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Emerson Industrial Automation Introduces a New Full Line Bearing Catalog

Emerson is committed to providing the very best tools to assist you in the selection and specification of our premium quality bearing products.

Just released is a new, user-friendly catalog that provides a clear and easy way to find bearings for your power transmission needs. This 932-page catalog is the most comprehensive reference for a wide variety of precision unmounted and mounted bearing products available under the McGill®, Rollway®, Browning®, and Sealmaster® brands. It is the first time that Emerson's extensive range of bearing products have been consolidated into one, complete catalog.

In it, you will find detailed product specifications and data tables, useful product overviews, important features and benefits, straightforward part number guides, and many more selection tools to help pinpoint the bearing products that will get the job done for you and enhance performance of your application.



Table of Contents	
A	Bearing Basics
B	Cam Follower Bearings
C	Needle Bearings
D	Spherical Roller Bearings
E	Radial Roller Bearings
F	Thrust Bearings
G	Mounted Ball Bearings
H	Mounted Spherical Roller Bearings
I	Mounted Tapered Roller Bearings
J	Rod End and Spherical Plain Bearings
K	Corrosion Resistant Bearings
L	Accessories
M	Aerospace and Specialty
N	Legacy Product Substitution Guide
O	Index

Quickly find bearing of choice

Become familiar with the bearing

View construction of bearing

Understand the part numbers

Learn how the bearing can benefit you

As you flip through the pages, you will discover an easy-to-follow format beginning with a quick-find table of contents on page 7. Its color-coded layout allows you to save time by helping to instantly locate the desired bearing product and directing you to the corresponding data section. Each section contains a well-organized and detailed view of part attributes, dimensions, drawings, and additional technical information that makes bearing selection quick and efficient.

Mounted Ball Bearings
 Modular bearing assembly of sealed and lubricated ball bearing contained of housing types, ball mounting styles, and Mounted ball bearing friction solution when shafts with radial load.

Housing Styles
 Pillow Block, Flanges, Tapered Roller, Double Sealed, Eccentric.

Locking Styles
 Set screws, Double Set screws, Eccentric.

Base Diameter Size Run
 1/2" to 4 1/2" (12.7" And 20")

Housing Materials
 Cast & Ductile Iron, Steel

Sealmaster Gold Mounted Ball Bearings Nomenclature Inserts

Features and Benefits

- Wide Outer Ring**: The wide outer ring provides a wider outer ring. The wide outer ring is 1/4" to 1/2" wider than standard outer ring. This feature results in increased bearing life and allows for increased bearing capacity. A wider outer ring also allows for easier installation with the bearing in place.
- Lock Pins and Dimple**: The wide outer ring provides a wider outer ring. The wide outer ring is 1/4" to 1/2" wider than standard outer ring. This feature results in increased bearing life and allows for increased bearing capacity. A wider outer ring also allows for easier installation with the bearing in place.
- Full Seal with Flinger**: The wide outer ring provides a wider outer ring. The wide outer ring is 1/4" to 1/2" wider than standard outer ring. This feature results in increased bearing life and allows for increased bearing capacity. A wider outer ring also allows for easier installation with the bearing in place.
- Single Lip Contact Seal**: The wide outer ring provides a wider outer ring. The wide outer ring is 1/4" to 1/2" wider than standard outer ring. This feature results in increased bearing life and allows for increased bearing capacity. A wider outer ring also allows for easier installation with the bearing in place.
- Multiple Locking Methods**: The wide outer ring provides a wider outer ring. The wide outer ring is 1/4" to 1/2" wider than standard outer ring. This feature results in increased bearing life and allows for increased bearing capacity. A wider outer ring also allows for easier installation with the bearing in place.
- Skewdicut® Concentric Locking**: The wide outer ring provides a wider outer ring. The wide outer ring is 1/4" to 1/2" wider than standard outer ring. This feature results in increased bearing life and allows for increased bearing capacity. A wider outer ring also allows for easier installation with the bearing in place.

NPS Series Standard Duty Pillow Block - Set Screw Locking													
Bore Dia. (in)	Bore Dia. (mm)	Bore Dia. (in)	Bore Dia. (mm)	Bore Dia. (in)	Bore Dia. (mm)	Bore Dia. (in)	Bore Dia. (mm)	Bore Dia. (in)	Bore Dia. (mm)	Bore Dia. (in)	Bore Dia. (mm)	Load Capacity (lb)	
												Static	Dynamic
1/2	12.7	1/2	12.7	1/2	12.7	1/2	12.7	1/2	12.7	1/2	12.7	100	100
5/8	15.875	5/8	15.875	5/8	15.875	5/8	15.875	5/8	15.875	5/8	15.875	150	150
3/4	19.05	3/4	19.05	3/4	19.05	3/4	19.05	3/4	19.05	3/4	19.05	200	200
7/8	22.225	7/8	22.225	7/8	22.225	7/8	22.225	7/8	22.225	7/8	22.225	250	250
1	25.4	1	25.4	1	25.4	1	25.4	1	25.4	1	25.4	300	300
1 1/8	31.75	1 1/8	31.75	1 1/8	31.75	1 1/8	31.75	1 1/8	31.75	1 1/8	31.75	400	400
1 1/4	38.1	1 1/4	38.1	1 1/4	38.1	1 1/4	38.1	1 1/4	38.1	1 1/4	38.1	500	500
1 3/8	44.45	1 3/8	44.45	1 3/8	44.45	1 3/8	44.45	1 3/8	44.45	1 3/8	44.45	600	600
1 1/2	50.8	1 1/2	50.8	1 1/2	50.8	1 1/2	50.8	1 1/2	50.8	1 1/2	50.8	700	700
1 5/8	57.15	1 5/8	57.15	1 5/8	57.15	1 5/8	57.15	1 5/8	57.15	1 5/8	57.15	800	800
1 3/4	63.5	1 3/4	63.5	1 3/4	63.5	1 3/4	63.5	1 3/4	63.5	1 3/4	63.5	900	900
1 7/8	69.85	1 7/8	69.85	1 7/8	69.85	1 7/8	69.85	1 7/8	69.85	1 7/8	69.85	1000	1000
2	76.2	2	76.2	2	76.2	2	76.2	2	76.2	2	76.2	1100	1100
2 1/8	82.55	2 1/8	82.55	2 1/8	82.55	2 1/8	82.55	2 1/8	82.55	2 1/8	82.55	1200	1200
2 1/4	88.9	2 1/4	88.9	2 1/4	88.9	2 1/4	88.9	2 1/4	88.9	2 1/4	88.9	1300	1300
2 3/8	95.25	2 3/8	95.25	2 3/8	95.25	2 3/8	95.25	2 3/8	95.25	2 3/8	95.25	1400	1400
2 1/2	101.6	2 1/2	101.6	2 1/2	101.6	2 1/2	101.6	2 1/2	101.6	2 1/2	101.6	1500	1500
2 5/8	107.95	2 5/8	107.95	2 5/8	107.95	2 5/8	107.95	2 5/8	107.95	2 5/8	107.95	1600	1600
2 3/4	114.3	2 3/4	114.3	2 3/4	114.3	2 3/4	114.3	2 3/4	114.3	2 3/4	114.3	1700	1700
2 7/8	120.65	2 7/8	120.65	2 7/8	120.65	2 7/8	120.65	2 7/8	120.65	2 7/8	120.65	1800	1800
3	127	3	127	3	127	3	127	3	127	3	127	1900	1900
3 1/8	133.35	3 1/8	133.35	3 1/8	133.35	3 1/8	133.35	3 1/8	133.35	3 1/8	133.35	2000	2000
3 1/4	139.7	3 1/4	139.7	3 1/4	139.7	3 1/4	139.7	3 1/4	139.7	3 1/4	139.7	2100	2100
3 3/8	146.05	3 3/8	146.05	3 3/8	146.05	3 3/8	146.05	3 3/8	146.05	3 3/8	146.05	2200	2200
3 1/2	152.4	3 1/2	152.4	3 1/2	152.4	3 1/2	152.4	3 1/2	152.4	3 1/2	152.4	2300	2300
3 5/8	158.75	3 5/8	158.75	3 5/8	158.75	3 5/8	158.75	3 5/8	158.75	3 5/8	158.75	2400	2400
3 3/4	165.1	3 3/4	165.1	3 3/4	165.1	3 3/4	165.1	3 3/4	165.1	3 3/4	165.1	2500	2500
3 7/8	171.45	3 7/8	171.45	3 7/8	171.45	3 7/8	171.45	3 7/8	171.45	3 7/8	171.45	2600	2600
4	177.8	4	177.8	4	177.8	4	177.8	4	177.8	4	177.8	2700	2700
4 1/8	184.15	4 1/8	184.15	4 1/8	184.15	4 1/8	184.15	4 1/8	184.15	4 1/8	184.15	2800	2800
4 1/4	190.5	4 1/4	190.5	4 1/4	190.5	4 1/4	190.5	4 1/4	190.5	4 1/4	190.5	2900	2900
4 3/8	196.85	4 3/8	196.85	4 3/8	196.85	4 3/8	196.85	4 3/8	196.85	4 3/8	196.85	3000	3000
4 1/2	203.2	4 1/2	203.2	4 1/2	203.2	4 1/2	203.2	4 1/2	203.2	4 1/2	203.2	3100	3100
4 5/8	209.55	4 5/8	209.55	4 5/8	209.55	4 5/8	209.55	4 5/8	209.55	4 5/8	209.55	3200	3200
4 3/4	215.9	4 3/4	215.9	4 3/4	215.9	4 3/4	215.9	4 3/4	215.9	4 3/4	215.9	3300	3300
4 7/8	222.25	4 7/8	222.25	4 7/8	222.25	4 7/8	222.25	4 7/8	222.25	4 7/8	222.25	3400	3400
5	228.6	5	228.6	5	228.6	5	228.6	5	228.6	5	228.6	3500	3500
5 1/8	234.95	5 1/8	234.95	5 1/8	234.95	5 1/8	234.95	5 1/8	234.95	5 1/8	234.95	3600	3600
5 1/4	241.3	5 1/4	241.3	5 1/4	241.3	5 1/4	241.3	5 1/4	241.3	5 1/4	241.3	3700	3700
5 3/8	247.65	5 3/8	247.65	5 3/8	247.65	5 3/8	247.65	5 3/8	247.65	5 3/8	247.65	3800	3800
5 1/2	254	5 1/2	254	5 1/2	254	5 1/2	254	5 1/2	254	5 1/2	254	3900	3900
5 5/8	260.35	5 5/8	260.35	5 5/8	260.35	5 5/8	260.35	5 5/8	260.35	5 5/8	260.35	4000	4000
5 3/4	266.7	5 3/4	266.7	5 3/4	266.7	5 3/4	266.7	5 3/4	266.7	5 3/4	266.7	4100	4100
5 7/8	273.05	5 7/8	273.05	5 7/8	273.05	5 7/8	273.05	5 7/8	273.05	5 7/8	273.05	4200	4200
6	279.4	6	279.4	6	279.4	6	279.4	6	279.4	6	279.4	4300	4300
6 1/8	285.75	6 1/8	285.75	6 1/8	285.75	6 1/8	285.75	6 1/8	285.75	6 1/8	285.75	4400	4400
6 1/4	292.1	6 1/4	292.1	6 1/4	292.1	6 1/4	292.1	6 1/4	292.1	6 1/4	292.1	4500	4500
6 3/8	298.45	6 3/8	298.45	6 3/8	298.45	6 3/8	298.45	6 3/8	298.45	6 3/8	298.45	4600	4600
6 1/2	304.8	6 1/2	304.8	6 1/2	304.8	6 1/2	304.8	6 1/2	304.8	6 1/2	304.8	4700	4700
6 5/8	311.15	6 5/8	311.15	6 5/8	311.15	6 5/8	311.15	6 5/8	311.15	6 5/8	311.15	4800	4800
6 3/4	317.5	6 3/4	317.5	6 3/4	317.5	6 3/4	317.5	6 3/4	317.5	6 3/4	317.5	4900	4900
6 7/8	323.85	6 7/8	323.85	6 7/8	323.85	6 7/8	323.85	6 7/8	323.85	6 7/8	323.85	5000	5000
7	330.2	7	330.2	7	330.2	7	330.2	7	330.2	7	330.2	5100	5100
7 1/8	336.55	7 1/8	336.55	7 1/8	336.55	7 1/8	336.55	7 1/8	336.55	7 1/8	336.55	5200	5200
7 1/4	342.9	7 1/4	342.9	7 1/4	342.9	7 1/4	342.9	7 1/4	342.9	7 1/4	342.9	5300	5300
7 3/8	349.25	7 3/8	349.25	7 3/8	349.25	7 3/8	349.25	7 3/8	349.25	7 3/8	349.25	5400	5400
7 1/2	355.6	7 1/2	355.6	7 1/2	355.6	7 1/2	355.6	7 1/2	355.6	7 1/2	355.6	5500	5500
7 5/8	361.95	7 5/8	361.95	7 5/8	361.95	7 5/8	361.95	7 5/8	361.95	7 5/8	361.95	5600	5600
7 3/4	368.3	7 3/4	368.3	7 3/4	368.3	7 3/4	368.3	7 3/4	368.3	7 3/4	368.3	5700	5700
7 7/8	374.65	7 7/8	374.65	7 7/8	374.65	7 7/8	374.65	7 7/8	374.65	7 7/8	374.65	5800	5800
8	381	8	381	8	381	8	381	8	381	8	381	5900	5900
8 1/8	387.35	8 1/8	387.35	8 1/8	387.35	8 1/8	387.35	8 1/8	387.35	8 1/8	387.35	6000	6000
8 1/4	393.7	8 1/4	393.7	8 1/4	393.7	8 1/4	393.7	8 1/4	393.7	8 1/4	393.7	6100	6100
8 3/8	400.05	8 3/8	400.05	8 3/8	400.05	8 3/8	400.05	8 3/8	400.05	8 3/8	400.05	6200	6200
8 1/2	406.4	8 1/2	406.4										

To order your catalog and begin experiencing all that Emerson has to offer in precision unmounted and mounted bearings, please go to the Power Transmission Solutions site at www.emerson-ept.com. You can also view the interactive, page-flip version on this site or link to it directly at www.emersononlinecatalog.com.

