

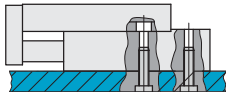
FGXS Series Air Slide Tables

**Prices effective
September 1, 2011**

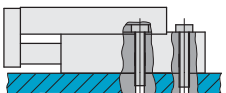
Features

Flexible mounting - 3 choices

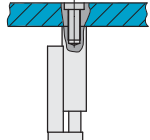
1. Side mounting (body tapped)



2. Side mounting (through hole)



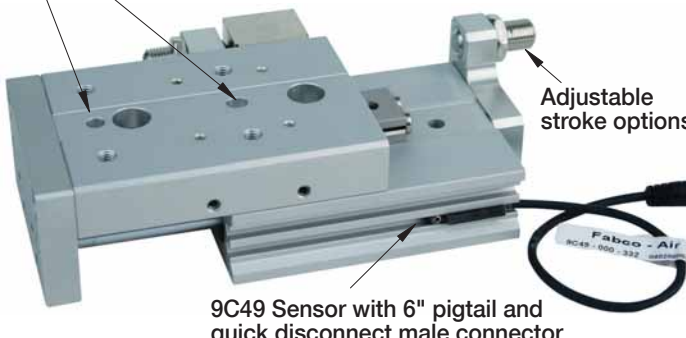
3. Axial mounting (body end tapped)



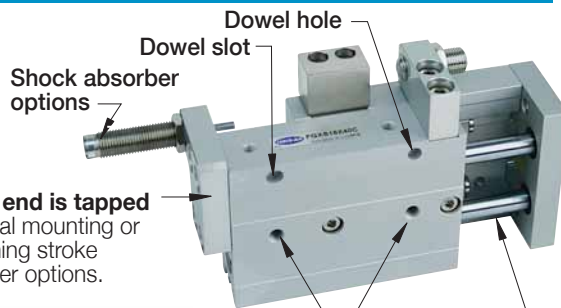
Specifications

Min. operating pressure 20 psi
Max. operating pressure 100 psi
Temperature range 15°F ~ 175°F
Stroke tolerance +1.0mm, -0.

Accurate, repeatable work piece mounting Dowel hole and slot on table surface.



9C49 Sensor with 6" pigtail and quick disconnect male connector



Tapped holes for body mounting

Dual pistons deliver twice the thrust.

Adjustable stroke options

Position sensing
Magnetic pistons are standard on all table slides. Sensors are flush mountable in slot along body.

How to order

FGXS 20 X 10

Position sensors

Bore	Standard strokes (mm)	Stroke adjuster option	
ø6	10, 20, 30, 40, 50	blank	Without adjuster
ø8	10, 20, 30, 40, 50, 75	A	Adjuster at extension end [‡]
ø12	10, 20, 30, 40, 50, 75, 100	B	Adjuster at retraction end [‡]
ø16	10, 20, 30, 40, 50, 75, 100, 125	C	Adjuster at both ends [‡]
ø20	10, 20, 30, 40, 50, 75, 100, 125, 150	D	Absorber at extension end [†]
ø25	10, 20, 30, 40, 50, 75, 100, 125, 150	E	Absorber at retraction end [†]
		F	Absorber at both ends [†]

Consult factory for non-standard strokes.

9C49 Series Sensors
Order sensors and cord sets separately from pricing and specs shown below.

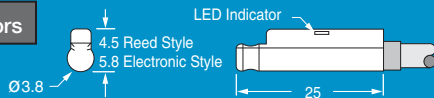
*Note: Specify 5, 15 or 25 mm adjustment (5 or 15 mm only for ø6)

†Note: Not available for ø6 bore

Price list

Model	Stroke (mm)									Adjustable Stroke			Shock Absorber		
	10	20	30	40	50	75	100	125	150	A	B	C	D	E	F
FGXS6 x □	\$245.35	\$256.00	\$266.70	\$288.00	\$300.80	-	-	-	-	\$13.35	\$10.90	\$23.05	-	-	-
FGXS8 x □	222.95	222.95	244.75	266.55	281.10	\$293.20	-	-	-	13.35	10.90	23.05	\$47.25	\$48.50	\$94.50
FGXS12 x □	252.05	252.05	252.05	259.30	265.35	290.80	\$352.60	-	-	12.15	10.90	21.85	42.40	43.65	87.25
FGXS16 x □	261.70	261.70	261.70	264.15	270.20	295.65	359.85	\$468.90	-	13.35	12.15	24.25	46.05	48.50	101.80
FGXS20 x □	289.60	290.80	290.80	293.20	307.75	353.80	399.85	477.40	\$508.90	16.95	14.55	30.30	72.70	73.90	152.65
FGXS25 x □	318.70	318.70	318.70	319.90	334.45	386.50	434.95	517.35	557.35	19.45	16.95	33.95	75.15	78.75	162.40

9C49 Sensors



All 9C49 sensors feature surge protection, polarity protection, LED indicator, and extremely fast switching speeds.

Female Cord Sets	Part No.	Price
1 Meter	CFC-1M	\$15.05
2 Meters	CFC-2M	16.85
5 Meters	CFC-5M	21.30

9C49 Sensor Selection Guide		Prewired 9 ft. Leadwire	Quick Disconnect*
Sensor Type	Electrical Characteristics	Part No.	Part No.
Reed (LED)	5-120 VDC/VAC, 0.04 Amp max, 0.005 Amp min current, 4 Watt max., 2.5 voltage drop	9C49-000-002 \$20.25	9C49-000-302 \$27.00
Electronic (LED)	Sourcing PNP 6-30 VDC, 0.2 Amp max current, 6 Watt max., 1.5 voltage drop	9C49-000-031 28.65	9C49-000-331 33.25
Electronic (LED)	Sinking NPN 6-30 VDC, 0.2 Amp max current, 6 Watt max., 1.5 voltage drop	9C49-000-032 28.65	9C49-000-332 33.25

*Note: All quick disconnect style sensors are supplied with 6 inch pigtail with male connector.

**Get complete technical info fast. Need a special?
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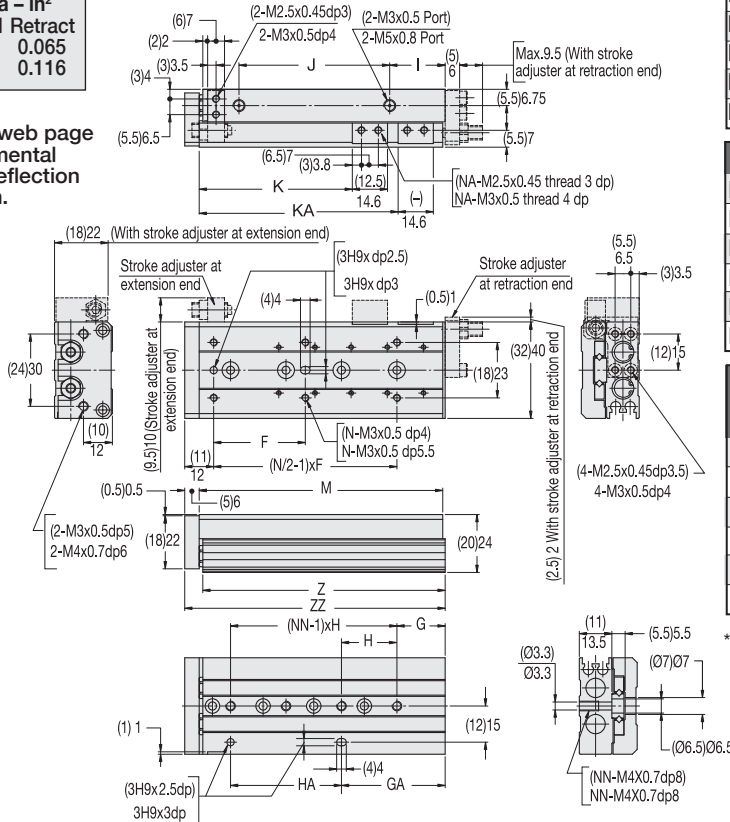
(FGXS6+), FGXS8

*Note: ø6 Bore dimensions are shown in parentheses.
 (-) indicates not applicable.

Dimensions (mm)

Piston Area – in ²	
Extend	Retract
ø6 0.088	0.065
ø8 0.156	0.116

See FGXS web page for supplemental load and deflection information.



Model	F(ø6)ø8	N(ø6)ø8	G(ø6)ø8	H(ø6)ø8	NN(ø6)ø8	GA(ø6)ø8
FGXS□-10	(20)25	(4) 4	(6) 9	(25) 28	(2) 2	(11) 17
FGXS□-20	(30)25	(4) 4	(6) 12	(35) 30	(2) 2	(21) 12
FGXS□-30	(20)40	(6) 4	(11) 13	(20) 20	(3) 3	(31) 33
FGXS□-40	(28)50	(6) 4	(13) 15	(30) 28	(3) 3	(43) 43
FGXS□-50	(38)38	(6) 6	(17) 20	(24) 23	(4) 4	(41) 43
FGXS□-75	(-)50	(-)6	(-)27	(-)28	(-)5	(-)83

Model	HA(ø6)ø8	I(ø6)ø8	J(ø6)ø8	K(ø6)ø8	KAø8*	NA(ø6)ø8*
FGXS□-10	(20) 20	(10) 5.5	(17) 28	(22.5) 23.5	-	(2) 2
FGXS□-20	(20) 30	(10) 6	(27) 32.5	(32.5) 33.5	-	(2) 2
FGXS□-30	(20) 20	(7) 7	(40) 42.5	(42.5) 43.5	-	(2) 2
FGXS□-40	(30) 28	(19) 10.5	(50) 57	(52.5) 53.5	-	(2) 2
FGXS□-50	(48) 46	(25) 23	(60) 62.5	(62.5) 63.5	82.5	(2) 4
FGXS□-75	(-) 56	(-) 38.5	(-) 95.5	(-) 88.5	132.5	(-) 4

Model	M(ø6)ø8	Z(ø6)ø8	ZZ(ø6)ø8	Shock Absorber Info *		
				Extend Range	Retract Range	'A' Dim.
FGXS□-10	(42)49	(41.5)48.5	(48)56	20	5	22
FGXS□-20	(52)54	(51.5)53.5	(58)61	20	15	27
FGXS□-30	(62)65	(61.5)64.5	(68)72	20	15	26
FGXS□-40	(84)83	(83.5)82.5	(90)90	20	5	18
FGXS□-50	(100)101	(99.5)100.5	(106)108	20	20	29
FGXS□-75	(-)151	(-)150.5	(-)158	20	20	29

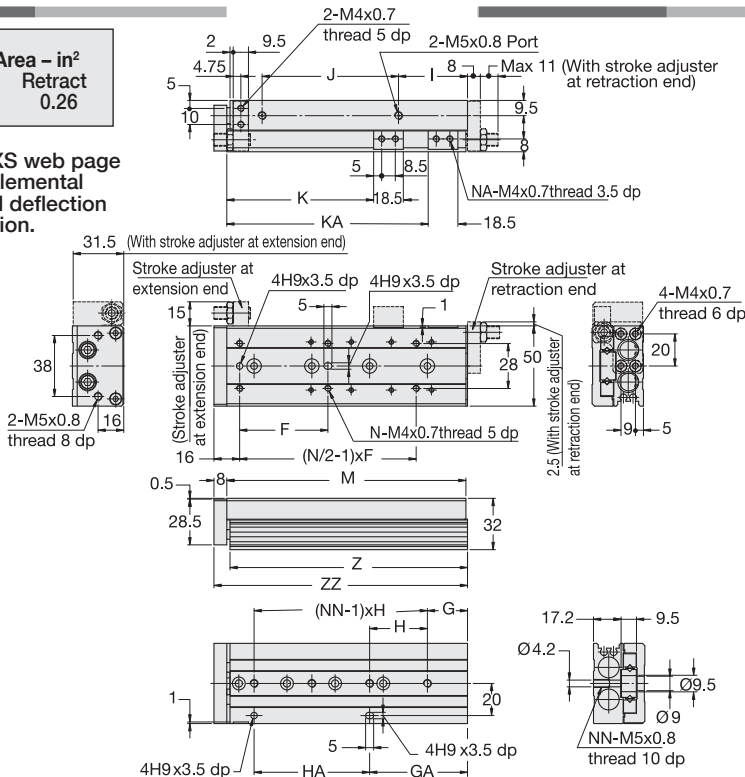
*Note: See page 4 for shock absorber mounting dimensions.
 Shock absorbers not available for ø6 bores.

FGXS12

Piston Area – in ²	
Extend	Retract
0.35	0.26

See FGXS web page for supplemental load and deflection information.

Dimensions (mm)



Model	F	N	G	H	NN	GA
FGXS12-10	35	4	15	40	2	15
FGXS12-20	35	4	15	40	2	15
FGXS12-30	35	4	15	40	2	15
FGXS12-40	50	4	17	25	3	42
FGXS12-50	35	6	15	36	3	51
FGXS12-75	55	6	25	36	4	61
FGXS12-100	65	6	35	38	5	111

Model	HA	I	J	K	KA	NA
FGXS12-10	40	10	40	26.5	-	2
FGXS12-20	40	10	40	36.5	-	2
FGXS12-30	40	10	40	46.5	-	2
FGXS12-40	25	10	52	56.5	-	2
FGXS12-50	36	22	60	66.5	-	2
FGXS12-75	72	43	85	91.5	125.5	4
FGXS12-100	76	52	130	116.5	179.5	4

Model	M	Z	ZZ	Shock Absorber Info *		
				Extend Range	Retract Range	'A' Dim.
FGXS12-10	71	70	80	20	2	7
FGXS12-20	71	70	80	20	5	17
FGXS12-30	71	70	80	20	15	27
FGXS12-40	83	82	92	20	15	25
FGXS12-50	103	102	112	20	5	15
FGXS12-75	149	148	158	20	15	28
FGXS12-100	203	202	212	20	15	28

*Note: See page 4 for shock absorber mounting dimensions.

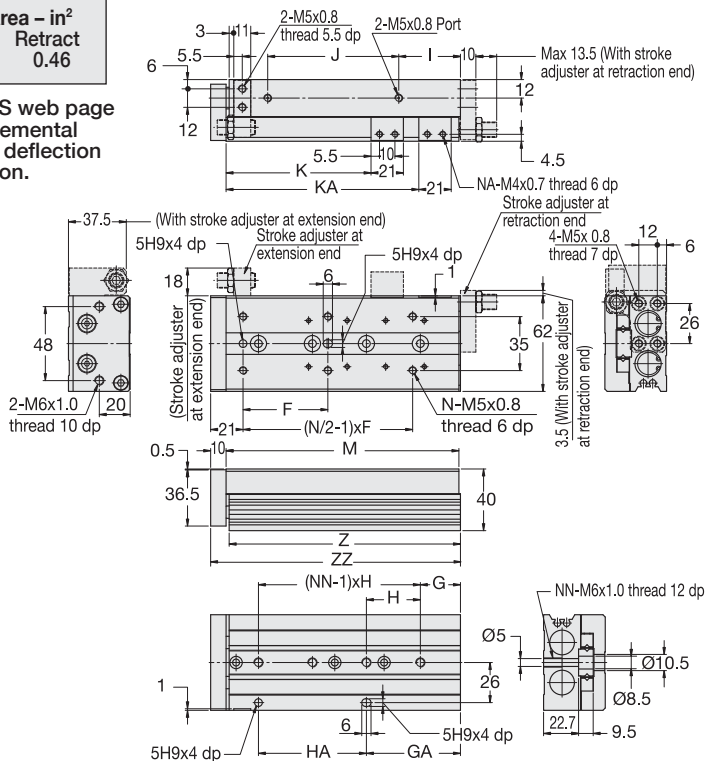
FGXS Series

Bore sizes $\phi 16$ and $\phi 20$ – Dimensions

FGXS16

Piston Area – in²
 Extend 0.62 Retract 0.46

See FGXS web page for supplemental load and deflection information.



Dimensions (mm)

Model	F	N	G	H	NN	GA
FGXS16-10	35	4	16	40	2	16
FGXS16-20	35	4	16	40	2	16
FGXS16-30	35	4	16	40	2	16
FGXS16-40	40	4	16	50	2	16
FGXS16-50	30	6	21	30	3	51
FGXS16-75	55	6	26	35	4	61
FGXS16-100	65	6	39	35	5	109
FGXS16-125	70	8	19	35	7	159

Model	HA	I	J	K	KA	NA
FGXS16-10	40	10	40	29	-	2
FGXS16-20	40	10	40	39	-	2
FGXS16-30	40	10	40	49	-	2
FGXS16-40	50	10	50	59	-	2
FGXS16-50	30	15	60	69	-	2
FGXS16-75	70	40	85	94	125	4
FGXS16-100	70	55	118	119	173	4
FGXS16-125	70	68	155	144	223	4

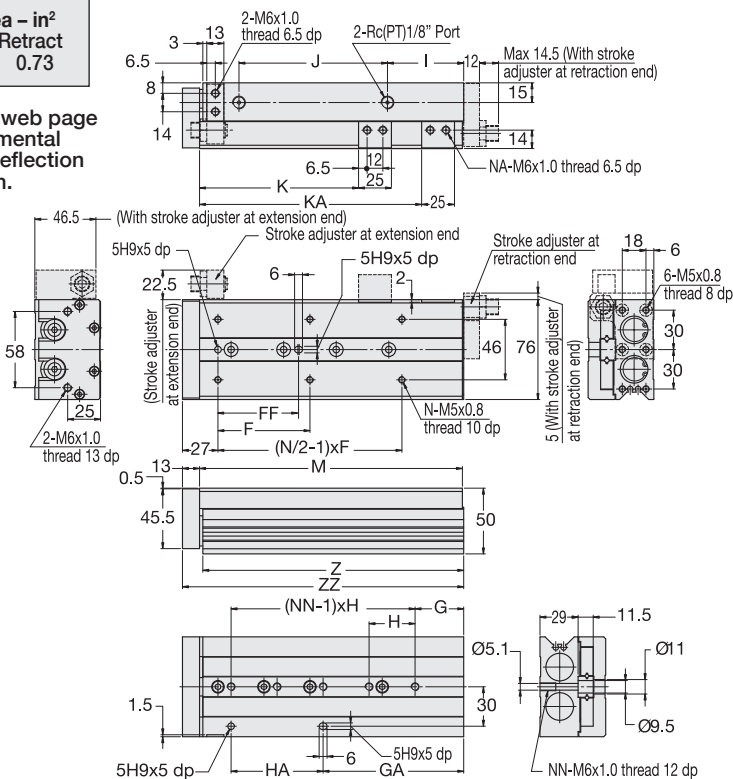
Model	M	Z	ZZ	Shock Absorber Info*		
				Extend Range	Retract Range	'A' Dim.
FGXS16-10	76	75	87	25	5	11
FGXS16-20	76	75	87	25	10	21
FGXS16-30	76	75	87	25	20	31
FGXS16-40	86	85	97	25	20	31
FGXS16-50	101	100	112	25	15	26
FGXS16-75	151	150	162	25	20	32
FGXS16-100	199	198	210	25	20	32
FGXS16-125	249	248	260	25	20	32

*Note:
 See page 4 for shock absorber mounting dimensions.

FGXS20

Piston Area – in²
 Extend 0.97 Retract 0.73

See FGXS web page for supplemental load and deflection information.



Dimensions (mm)

Model	F	FF	N	G	H	NN	GA
FGXS20-10	50	40	4	15	45	2	25
FGXS20-20	50	40	4	15	45	2	25
FGXS20-30	50	40	4	15	45	2	25
FGXS20-40	60	50	4	15	55	2	35
FGXS20-50	35	35	6	15	35	3	50
FGXS20-75	60	60	6	19	35	4	54
FGXS20-100	70	70	6	37	35	5	107
FGXS20-125	70	70	8	41	38	6	155
FGXS20-150	80	80	8	19	44	7	195

Model	HA	I	J	K	KA	NA
FGXS20-10	35	10	44	31	-	2
FGXS20-20	35	10	44	41	-	2
FGXS20-30	35	10	44	51	-	2
FGXS20-40	35	10	54	61	-	2
FGXS20-50	35	10	69	71	-	2
FGXS20-75	70	10	108	96	-	2
FGXS20-100	70	58	113	121	169	4
FGXS20-125	76	70	155	146	223	4
FGXS20-150	88	87	190	171	275	4

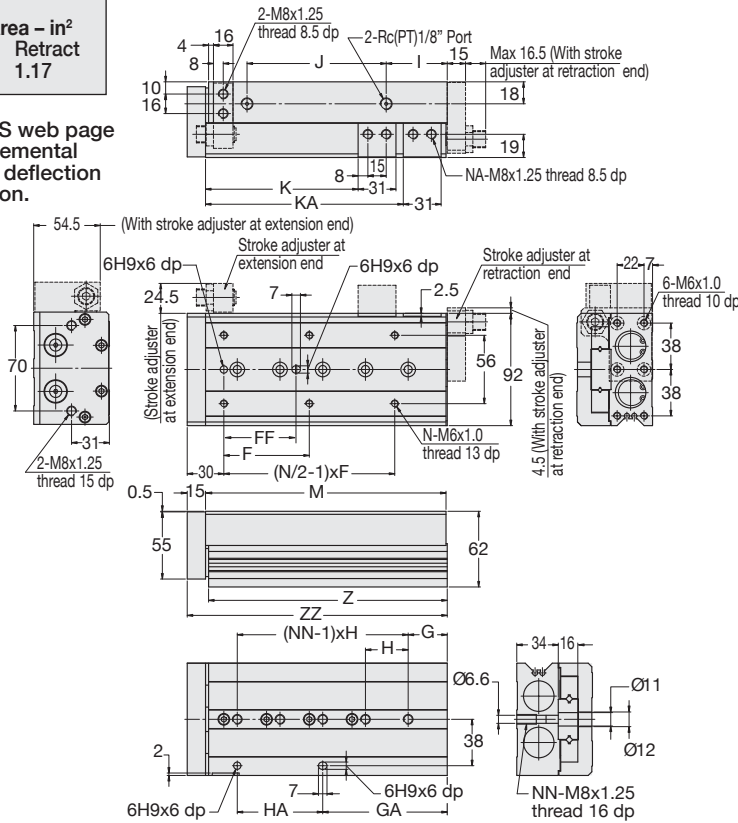
Model	M	Z	ZZ	Shock Absorber Info*		
				Extend Range	Retract Range	'A' Dim.
FGXS20-10	83	81.5	97	40	5	28
FGXS20-20	83	81.5	97	40	15	38
FGXS20-30	83	81.5	97	40	25	48
FGXS20-40	93	91.5	107	40	35	48
FGXS20-50	108	106.5	122	40	30	43
FGXS20-75	147	145.5	161	40	15	29
FGXS20-100	200	198.5	214	40	35	49
FGXS20-125	254	252.5	268	40	35	49
FGXS20-150	306	304.5	320	40	35	49

*Note:
 See page 4 for shock absorber mounting dimensions.

Bore sizes $\phi 25$ – Dimensions

Piston Area – in²
Extend 1.52 Retract 1.17

See FGXS web page for supplemental load and deflection information.



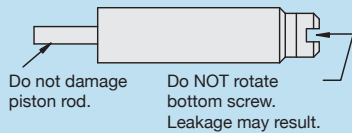
Model	F	FF	N	G	H	NN	GA
FGXS25-10	50	40	4	22	45	2	22
FGXS25-20	50	40	4	22	45	2	22
FGXS25-30	50	40	4	22	45	2	22
FGXS25-40	60	50	4	22	55	2	22
FGXS25-50	35	35	6	20	35	3	55
FGXS25-75	60	60	6	26	35	4	61
FGXS25-100	70	70	6	32	35	5	102
FGXS25-125	75	75	8	40	38	6	154
FGXS25-150	80	80	8	30	40	7	190

Model	HA	I	J	K	KA	NA
FGXS25-10	45	12	47	35	-	2
FGXS25-20	45	12	47	45	-	2
FGXS25-30	45	12	47	55	-	2
FGXS25-40	55	12	57	65	-	2
FGXS25-50	35	12	70	75	-	2
FGXS25-75	70	33	90	100	-	2
FGXS25-100	70	50	114	125	162	4
FGXS25-125	76	67	155	150	218	4
FGXS25-150	80	82	180	175	258	4

Model	M	Z	ZZ	Shock Absorber Info*		
				Extend Range	Retract Range	'A' Dim.
FGXS25-10	92	90.5	108	35	5	26
FGXS25-20	92	90.5	108	35	15	36
FGXS25-30	92	90.5	108	35	25	46
FGXS25-40	102	100.5	118	35	35	46
FGXS25-50	115	113.5	131	35	30	43
FGXS25-75	156	154.5	172	35	15	27
FGXS25-100	197	195.5	213	35	35	48
FGXS25-125	255	253.5	271	35	35	46
FGXS25-150	295	293.5	311	35	35	46

*Note:
See shock absorber mounting dimensions below.

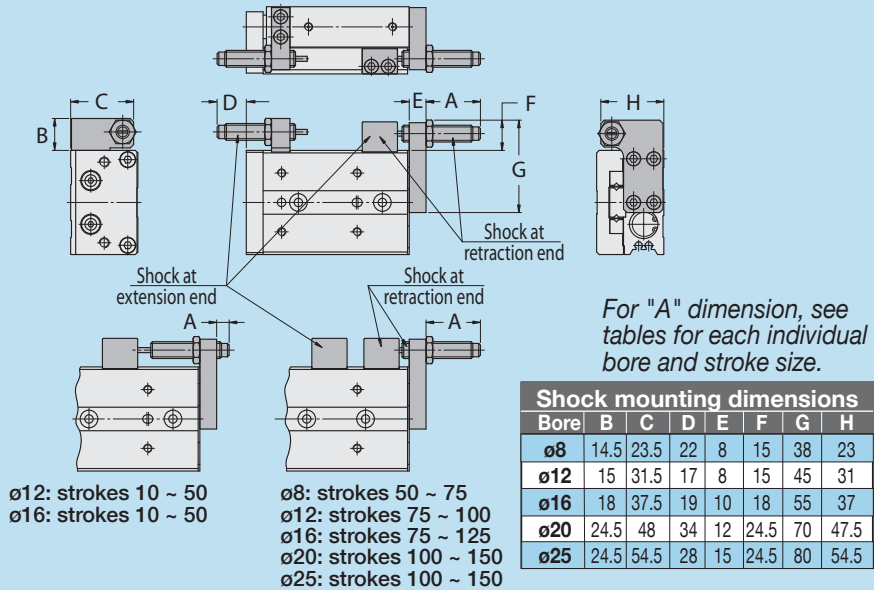
Shock absorbers



Shock absorbers	
For model	Part number
FGXS8	FSA0806-SN
FGXS12	FSA0806-SN
FGXS16	FSA1007-SN
FGXS20	FSA1412-SN
FGXS25	FSA1412-SN

Lock nut tightening torque	
Model	Max Nm (lb-in)
FGXS8	1.67 (14)
FGXS12	
FGXS16	3.14 (27)
FGXS20	10.8 (95)
FGXS25	

Shock absorber mounting dimensions



For "A" dimension, see tables for each individual bore and stroke size.

Shock mounting dimensions							
Bore	B	C	D	E	F	G	H
ø8	14.5	23.5	22	8	15	38	23
ø12	15	31.5	17	8	15	45	31
ø16	18	37.5	19	10	18	55	37
ø20	24.5	48	34	12	24.5	70	47.5
ø25	24.5	54.5	28	15	24.5	80	54.5