

ORDER  
ONLINE



Slides



# ***PST Series***

***Precision Slide Table***

*We're everywhere you need us to be!*



## PST Series Power Slides

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Pneumair



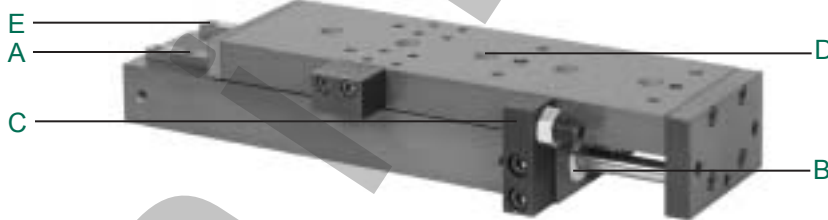
PST Series  
Precision Slides



“PST” Precision Slide Table

Series PST Slide provides smooth precise linear motion with high accuracy at twice the thrust of a single bore cylinder. The precision linear rail system supports the load through the entire stroke length.

- A. Dual square rails provide high load capabilities and precise linear motion.
- B. Twin bores deliver twice the thrust of a single bore cylinder.
- C. Optional stroke adjustment available for extend stroke .
- D. Axial mounting and locating holes standard.
- E. Sensing groove for Hall or Reed switches.



How to Order

PST 16 050 B 1 6 D 4 4

Bore Sizes

- 16 = 16 mm
- 20 = 20 mm
- 25 = 25 mm

Standard Stroke

- 010 = 10 mm
- 020 = 20 mm
- 025 = 25 mm
- 030 = 30 mm
- 040 = 40 mm
- 050 = 50 mm
- 075 = 75 mm
- 100 = 100 mm

Seal Option

- 1 = Buna
- 2 = Viton

Sensing Type

- Standard Cord Set
    - 1 = Hall Switch - PNP (sourcing)
    - 2 = Hall Switch - NPN (sinking)
    - 3 = Reed Switch
    - 6 = No Sensing
  - Quick Disconnect Cord Set
    - Z = Hall Switch - PNP (sourcing)
    - Y = Hall Switch - NPN (sinking)
    - X = Reed Switch
- See Sensor section.

Shock Option

- Hardware Only
  - 1 = Extend
  - 2 = Retract
  - 3 = Extend/Retract
  - 4 = No Shock Hardware
- Hardware and Shocks
  - A = Extend
  - B = Retract
  - C = Extend/Retract

Stroke Adjustment

- 1 = Extend Stroke
- 2 = Retract Stroke
- 3 = Extend/Retract
- 4 = No Stroke Adjustment

Sensing Position

- A = Single Position Extend
- B = Single Position Retract
- C = Extend and Retract
- D = No Sensing

When Ordering Additional Sensors

SWITCH DESCRIPTION	STANDARD PART NO.	QUICK DISCONNECT PART NO.
Hall Effect - PNP (Sourcing)	HPNPS31	HPNPQ31
Hall Effect - NPN (Sinking)	HNPNS32	HNPNQ32
Reed Switch	RSS02	RSQ02
90° 5 meter cable	-	PXC90
Straight 5 meter cable	-	PXCST

Extend Stroke Adjustment Kit

MODEL NO.	PART NO.
PST16	PSTSAKE16
PST20	PSTSAKE20
PST25	PSTSAKE25

Retract Stroke Adjustment Kit

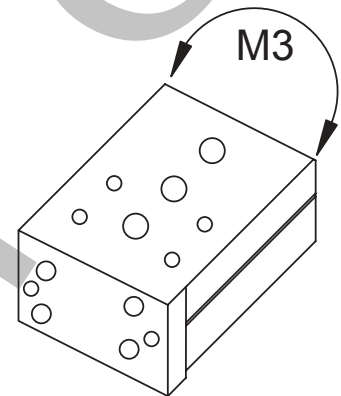
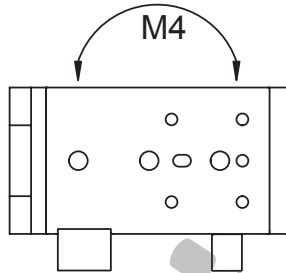
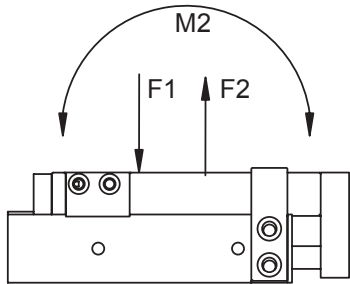
MODEL NO.	PART NO.
PST16	PSTSAKR16
PST20	PSTSAKR20
PST25	PSTSAKR25



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PST16 Technical Specifications



Technical Specifications

	PST16
M2 Nm (in.-lbs.)	2.4 (21.0)
M3 Nm (in.-lbs.)	2.8 (25.0)
M4 Nm (in.-lbs.)	2.3 (20.0)
F1: kg (lbs)	23.0 (50.0)
F2: kg (lbs)	16.0 (35.0)

Unit Output Force Table

BORE	EXTEND	RETRACT
16 (piston area inches sq.)	0.624	0.486
16 (piston area mm sq.)	402.0	302.0

Example:  
Pounds = PSI x Piston Area inches sq.  
Newtons = MPa x Piston Area mm sq.

PST016 Dimensions

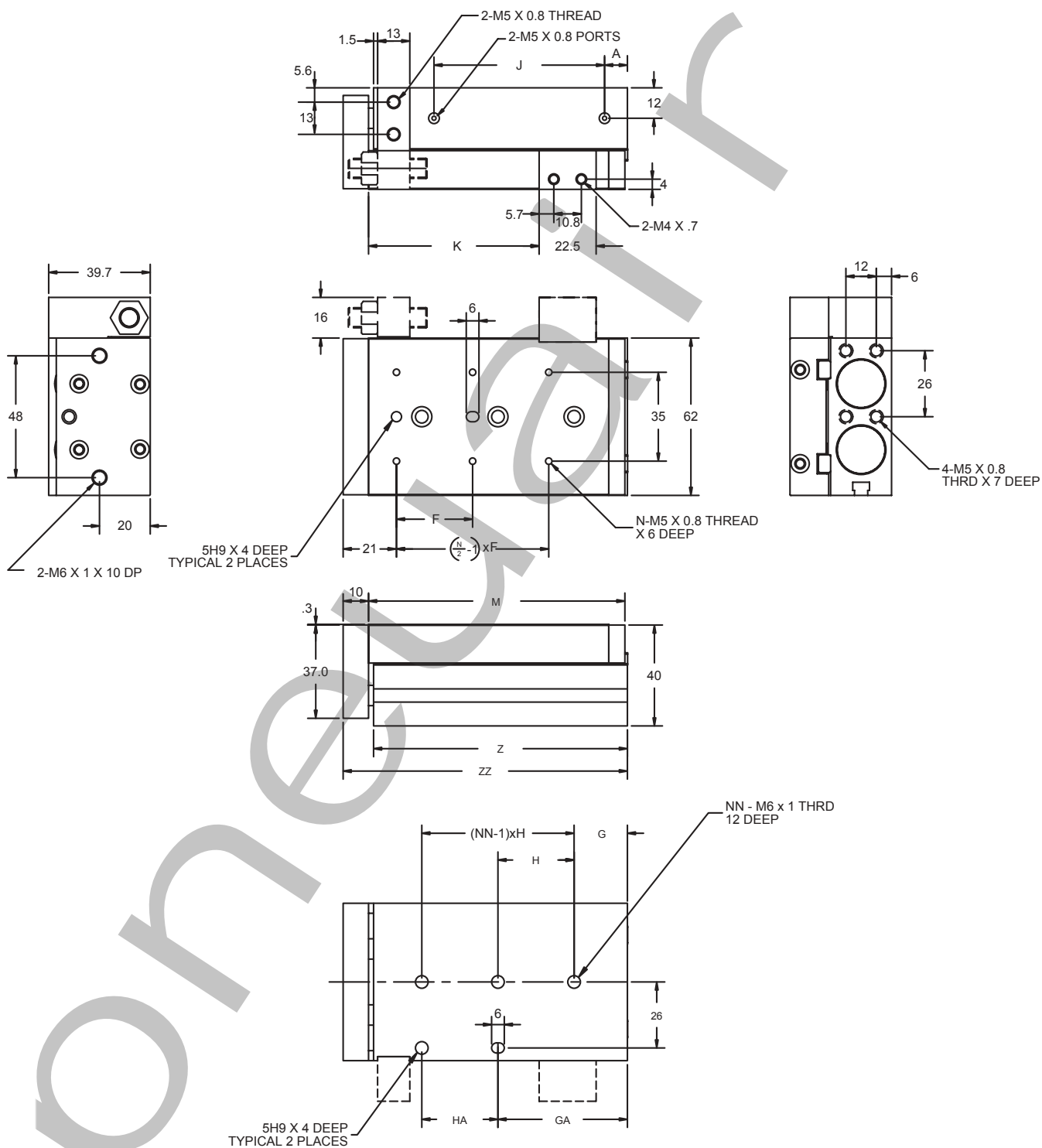
	STROKE - MM (INCHES)						
	10	20	30	40	50	75	100
A	7.4 (0.29)	7.4 (0.29)	7.4 (0.29)	7.4 (0.29)	9.0 (0.35)	9.0 (0.35)	9.0 (0.35)
F	35.0 (1.38)	35.0 (1.38)	35.0 (1.38)	40.0 (1.57)	30.0 (1.81)	55.0 (2.16)	65.0 (2.56)
G	16.0 (0.63)	16.0 (0.63)	16.0 (0.63)	16.0 (0.63)	21.0 (0.83)	26.0 (1.02)	39.0 (1.53)
GA	16.0 (0.63)	16.0 (0.63)	16.0 (0.63)	16.0 (0.63)	51.0 (2.01)	61.0 (2.40)	109 (4.29)
H	40.0 (1.57)	40.0 (1.57)	40.0 (1.57)	50.0 (1.96)	30.0 (1.18)	35.0 (1.38)	35.0 (1.38)
HA	40.0 (1.57)	40.0 (1.57)	40.0 (1.57)	50.0 (1.97)	30.0 (1.18)	70.0 (2.76)	70.0 (2.76)
J	44.0 (1.73)	44.0 (1.73)	44.0 (1.73)	54.0 (2.13)	67.0 (2.65)	117.0 (4.62)	165.0 (6.51)
K	27.0 (1.06)	37.0 (1.47)	47.0 (1.86)	57.0 (2.24)	67.0 (2.65)	92.0 (3.63)	117.0 (4.61)
M	76.0 (2.99)	76.0 (2.99)	76.0 (2.99)	86.0 (3.39)	101.0 (3.98)	151.0 (5.94)	199 (7.83)
N	4.0	4.0	4.0	4.0	6.0	6.0	6.0
NN	2.0	2.0	2.0	2.0	3.0	4.0	5.0
Z	75.0 (2.95)	75.0 (2.95)	75.0 (2.95)	85.0 (3.35)	100.0 (3.94)	150.0 (5.91)	198.0 (7.80)
ZZ	87.0 (3.42)	87.0 (3.42)	87.0 (3.42)	97.0 (3.81)	112.0 (4.41)	162.0 (6.38)	210.0 (8.26)



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PST16 Dimensions

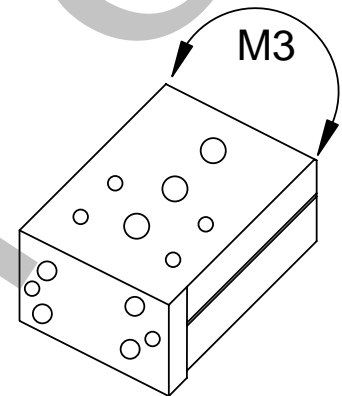
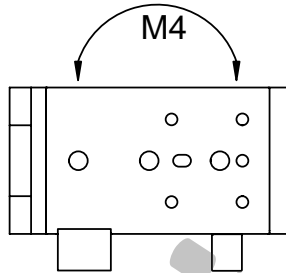
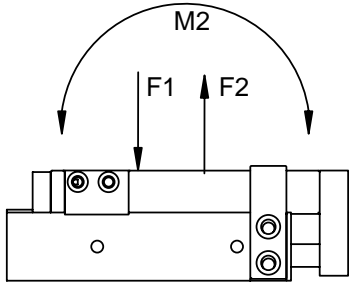




PST Series  
Precision Slides



PST20 Technical Specifications



NOTE: PST20 max. stroke 100mm

Technical Specifications

	PST20
M2 Nm (in.-lbs.)	23.3 (206.6)
M3 Nm (in.-lbs.)	24.6 (217.9)
M4 Nm (in.-lbs.)	27.4 (242.7)
F1: kg (lbs)	29.4 (65.0)
F2: kg (lbs)	20.6 (45.5)

Unit Output Force Table

BORE	EXTEND	RETRACT
20 (piston area inches sq.)	0.973	0.730
20 (piston area mm sq.)	628.0	471.0

Example:  
Pounds = PSI x Piston Area inches sq.  
Newtons = MPa x Piston Area mm sq.

PST20 Dimensions

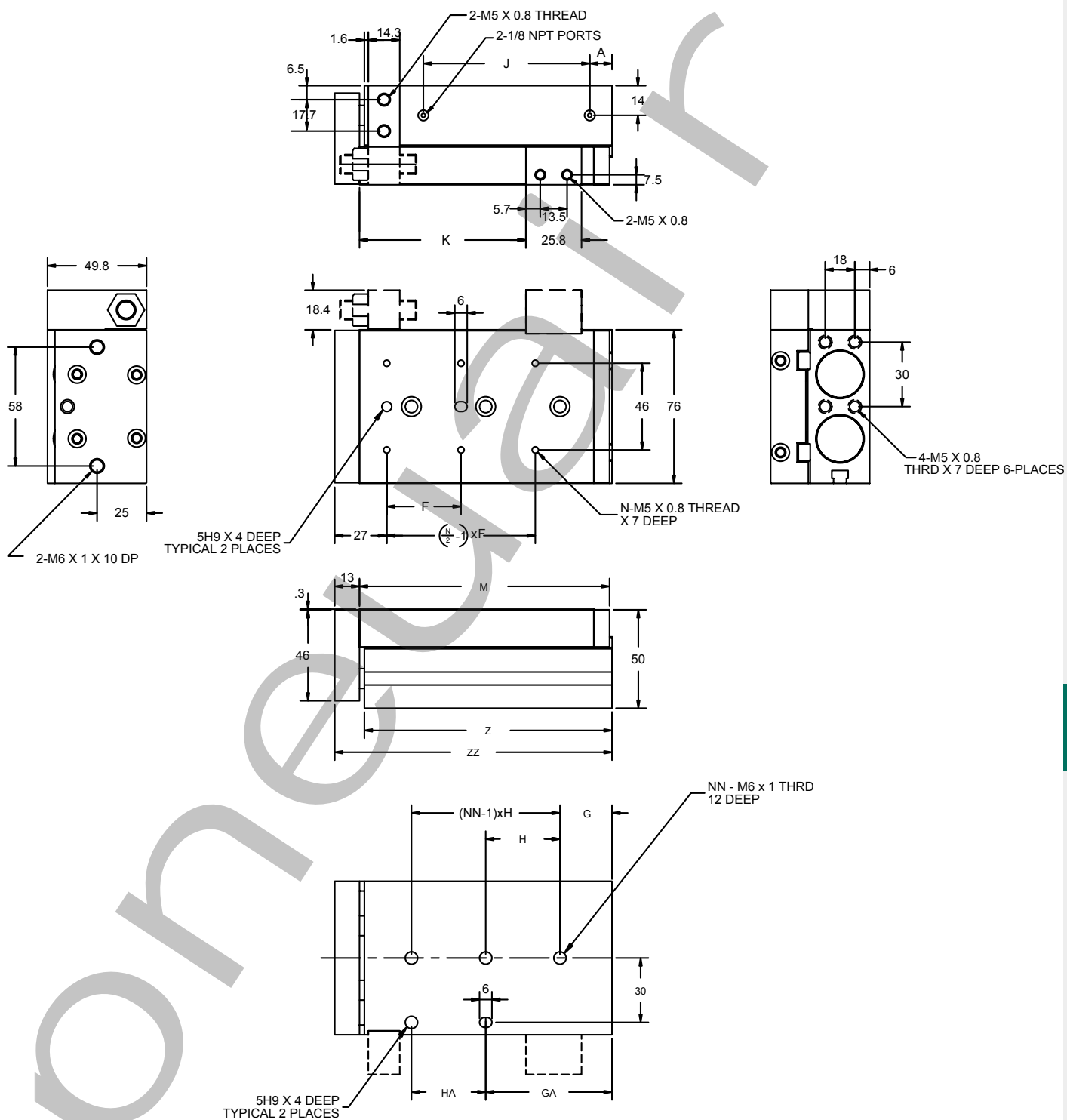
	STROKE - MM (INCHES)						
	10	20	30	40	50	75	100
A	10.0 (0.39)	10.0 (0.39)	10.0 (0.39)	10.0 (0.39)	10.5 (0.39)	10.5 (0.41)	10.5 (0.41)
F	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)	60.0 (2.36)	35.0 (1.38)	60.0 (2.36)	70.0 (2.76)
G	15.0 (0.59)	15.0 (0.59)	15.0 (0.59)	15.0 (0.59)	15.0 (0.59)	19.0 (0.75)	37.0 (1.46)
GA	25.0 (0.98)	25.0 (0.98)	25.0 (0.98)	35.0 (1.38)	50.0 (1.97)	54.0 (2.13)	107 (4.21)
H	45.0 (1.77)	45.0 (1.77)	45.0 (1.77)	55.0 (2.16)	35.0 (1.38)	35.0 (1.38)	35.0 (1.38)
HA	35.0 (1.38)	35.0 (1.38)	35.0 (1.38)	35.0 (1.38)	35.0 (1.38)	70.0 (2.76)	70.0 (2.76)
J	45.6 (1.80)	45.6 (1.80)	45.6 (1.80)	55.0 (2.19)	70.1 (2.76)	109.1 (4.30)	162.1 (6.38)
K	29.3 (1.15)	39.3 (1.55)	49.3 (1.94)	59.3 (2.33)	69.3 (2.73)	94.3 (3.71)	119.3 (4.70)
M	83.0 (3.27)	83.0 (3.27)	83.0 (3.27)	93.0 (3.66)	108.0 (4.25)	147.0 (5.79)	200.0 (7.87)
N	4.0	4.0	4.0	4.0	6.0	6.0	6.0
NN	2.0	2.0	2.0	2.0	3.0	4.0	5.0
Z	81.5 (3.21)	81.5 (3.21)	81.5 (3.21)	91.5 (3.60)	106.5 (4.19)	145.5 (5.73)	198.5 (7.81)
ZZ	97.0 (3.82)	97.0 (3.82)	97.0 (3.82)	107.0 (4.21)	122.0 (4.80)	161.0 (6.34)	214.0 (8.43)



PST Series  
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PST20 Dimensions

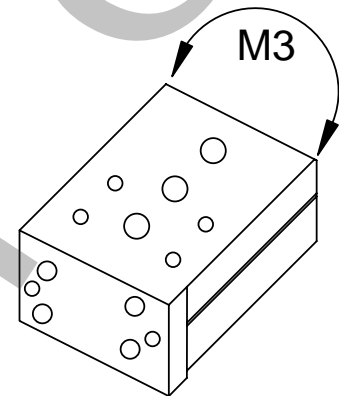
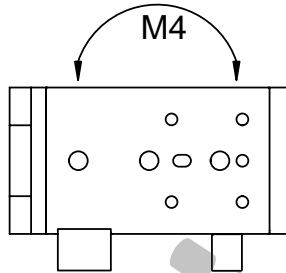
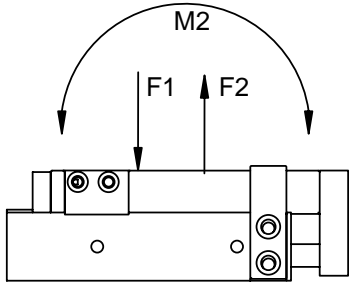




PST Series  
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PST25 Technical Specifications



NOTE: PST25 max. stroke 100mm

Technical Specifications

	PST25
M2 Nm (in.-lbs.)	34.3 (303.3)
M3 Nm (in.-lbs.)	45.1 (399.9)
M4 Nm (in.-lbs.)	41.1 (364.1)
F1: kg (lbs)	40.8 (90.0)
F2: kg (lbs)	28.6 (63.2)

Unit Output Force Table

BORE	EXTEND	RETRACT
25 (piston area inches sq.)	1.522	1.171
25 (piston area mm sq.)	982.0	756.0

Example:  
Pounds = PSI x Piston Area inches sq.  
Newtons = MPa x Piston Area mm sq.

PST25 Dimensions

	STROKE - MM (INCHES)						
	10	20	30	40	50	75	100
A	8.89 (0.35)	8.89 (0.35)	8.89 (0.35)	8.89 (0.35)	12.09 (0.48)	12.07 (0.48)	12.07 (0.48)
F	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)	60.0 (2.36)	35.0 (1.38)	59.94 (2.36)	70.0 (2.76)
G	22.0 (0.87)	22.0 (0.87)	22.0 (0.87)	22.48 (0.89)	20.02 (0.79)	26.01 (1.02)	32.00 (1.26)
GA	22.0 (0.87)	22.0 (0.87)	22.0 (0.87)	22.0 (0.87)	55.02 (2.17)	60.96 (2.40)	102.01 (4.02)
H	45.0 (1.77)	45.0 (1.77)	45.0 (1.77)	55.0 (2.16)	35.0 (1.38)	35.0 (1.38)	35.0 (1.38)
HA	45.0 (1.77)	45.0 (1.77)	45.0 (1.77)	55.0 (2.16)	35.0 (1.38)	70.0 (2.76)	70.0 (2.76)
J	50.80 (2.00)	50.80 (2.00)	50.80 (2.00)	61.01 (2.40)	70.82 (2.79)	111.84 (4.40)	152.83 (6.02)
K	30.86 (1.22)	40.84 (1.61)	50.80 (2.00)	60.86 (2.40)	70.87 (2.79)	95.86 (3.77)	120.85 (4.76)
M	92.00 (3.62)	92.00 (3.62)	92.00 (3.62)	102.01 (4.02)	115.01 (4.53)	156.01 (6.14)	197.00 (7.76)
N	4.0	4.0	4.0	4.0	6.0	6.0	6.0
NN	2.0	2.0	2.0	2.0	3.0	4.0	5.0
Z	90.50 (3.60)	90.50 (3.60)	90.50 (3.60)	100.97 (3.97)	113.51 (4.47)	154.5 (6.08)	195.50 (7.70)
ZZ	107.99 (4.25)	107.99 (4.25)	107.99 (4.25)	118.0 (4.65)	131.00 (5.16)	172.00 (6.77)	212.99 (8.39)





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PST25 Dimensions

