFUT0519	9.53	5	9.5	19.1	31.8	69.9	—	19.1	1.8
S57PY4MDFUT0619		6							
S57PY4MDFUT0724	12.71	7	11.1	20.7	41.4	76.2		23.8	2.3
S57PY4MDFUT0824	19.06	8	15.9	20.7	57.2	108	—	35.1	3.4
S57PY4MDFUT1035		10							
S57PY4MDFUT1248	25.41	12	22.2	33.5	63.2	130		47.8	8.5
S57PY4MDFUT1448		14							

*Closed dimensions for standard 6 mm of travel.

Stock Drive Products pioneered the concept of combining the exceptional qualities of selected plastic materials with different metals to create products which incorporate both.



SUPER-PLAST® designs have the following advantages:

1. Inexpensive replacement of metal components, particularly for low torque applications.
2. As vibration dampers due to the resiliency of plastics used.
3. For drives used in corrosive environments or for chemical processing equipment.
4. For drives which have to be electrically insulated.
5. For domestic appliances and other intermittent duty applications.

The SDP line of molded universal joints is a valuable extension of the above capabilities, and they are shown on the following pages:

Name	Description	Series	Page
Universal Single Joint	All Molded	A 5M 8MD...	7-16
	Metal Spider (No Insert)	A 5T 8MD...	7-17
	Metal Spider and Insert	A 5Z 8MD...	7-17
Universal Double Joint	All Molded	A 5M 8MDD...	7-16
	Metal Spider (No Insert)	A 5T 8MDD...	7-18
	Metal Spider and Insert	A 5Z 8MDD...	7-18
Universal Joint With Molded Slide Extension	All Molded	A 5M 8MSE...	7-19
	Metal Spider (No Insert)	A 5T 8MSE...	7-20, 7-21
	Metal Spider and Insert	A 5Z 8MSE...	7-20, 7-21
Universal Joint With Brass Slide Extension	Metal Spider and Insert	A 5Z 8MSEB...	7-22

The above products are available from stock in standard configurations as presented in the catalog pages.

They can also be manufactured to special requirements, with partial modification of existing tools.

These "specials" can consist of:

- a) Bores molded to accommodate square, "D" shape or hexagonal shafts.
- b) Shafts molded into the components themselves.
- c) Zero backlash or components with built-in backlash.
- d) Gears, pulleys or other components molded or assembled to couplings or universal joints.

Please consult SDP Application Engineering for further details.

MOLDED UNIVERSAL JOINTS

SDP/SI

SINGLE & DOUBLE JOINT
ECONOMY SERIES

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

► MATERIAL:

Body & Spider - Molded Acetal

► MAX. OPERATING TEMPERATURE:

+85°C

► SPECIFICATIONS:

Max. Angular Displacement - Fig. 1: 45°

Fig. 2: 90°

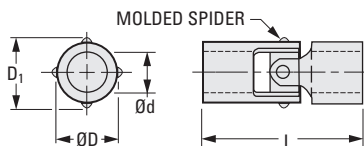
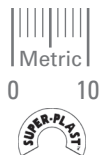


Fig. 1

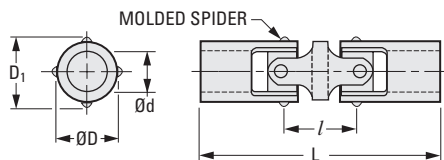


Fig. 2

METRIC COMPONENT

Catalog Number	D Dia.	d Bore 0 -0.05	Bore Depth (Typ)	L Overall Length	D ₁	l	Max. Torque N•m	Max. Parallel Offset
Fig. 1 Single Joint								
A 5M 8MD203	6.3	3	5.8	19	6.6	—	0.2	—
A 5M 8MD204		4						
A 5M 8MD304	9.5	4	8.6	28.6	10.6			
A 5M 8MD306		6						
A 5M 8MD406	12.7	6	10.6	35.6	13.8			
A 5M 8MD408		8						
A 5M 8MD506	15.9	6	14.7	52.7	16.4	4.2		
A 5M 8MD508		8						
A 5M 8MD510		10						
Fig. 2 Double Joint								
A 5M 8MDD203	6.3	3	5.8	27	6.6	8	0.2	0.22
A 5M 8MDD204		4						
A 5M 8MDD304	9.5	4	8.6	41.9	10.6	13.3	0.7	0.36
A 5M 8MDD306		6						
A 5M 8MDD406	12.7	6	10.6	51.3	13.8	15.7	1.2	0.43
A 5M 8MDD408		8						
A 5M 8MDD506	15.9	6	14.7	74.9	16.4	22.3	3.6	0.61
A 5M 8MDD508		8						
A 5M 8MDD510		10						

7-16
D815

ELECTRICALLY INSULATING

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

› MATERIAL:

Body - Molded Acetal
Spider & Insert - Nickel Plated Brass

› MAX. OPERATING TEMPERATURE:

+85°C

› SPECIFICATION:

Max. Angular Displacement: 45°

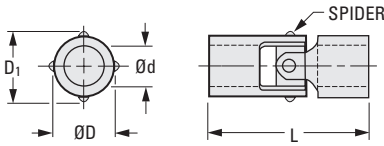


Fig. 1 Plain

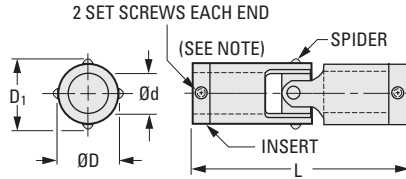
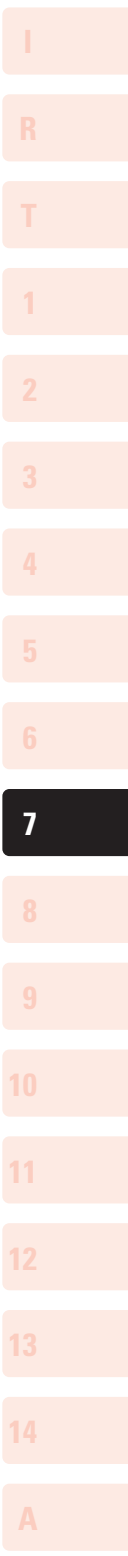


Fig. 2 With Insert

METRIC COMPONENT

Catalog Number	D Dia.	d Bore 0 -0.05	Bore Depth (Typ)	L Overall Length	D ₁	Set Screw	Max. Torque N • m
Fig. 1 Plain							
A 5T 8MD203	6.3	3	5.8	19	6.9	—	0.57
A 5T 8MD204		4					
A 5T 8MD304	9.5	4	8.6	28.6	10.4	—	1.8
A 5T 8MD306		6					
A 5T 8MD406	12.7	6	10.6	35.6	13.8	—	2.9
A 5T 8MD408		8					
A 5T 8MD506	15.9	6	14.7	52.7	17	—	6.8
A 5T 8MD508		8					
A 5T 8MD510		10					
Fig. 2 With Insert							
A 5Z 8MD202	6.3	*2	9.9	26.6	6.9	M3	0.57
A 5Z 8MD203		*3					
A 5Z 8MD303	9.5	*3	13.2	37.5	10.4	M3	1.8
A 5Z 8MD304		4					
A 5Z 8MD404	12.7	*4	16	46.1	13.8	M3	2.9
A 5Z 8MD406		6					
A 5Z 8MD506	15.9	6	21.8	66.9	17	M4	6.8
A 5Z 8MD508		8					

*NOTE: One set screw each end.



ELECTRICALLY INSULATING

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

› MATERIAL:

Body - Molded Acetal
Spider & Insert - Nickel Plated Brass

› MAX. OPERATING TEMPERATURE:

+85°C

› SPECIFICATIONS:

Max. Angular Displacement: 90°

d Bore Tolerance:

Fig. 1 Plain: 0/-0.05

Fig. 2 With Insert: +0.025/0

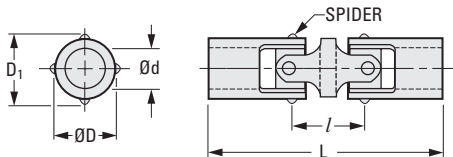


Fig. 1 Plain

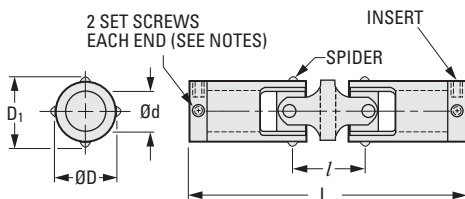


Fig. 2 With Insert

METRIC COMPONENT

Catalog Number	D Dia.	d Bore	Bore Depth (Typ)	L Overall Length	D ₁	l	Set Screw	Max. Torque N•m	Max. Parallel Offset
Fig. 1 Plain									
A 5T 8MDD203	6.3	3	5.8	27	6.9	8	—	0.3	5.6
A 5T 8MDD204		4							
A 5T 8MDD304	9.5	4	8.6	41.9	10.4	13.3	—	0.8	9.1
A 5T 8MDD306		6							
A 5T 8MDD406	12.7	6	10.6	51.3	13.8	15.7	—	1.4	10.9
A 5T 8MDD408		8							
A 5T 8MDD506	15.9	6	14.7	74.9	17	22.3	—	5.3	15.5
A 5T 8MDD508		8							
A 5T 8MDD510		10							
Fig. 2 With Insert									
A 5Z 8MDD202	6.3	*2	9.9	34.6	6.9	8	M3	0.3	5.6
A 5Z 8MDD203		*3							
A 5Z 8MDD303	9.5	*3	13.2	50.8	10.4	13.3	M3	0.8	9.1
A 5Z 8MDD304		4							
A 5Z 8MDD404	12.7	*4	16	61.8	13.8	15.7	M3	1.4	10.9
A 5Z 8MDD406		6							
A 5Z 8MDD506	15.9	6	21.8	89.2	17	22.3	M4	5.3	15.5
A 5Z 8MDD508		8							

*NOTE: One set screw each end.

MOLDED UNIVERSAL JOINTS • TELESCOPING



WITH MOLDED SLIDE EXTENSION
ECONOMY SERIES

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



› **MATERIAL:**

Body & Spider - Molded Acetal

› **MAX. OPERATING TEMPERATURE:**

+85°C

› **SPECIFICATIONS:**

Max. Angular Displacement: 90°

*Max. Recommended Extension: 19 mm

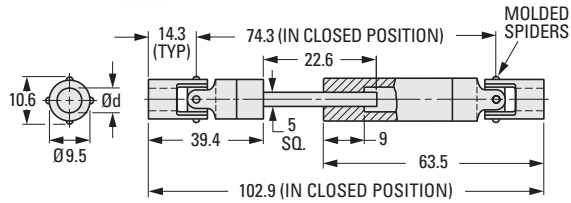


Fig. 1

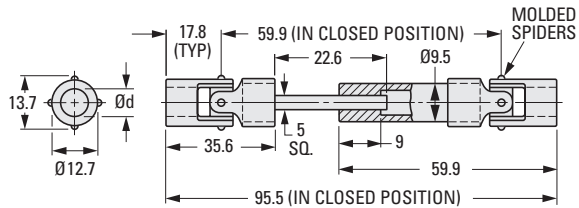
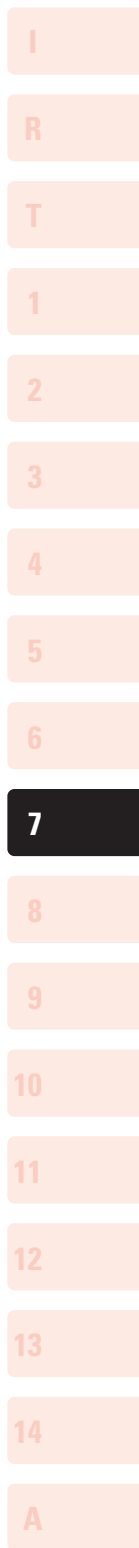


Fig. 2

METRIC COMPONENT

Catalog Number	d Bore 0 -0.05	Bore Depth (Typ)	Max. Recommended Torque N•m	
			Closed	Open*
Fig. 1				
A 5M 8MSE304	4	8.6	0.7	0.5
A 5M 8MSE306	6			
Fig. 2				
A 5M 8MSE406	6	10.6	1.4	1.1
A 5M 8MSE408	8			



MOLDED UNIVERSAL JOINTS • TELESCOPING

SDP/SI

WITH MOLDED SLIDE EXTENSION
PLAIN OR WITH INSERT
9.5 O.D.

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



► **MATERIAL:**

Body - Molded Acetal
Spider & Insert - Nickel Plated Brass

► **MAX. OPERATING TEMPERATURE:**

+85°C

► **SPECIFICATIONS:**

Max. Angular Displacement: 90°

ΔMax. Recommended Extension: 19 mm

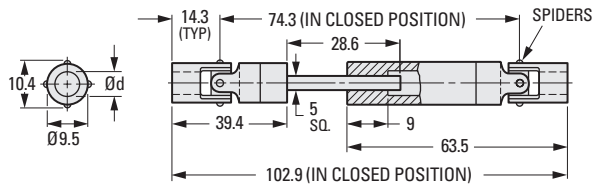
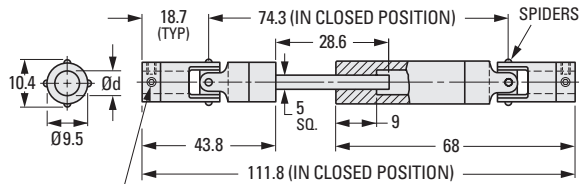


Fig. 1 Plain



2 SET SCREWS
EACH END
(SEE NOTE)

Fig. 2 With Insert

METRIC COMPONENT

Catalog Number	d Bore	Bore Tol.	Bore Depth (Typ)	Set Screw	Max. Recommended Torque N • m	
					Closed	Open ^Δ
Fig. 1 Plain						
A 5T 8MSE304	4	0/-0.05	8.6	—	0.9	0.5
A 5T 8MSE306	6					
Fig. 2 With Insert						
A 5Z 8MSE303	*3	+0.025/0	13.2	M3	0.9	0.5
A 5Z 8MSE304	4					

*NOTE: One set screw each end.

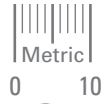
7-20
D815

MOLDED UNIVERSAL JOINTS • TELESCOPING

SDPSI

WITH MOLDED SLIDE EXTENSION
PLAIN OR WITH INSERT
12.7 O.D.

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



› **MATERIAL:**

Body - Molded Acetal
Spider & Insert - Nickel Plated Brass

› **MAX. OPERATING TEMPERATURE:**

+85°C

› **SPECIFICATIONS:**

Max. Angular Displacement: 90°

***Max. Recommended Extension:** 19 mm

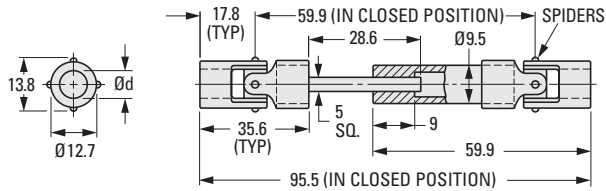


Fig. 1 Plain

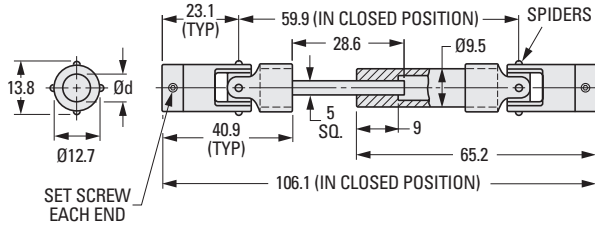


Fig. 2 With Insert

METRIC COMPONENT

Catalog Number	d Bore	Bore Tol.	Bore Depth (Typ)	Set Screw	Max. Recommended Torque N • m	
					Closed	Open*
Fig. 1 Plain						
A 5T 8MSE406	6	0/-0.05	10.6	—	1.6	1.1
A 5T 8MSE408	8					
Fig. 2 With Insert						
A 5Z 8MSE404	4	+0.025/0	16	M3	1.6	1.1
A 5Z 8MSE406	**6					

**NOTE: Two set screws each end.

7-21
D815

MOLDED UNIVERSAL JOINTS • TELESCOPING

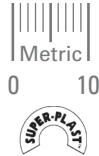
SDP/SI

WITH BRASS SLIDE EXTENSION
ELECTRICALLY INSULATING

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

► **MATERIAL:**

Body - Molded Acetal
Spider & Insert - Nickel Plated Brass
Tube - Brass



► **MAX. OPERATING TEMPERATURE:**

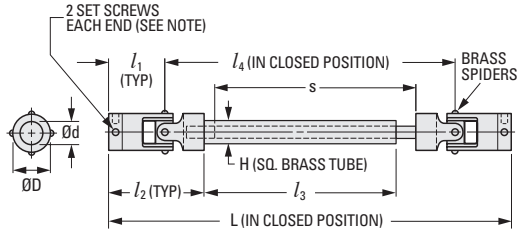
+85°C

► **SPECIFICATION:**

Max. Angular Displacement: 90°

Max. Recommended Extension: $\frac{l_3}{2}$

Shorter or longer lengths available on special order.



METRIC COMPONENT

Catalog Number Δ	D Dia.	d Bore +0.025 0	Bore Depth (Typ)	l_1	l_2	Length Closed		l_3	s	H SQ.	Set Screw
						L	l_4				
A 5Z 8MSEB202	6.3	*2	9.9	13.5	23	82.6	55.6	36.5	40.5	3.2	M3
A 5Z 8MSEB203		*3									
A 5Z 8MSEB303	9.5	*3	13.2	19.1	33.3	112.7	74.6	46	53.2	4	M3
A 5Z 8MSEB304		4									
A 5Z 8MSEB404	12.7	*4	16	23	40.9	152.5	106.5	70.6	78.6	4.8	M3
A 5Z 8MSEB406		6									
A 5Z 8MSEB508	15.9	8	21.8	33.7	60.3	203.2	135.8	82.6	96	6.4	M4

*NOTE: One set screw each end.

Δ To be discontinued when current stock is depleted.

- I
- R
- T
- 1
- 2
- 3
- 4
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- 7**
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- A