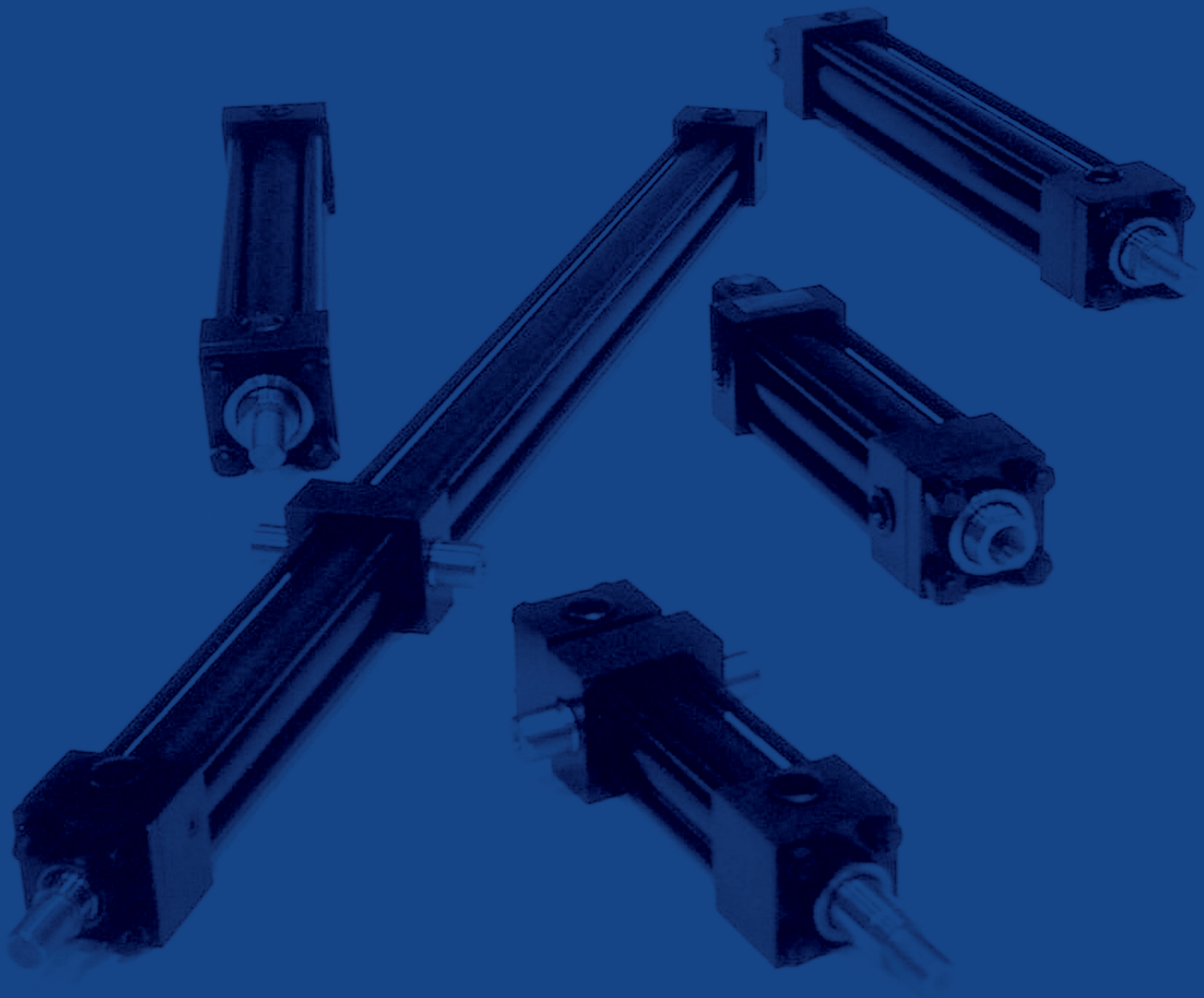




RLA
ROCKFORD LINEAR ACTUATION, INC.



Experience Leadership

Founded in 2001, Rockford Linear Actuation (RLA) is wise well beyond its years. With each employee bringing extensive experience in the industry, we're a team of seasoned professionals. How does that benefit our customers?

Our designers have an intuitive understanding of our customers' needs and know their craft so well that they welcome the challenge of designing specialty products.

Our manufacturing team is so cohesive that they can handle large orders, specialty orders and the average run-of-the-mill order, all without breaking a sweat.

Our sales team knows how to help a customer through the ordering process and their experience enables them to know with certainty that they can order, manufacture and ship all within the customers' deadline.

Building a team with this kind of experience allows RLA to exceed the expectations of customers like you.

Serving local, national and international customers, RLA takes advantage of the rich design and manufacturing heritage surrounding its headquarters in Rockford, Illinois.

RLA's deep understanding of every aspect of the cylinder industry enables us to design and manufacture the highest quality products, while still offering competitive prices and unbeatable customer service. With a pool of experienced employees, RLA is a growing, dominating force in this industry.

Products That Stand Out

With our industry experience, RLA is a trusted business partner with distributors throughout the world. We've earned this trust by designing and manufacturing high-quality products that are cost-effective and delivered on time...

HY Series Heavy Duty Hydraulic Cylinders

NFPA Interchangeable

Pressures up to 3000 psi

1-1/2" to 20" bore; 20 mounting styles

PH Series Medium Duty Hydraulic Cylinders

NFPA Interchangeable

Pressures up to 1500 psi

1-1/2" to 20" bore; 20 mounting styles

HN Series Heavy Duty Pneumatic Cylinders

NFPA Interchangeable

Pressures up to 200 psi

1-1/2" to 20" bore; 20 mounting styles

PN Series Medium Duty Pneumatic Cylinders

NFPA Interchangeable

Pressures up to 200 psi

1-1/2" to 20" bore; 20 mounting styles

PA Series Aluminum Tube Pneumatic Cylinders

NFPA Interchangeable

Pressures up to 200 psi

1-1/2" to 20" bore; 20 mounting styles

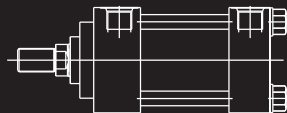
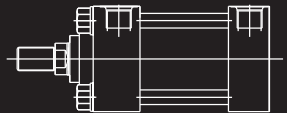
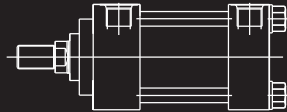
AA Series All Aluminum Pneumatic Cylinders

NFPA Interchangeable

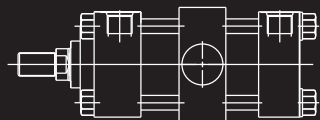
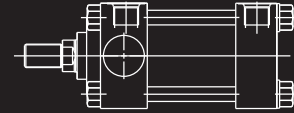
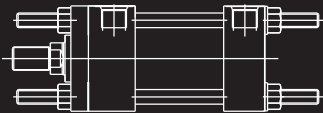
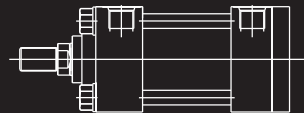
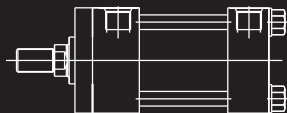
Pressures up to 200 psi

1-1/2" to 8" bore; 18 mounting styles

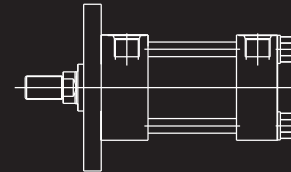
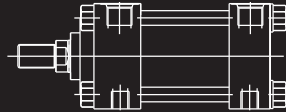
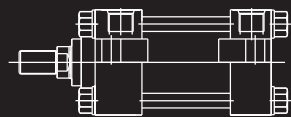
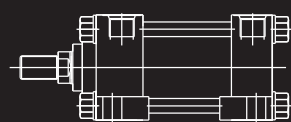
NFPA Mounting Styles



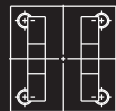
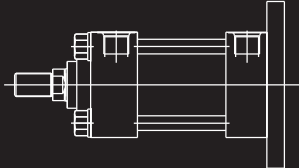
Technical drawing of a mechanical part, likely a shaft or housing, showing a cross-section with a central hole and various diameters and dimensions.



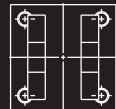
The drawing shows a square plate with a central circular hole and four smaller circular holes at the corners. The top view (plan) is a square with a central circle and four corner circles. The front view (elevation) shows the square plate with the central hole and the four corner holes. The side view (profile) shows the square plate with the central hole and the four corner holes. The drawing is a technical representation of a mechanical part.



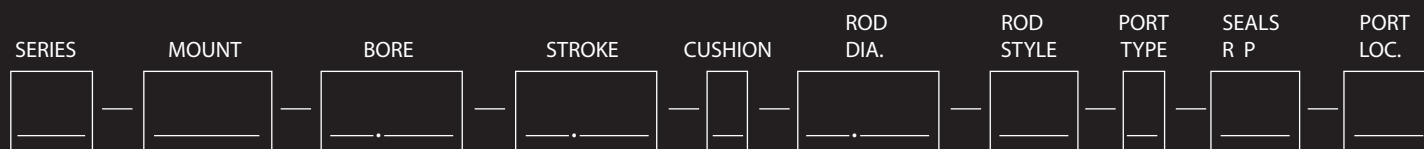
The diagram consists of a central circle containing several concentric rings. Surrounding this central circle is a grid of smaller circles, each containing a cross-like symbol. The entire diagram is set against a dark background.



Technical drawing of a mechanical assembly. It shows a cross-section of a shaft with a pulley and a gear. The pulley is on the left, and the gear is on the right. The shaft is supported by bearings. The drawing includes dimensions and a title block.



RLA MODEL NUMBERING SYSTEM



EXAMPLE:

SERIES	MOUNT	BORE	STROKE	CUSHION	ROD DIA.	ROD STYLE	PORT TYPE	SEALS ROD, PISTON	PORT LOC.	SPECIAL
HY	MF1	2.50	X 10.00	B	1.00	SM	S	HN	11	X

SERIES:

HY = HYDRAULIC
HN = HEAVY DUTY PNEUMATIC
PN = PNEUMATIC
PH = MEDIUM DUTY HYDRAULIC
PA = ALUMINUM PNEUMATIC

CUSHION

N = NONE
H = HEAD
C = CAP
B = BOTH

PORT TYPE

N = NPTF
S = SAE
B = BSPP
M = MANIFOLD
F = FLANGE

PORT LOCATION



MOUNT:

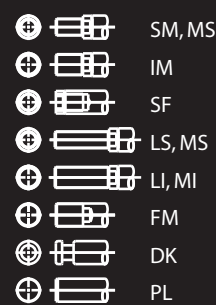
MF1 = HEAD RECTANGULAR FLANGE
MF2 = CAP RECTANGULAR FLANGE
MF5 = HEAD SQUARE FLANGE
MF6 = CAP SQUARE FLANGE
ME3 = HEAD SQUARE MOUNT*
ME4 = CAP SQUARE MOUNT*
ME5 = RECTANGULAR HEAD
ME6 = RECTANGULAR CAP
MS2 = SIDE LUGS
MS3 = CENTER-LINE LUGS
MS4 = SIDE TAPPED
MS7 = END LUGS
MP1 = CAP CLEVIS
MP2 = DETACHABLE CAP CLEVIS
MP3 = MONO CAP CLEVIS
MP5 = SPHERICAL BEARING CAP CLEVIS
MT1 = HEAD TRUNNION
MT2 = CAP TRUNNION
MT4 = INTERMEDIATE TRUNNION
MX1 = EXTENDED TIE RODS BOTH ENDS
MX2 = EXTENDED TIE RODS CAP END
MX3 = EXTENDED TIE RODS HEAD END
MX0 = NO MOUNT
* 8.00" BORE PN OR PH SERIES ONLY

ROD STYLE:

SM = SMALL MALE
IM = INTERMEDIATE MALE
FM = FULL MALE
SF = SMALL FEMALE
LS = LONG SMALL MALE
LI = LONG INTERMEDIATE MALE
MS = METRIC SMALL MALE
MI = METRIC INTERMEDIATE MALE
MF = METRIC FEMALE
DK = SAFE COUPLER
PL = PLAIN

ROD SEAL:

H = URETHANE LIP TYPE
N = NITRILE LIP TYPE
P = URETHANE POLYPAK
F = VITON POLYPAK
V = VITON LIP TYPE
J = URETHANE LIP TYPE WITH SCRAPER
S = NITRILE LIP TYPE WITH SCRAPER
G = VITON POLYPAK WITH SCRAPER
U = VITON LIP TYPE WITH SCRAPER



PISTON SEALS

N = NITRILE LIP TYPE
D = LOW FRICTION POLYPAK
P = URETHANE POLYPAK
R = CAST IRON RINGS
V = VITON LIP TYPE
B = TEFLON RADIAL SEAL WITH WEARBAND

SPECIAL: (-X) SPECIFY

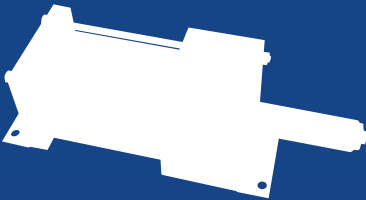
SPECIAL MOUNTING	ROD BOOTS	KEYPLATE	SPRING RETURN OR EXTEND
MODIFIED PARTS	SPECIAL PLATING	BRONZE BUSHING	STROKE ADJUSTERS
DRAINBACK	SPECIAL ROD END	STOP TUBE	NON-ROTATING ROD
AIR BLEEDERS	SPECIAL SEALS	INDICATOR SWITCHES	TANDEM
STAINLESS STEEL	BACK TO BACK	SPECIAL PAINT	ELECTRONIC FEEDBACK SYSTEMS



FOR DOUBLE END CYLINDER,
ADD "D" AFTER SERIES
(HY-D-MF1-)

Placing Your Order

In addition to designing and manufacturing the highest quality products, RLA is dedicated to serving our customers. In fact, RLA has established a Customer Service Group program that takes the stress out of ordering and waiting for the delivery of our products. This Integrated Business System includes customer confirmations sent via e-mail, electronic order follow-up, shipment updates as well as other customer specified information requests. Above is a chart that guides our customers through the ordering process. RLA representatives are also available to help with any questions by calling 815.986.4400.



Rockford Linear Actuation

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Rockford, IL 61104

www.rockfordlinear.com

Phone: 815.986.4400
Fax: 815.986.4410

Rockford Linear Actuation, Inc. (RLA) provides a twelve (12) month warranty from the date of shipment of goods, that the goods shipped are free from defects in materials and workmanship. Under this warranty, RLA will repair or replace the goods when a return goods authorization is provided to the buyer. This warranty does not cover damage from overloading, misapplication, accident or "worn out in service" conditions. This warranty does not include incidental or consequential damages of any kind, and expressly excludes such damages.

THIS WARRANTY IS IN LIEU OF ALL OTHER REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.