

These definitions/descriptions are for the Product Specifications listed on the Electric Cylinder pages. Additional technical information on the preceding

pages is designed to help in selecting the cylinder that is best for the application. For additional assistance please contact Nook Industries.

DD & RAD CYLINDERS

Model Type and Number See page 362 for reference number configuration information.

Travel Rate Measured in inches per minute at full dynamic load.

Dynamic Capacity Measured in pounds.

Rated Life Measured in millions of inches (ball screw models only). Based on the ball screw cylinder only dynamic capacity.

Standard Motor HP Rating See page 349 for additional motor information.

Standard Brake Torque Measured in (pound-feet).

Approximate Stopping Distance These values are used when initially setting the limit switches. Stopping distances are approximate. Large inertia forces, such as loads moved at high speed supported on anti-friction guides may affect stopping distance. **INERTIAL LOADS SHOULD BE EVALUATED TO BE SURE IT DOES NOT EXCEED THE UNITS DYNAMIC CAPACITY.**

Motor Length Measured in inches.

Max Rod Reaction Torque Based on full dynamic load. Torque will be proportionally lower for lower loads.

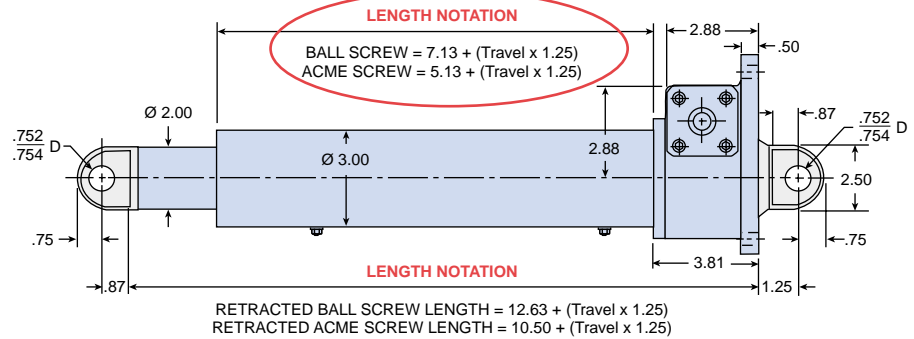
Basic Weight See specific units for weight. These weights do not include motor weight.

ELECTRIC CYLINDER SUMMARY

RAD-25 BALL SCREW MODELS										
MODEL NUMBER	TRAVEL RATE [in./min.]	DYNAMIC CAPACITY [lb.]	RATED LIFE [in. x 10 ⁶]	STD. MOTOR HP RATING [ref.]	STD BRAKE TORQUE [ft.-lb.]	APPROX. STOPPING DISTANCE [in.]		MOTOR LENGTH ["Y" = in.]	MAXIMUM ROD REACTION TORQUE [in.-lb.]	BASIC WEIGHT [lbs.]
						No Load	Full Load			
RAD-2566-HL / 103	48	3,550	.22	1	6	.08	.08	14.78	628	46
RAD-2562-HL / 103	24	5,000	.08	1	6	.04	.04	14.78	885	46
RAD-2566-ML / 053	24	5,000	.33	.5	3	.014	.014	13.78	443	46
RAD-2562-HD / 033	6	5,000	.03	.33	3	.007	.007	13.78	221	46
RAD-2546-HD / 023	3	5,000	.03	.25	3	.003	.003	13.78	221	46

DD & RAD CYLINDERS CONTINUED

Length Notation to determine standard extended and retracted length use the formula for each specific model/capacity. For special retracted lengths please contact Nook. **WARNING!** Any change to standard lengths may compromise the cylinder's compression load carrying capacity.



ELECTRIC CYLINDER SUMMARY

ILA CYLINDERS

Model Type and Number See page 376 for reference number configuration information.

Max Load Thrust capacity Measured in pounds.

Max Input Torque Measured in (inch-pounds)

Max Travel Rate Measured in inches per minute

Ball Screw See individual ball screw page for screw specifications. Lead accuracy of 0.004"/ft.

Torque Per lb. Torque, in inch-pounds, required to generate one pound of output force. This is also the rod reaction torque.

ILA-25 & ILAK-25 BALL SCREW MODELS

MODEL NUMBER	MAXIMUM LOAD [lb.]	MAX. INPUT TORQUE [in.-lb.]	MAX. TRAVEL RATE [in./min.]	BALL SCREW	TORQUE PER LB. [in.-lb.]	DIMENSIONS	
						A	B
ILA-25 HL	2,200	390	3,000	1000-1000 SRT	0.177	3.00	1.50
ILA-25-ML	3,500	308	1,500	1000-0500 SRT	0.088	3.00	1.50
ILA-25-HD	3,500	154	750	1000-0250 SRT	0.035	3.00	1.50
ILAK-25 HL (Keyed)	2,200	390	3,000	1000-1000 SRT	0.177	4.00	1.25
ILAK-25-ML (Keyed)	3,500	308	1,500	1000-0500 SRT	0.088	4.00	1.25
ILAK-25-HD (Keyed)	3,500	154	750	1000-0250 SRT	0.035	4.00	1.25

ROD REACTION TORQUE = TORQUE PER LB. x LOAD

NOTE: CYLINDER IS SELF-LOWERING. LIFTING SCREW MUST BE SECURED TO PREVENT ROTATION.