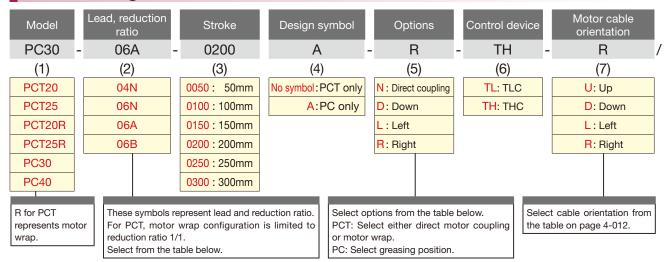
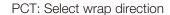
Model Configuration with Servo Driver Controller TLC/THC

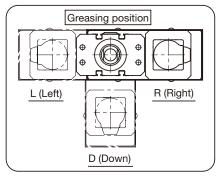


Combinations

Model (1)	Lead, reduction ratio (2)	Stroke (3)	Design symbol (4)	Control device (6)	Motor rated output (8)		·		Home position method (9)	Power supply voltage (10)
PCT20 PCT20R	06N	0050 to 0200	No symbol	TL: TLC	M05 M05B	50W	D00 M	DC: 24VDC		
PCT25	06N	0050 to 0300	No overhol	TH: THC	M10 M10B	100W	D00: Motor side or R00: Reverse motor side	D1: 100V		
PCT25R	or 04N	0050 10 0300	No symbol	In: Inc	M20 M20B	200W	nou. neverse motor side	or D2: 200V		
PC30	06A	0050 to 0250	А	TH: THC	M40 M40B	400W	D00: Motor side	D1: 100V or D2: 200V		
PC40	06B				M75 M75B	750W		D2: 200V		

Options: Motor wrap direction or greasing position

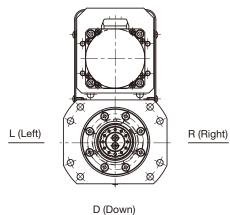




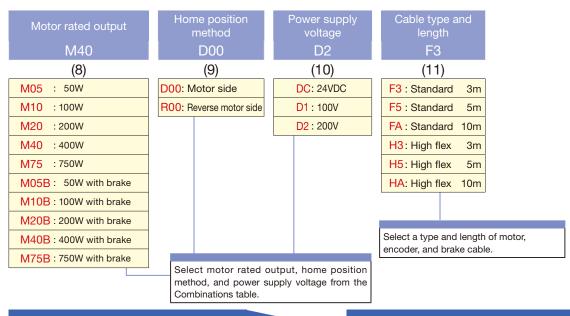
(Seen from side A)



PC: Select greasing position

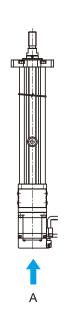


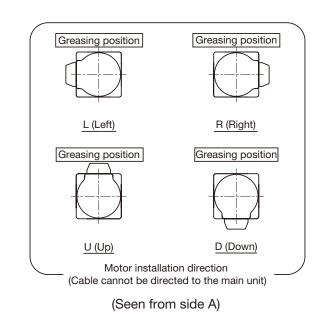
Features

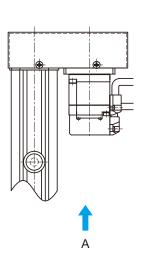


Motor cable orientation when directly coupled (PCT)

Motor cable orientation when wrapped (PCT)

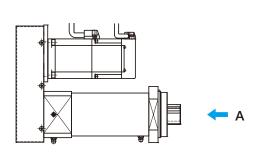






Motor cable orientation (PC)

Motor cable orientation	Up	Left	Right
Symbol	U	L	R
Motor cable orientation (Seen from side A)			



PCT20

Press series

Rod diameter: 20mm, Direct motor coupling, 50W type

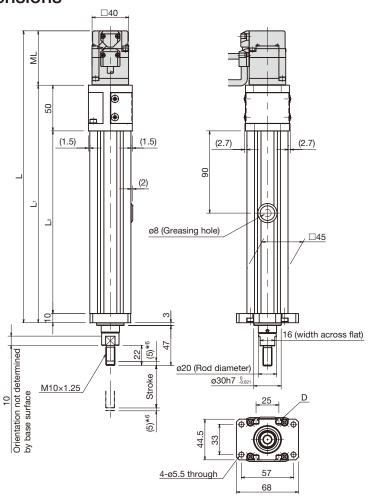
Specifications

Moto	50			
Ball	screw lead [m	m]		6
Ra	ted thrust *1 [N	1]		133
Instantaneo	us maximum th	nrust *2 [N]	402
Bra	ake retention [N	J]		133
Rate	d speed *3 [mn	n/s]		300
Position	±0.010			
Lo	st motion [mm]		0.1
Rod non-	rotational accu	ıracy [°]		±1
Maximum load capacity *4	Acceleration and	Horizontal mount	0.3G	20
[kg]	5			
Rui	nning life *5 [kn	n]		5,000

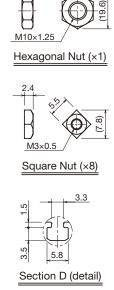
- *1 At rated motor torque.
- *2 Dependent on permissible axial load.
- *3 At rated motor speed.
- *4 At rated speed.
- *5 Conditions: Under maximum load capacity (with LM guide), at rated speed, 0.3G acceleration and deceleration rate.

Dimensions

Controller PCT/PC US/USW KRF/KSF



Direct motor coupling type with motor cable orientation right (R).



*6 Stroke up to mechanical stopper.

	Stroke [mm] (Stroke between mechanical stoppers)		100 (110)	150 (160)	200 (210)	
Maximum speed *7 [mm/s] Ball screw lead: 6mm		300 230				
	L	319.5 (355.1)	369.5 (405.1)	419.5 (455.1)	469.5 (505.1)	
Dimensions *8	L ₁	260	310	360	410	
[mm]	L_2	200	250	300	350	
ML			59.5	(95.1)		
Weight *8 [kg]	With motor	1.9 (2.1)	2.1 (2.3)	2.3 (2.5)	2.5 (2.7)	

^{*7} Dependent on motor speed (at 3,000min⁻¹) and permissible rotational speed of the ball screw.



^{*8} Values when brake is installed are shown in parentheses.

PCT20R Press series Rod diameter: 20mm, Motor wrap, 50W type

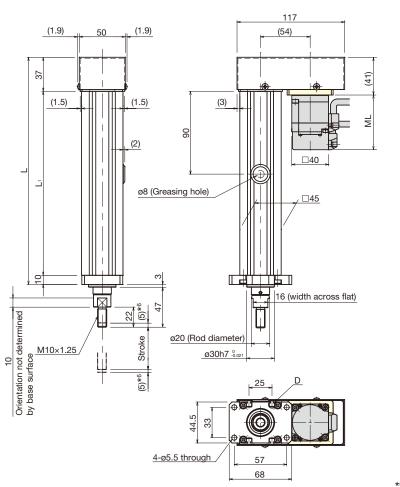


Specifications

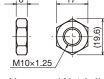
Moto	50			
Ball	screw lead [m	m]		6
Ra	ted thrust *1 [N	1]		133
Instantaneo	us maximum tl	nrust *2 [N]	402
Bra	ake retention [N	۷]		133
Rate	300			
Position	±0.010			
Lo	st motion [mm]		0.1
Rod non-	rotational accu	uracy [°]		±1
Maximum load capacity *4	Acceleration and	Horizontal mount	0.3G	20
[kg]	5			
Rui	nning life *5 [kr	n]		5,000

- *1 At rated motor torque.
- *2 Dependent on permissible axial load.
- *3 At rated motor speed.
- *4 At rated speed.
- *5 Conditions: Under maximum load capacity (with LM guide), at rated speed, 0.3G acceleration and deceleration rate.

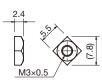
Dimensions



Motor wrap type with motor cable orientation right (R).



Hexagonal Nut (x1)



Square Nut (×8)



Section D (detail)

^{*6} Stroke up to mechanical stopper.

Stroke [mm] (Stroke between mechanical stoppers)		50 (60)	200 (210)		
Maximum speed * ⁷ [mm/s]	speed *7 Ball screw lead: 6mm 300				230
D: . *8	L	247	297	347	397
Dimensions *8 [mm]	L ₁	200	250	300	350
ML			59.5	(95.1)	
Weight *8 [kg]	With motor	2.0 (2.2)	2.2 (2.4)	2.4 (2.6)	2.6 (2.8)

^{*7} Dependent on motor speed (at 3,000min⁻¹) and permissible rotational speed of the ball screw.

^{*8} Values when brake is installed are shown in parentheses.

PCT25

Press series

Rod diameter: 25mm, Direct motor coupling, 100W type

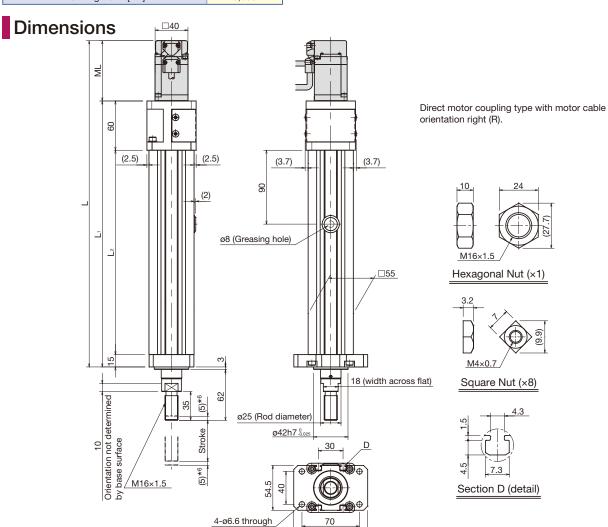


Specifications

Moto	10	00			
Ball	screw lead [m	m]		6	4
Ra	ted thrust *1 [N	1]		266	400
Instantaneo	us maximum th	nrust *² [N]	796	1,194
Bra	ake retention [N	1]		266	400
Rated speed *3 [mm/s]				300	200
Positioning repeatability [mm]				±0.010	
Lo	st motion [mm]		0.1	
Rod non-	rotational accu	ıracy [°]		±	1
Maximum load capacity *4	Acceleration and	Horizontal mount	0.3G	35	40
[kg]	10	10			
Rui	Running life *5 [km]				000

- *1 At rated motor torque.
- *2 Dependent on permissible axial load.
- *3 At rated motor speed.
- *4 At rated speed.
- *5 Conditions: Under maximum load capacity (with LM guide), at rated speed, 0.3G acceleration and deceleration rate.

*6 Stroke up to mechanical stopper.



Stroke [mm] (Stroke between mechanical stoppers)		50 (60)	100 (110)	150 (160)	200 (210)	250 (260)	300 (310)
Maximum	Ball screw lead: 6mm		300		260	200	160
speed *7 [mm/s]	Ball screw lead: 4mm		20	00		160	130
	L	397.5 (433.1)	447.5 (483.1)	497.5 (533.1)	547.5 (583.1)	597.5 (633.1)	647.5 (683.1)
Dimensions *8	L ₁	324	374	424	474	524	574
[mm]	L_2	249	299	349	399	449	499
	ML			73.5(109.1)		
Weight *8 [kg]	With motor	3.4 (3.6) 3.7 (3.9) 4.0 (4.2) 4.4 (4.6) 4.7 (4.9) 5					5.0 (5.2)

90

^{*8} Values when brake is installed are shown in parentheses.





^{*7} Dependent on motor speed (at 3,000min⁻¹) and permissible rotational speed of the ball screw.

PCT25R Press series Rod diameter: 25mm, Motor wrap, 100W type



Specifications

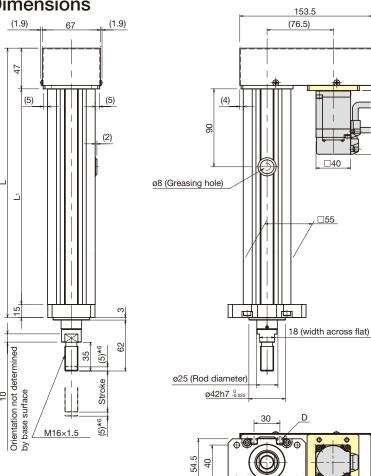
Moto	10	00			
Ball	screw lead [m	m]		6	4
Ra	ted thrust *1 [N	1]		266	400
Instantaneo	us maximum tl	nrust *2 [N]	796	1,194
Bra	ake retention [N	۷]		266	400
Rated speed *3 [mm/s]					200
Positioning repeatability [mm]				±0.010	
Lo	st motion [mm]		0.1	
Rod non-	rotational accu	uracy [°]		±	1
Maximum load capacity *4	Acceleration and	Horizontal mount	0.3G	35	40
[kg]	10	10			
Rui	nning life *5 [kr	n]		5,0	000

- *1 At rated motor torque.
- *2 Dependent on permissible axial load.

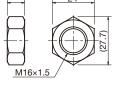
(49)

- *3 At rated motor speed.
- *4 At rated speed.
- *5 Conditions: Under maximum load capacity (with LM guide), at rated speed, 0.3G acceleration and deceleration rate.

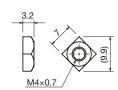
Dimensions



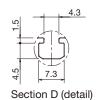
Motor wrap type with motor cable orientation right (R).



Hexagonal Nut (×1)



Square Nut (×8)



*6 Stroke up to mechanical stopper.

(Stroke be	Stroke [mm] tween mechanical stoppers)	50 (60)	100 (110)	150 (160)	200 (210)	250 (260)	300 (310)
Maximum	Ball screw lead: 6mm		300		260	200	160
speed *7 [mm/s]	Ball screw lead: 4mm		20	00		160	130
D: *8	L	311	361	411	461	511	561
Dimensions *8 [mm]	L ₁	249	299	349	399	449	499
[111111]	ML		73.5 (109.1)				
Weight *8 [kg]	With motor	3.6 (3.8)	3.9 (4.1)	4.3 (4.5)	4.6 (4.8)	4.9 (5.1)	5.2 (5.4)

^{*7} Dependent on motor speed (at 3,000min⁻¹) and permissible rotational speed of the ball screw.

4-ø6.6 through

^{*8} Values when brake is installed are shown in parentheses.

PCT25

Press series

Rod diameter: 25mm, Direct motor coupling, 200W type

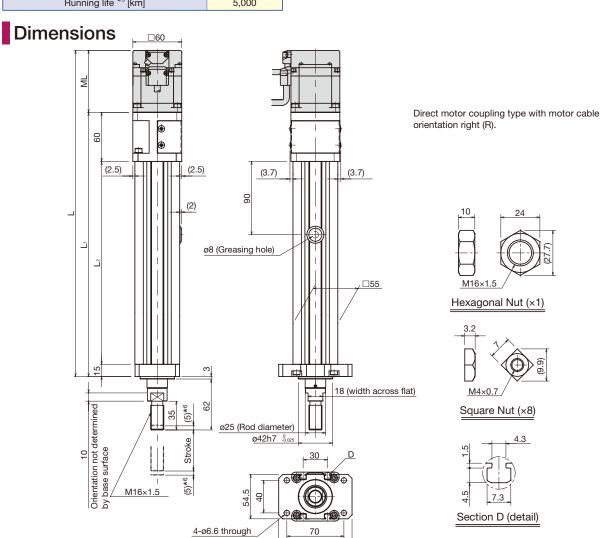


Specifications

Moto	20	00				
Ball	Ball screw lead [mm]					
Ra	ted thrust *1 [N	1]		536	804	
Instantaneo	us maximum th	nrust *2 [N]	1,600	2,400	
Bra	ake retention [N	J]		536	804	
Rated speed *3 [mm/s]				300	200	
Positioning repeatability [mm]				±0.010		
Lo	st motion [mm]		0.1		
Rod non-	rotational accu	ıracy [°]		±	1	
Maximum load capacity *4	Acceleration and	Horizontal mount	0.3G	50	55	
[kg]	20	20				
Rui	Running life *5 [km]				5,000	

- *1 At rated motor torque.
- *2 Dependent on permissible axial load.
- *3 At rated motor speed.
- *4 At rated speed.
- *5 Conditions: Under maximum load capacity (with LM guide), at rated speed, 0.3G acceleration and deceleration rate.

*6 Stroke up to mechanical stopper.



Stroke [mm] (Stroke between mechanical stoppers)		50 (60)	100 (110)	150 (160)	200 (210)	250 (260)	300 (310)
Maximum	Ball screw lead: 6mm		300		260	200	160
speed *7 [mm/s]	Ball screw lead: 4mm	200				160	130
	L	400.1 (434.7)	450.1 (484.7)	500.1 (534.7)	550.1 (584.7)	600.1 (634.7)	650.1 (684.7)
Dimensions *8	L ₁	324	374	424	474	524	574
[mm]	L ₂	249	299	349	399	449	499
	ML	76.1 (110.7)					
Weight *8 [kg]	With motor	3.8 (4.3) 4.1 (4.6) 4.5 (5.0)			4.8 (5.3)	5.1 (5.6)	5.4 (5.9)

90



^{*7} Dependent on motor speed (at 3,000min⁻¹) and permissible rotational speed of the ball screw.

^{*8} Values when brake is installed are shown in parentheses.

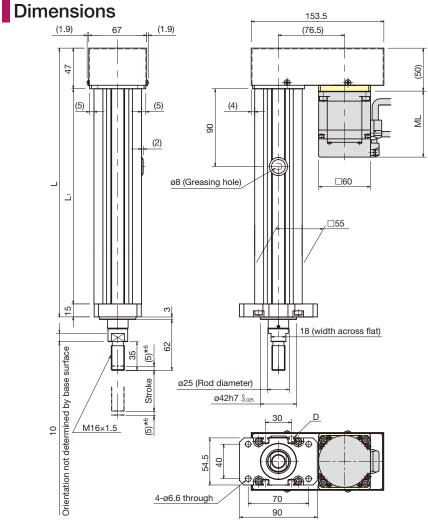
PCT25R Press series Rod diameter: 25mm, Motor wrap, 200W type



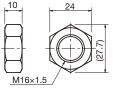
Specifications

Motor rated output [W]					200	
Ball screw lead [mm]					4	
Rated thrust *1 [N]					804	
Instantaneous maximum thrust *2 [N]					2,400	
Brake retention [N]					804	
Rated speed *3 [mm/s]					200	
Position	±0.010					
Lost motion [mm]					0.1	
Rod non-	±1					
Maximum load capacity *4 [kg]	Acceleration and deceleration rate	Horizontal mount	0.3G	50	55	
		Vertical mount	0.3G	20	20	
Running life *5 [km]				5,000		

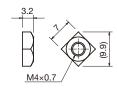
- *1 At rated motor torque.
- *2 Dependent on permissible axial load.
- *3 At rated motor speed.
- *4 At rated speed.
- *5 Conditions: Under maximum load capacity (with LM guide), at rated speed, 0.3G acceleration and deceleration rate.



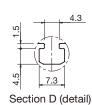
Motor wrap type with motor cable orientation right (R).



Hexagonal Nut (x1)



Square Nut (×8)



*6 Stroke up to mechanical stopper.

Stroke [mm] (Stroke between mechanical stoppers)		50 (60)	100 (110)	150 (160)	200 (210)	250 (260)	300 (310)
Maximum Ball screw lead: 6mm		300			260	200	160
speed *7 [mm/s]	Ball screw lead: 4mm	200				160	130
Dimensions *8 [mm]	L	311	361	411	461	511	561
	L ₁	249	299	349	399	449	499
	ML	76.1 (110.7)					
Weight *8 [kg]	With motor	4.0 (4.5)	4.3 (4.8)	4.7 (5.2)	5.0 (5.5)	5.3 (5.8)	5.7 (6.2)

^{*7} Dependent on motor speed (at 3,000min⁻¹) and permissible rotational speed of the ball screw.

^{*8} Values when brake is installed are shown in parentheses.