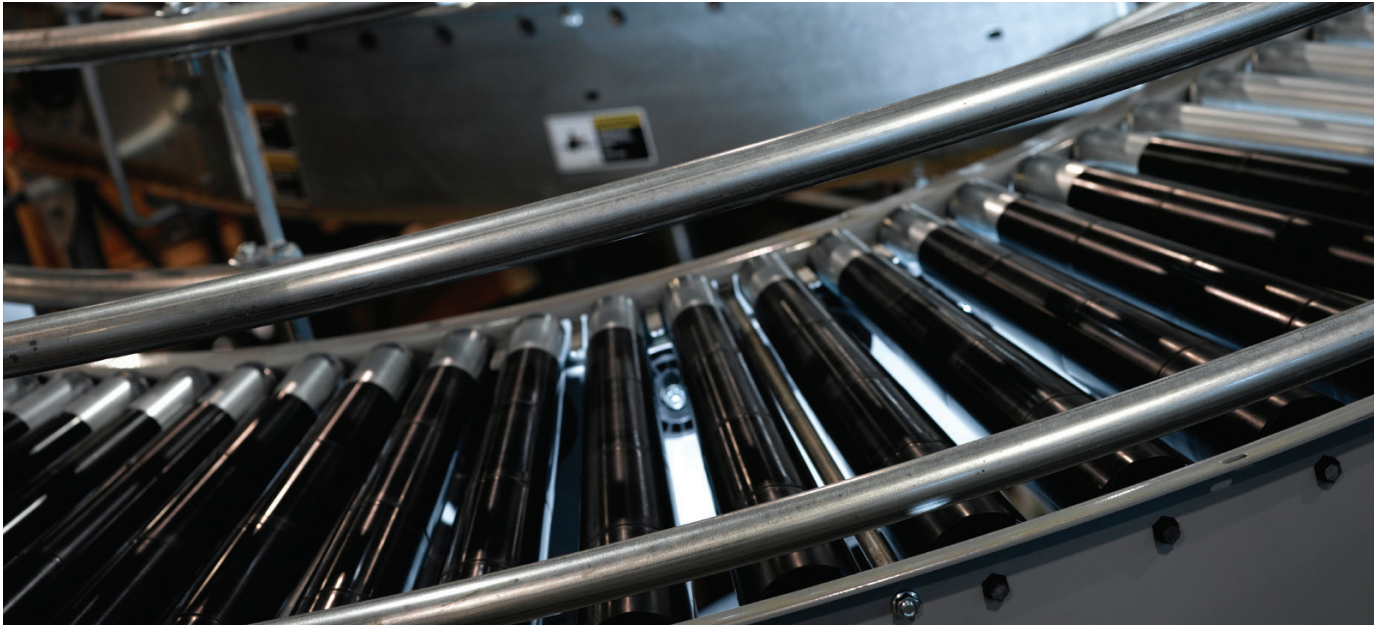




Trusted Difference at Every Turn



Insert Bearings Engineered for the Conveyor Industry

Conveyor system requirements are more demanding than ever. The high level of consumer demand coupled with the diversity of bulk materials requires durable, effective equipment.

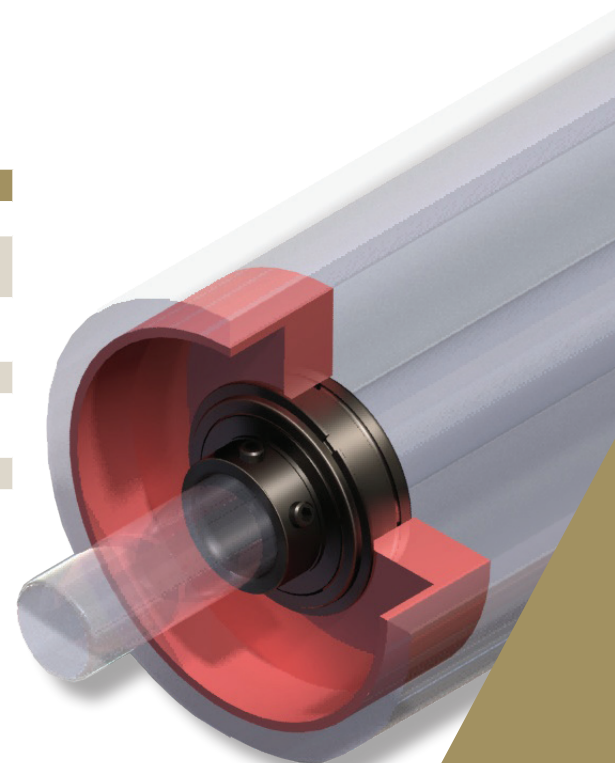
Conveyor technology has evolved to address the needs of automated manufacturing and distribution environments. Reliable components are necessary to reduce maintenance costs, maximize production efficiency, and increase uptime. As a critical component in conveyor systems, selecting the proper bearing and features is crucial to maximizing system performance.

To address this, PEER introduces new features to the standard SER bearing package.

COMMON APPLICATIONS

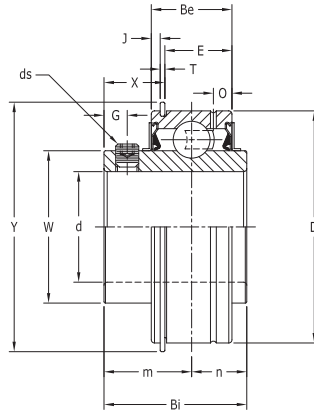
- Intelligent conveyor systems
- Bulk handling conveyors
- Unit handling conveyors
- Belt conveyors
- Agricultural machinery

FEATURE	BENEFIT
Black oxide coating	Provides improved corrosion resistance
Premium nitrile seal material	Longer seal life due to improved high temperature and wear resistance
Premium grease	High and low temperature capability extends grease life
Nylon retainer	Improves misalignment capability
New seal lip design	Extends life and improves contaminant protection
Industry standard sizing	Interchangeable with industry offerings



Insert Bearings

SER Series Set Screw Locking



- Popular series used in many roller applications
- Standard load capacity
- Wide inner ring with cylindrical outer ring and snap ring
- Relubrication groove with oil hole on side opposite of set screws
- Nylon patched class 3A set screws are standard
- Standard seal: H-Seal plus slinger

Higher performance seal options available for heavily contaminated environments.

Dimensions (in/mm)																	
Unit No.	Shaft Diam.	D	Bi	Be	n	m	E	W	o	T	J	G	Y	X	ds (UNF-Thread)	Load Rating (Lbs.)	
																Dynamic	Static
SER-8 SER-9 SER-10 SER-11 SER-12 SER-20mm	1/2 9/16 5/8 11/16 3/4 20mm	1.8504 47.000	1.220 31.00	0.626 15.90	0.4528 11.500	0.768 19.50	0.48 12.1	1.130 28.70	0.157 4.00	0.05 1.35	0.10 2.46	0.197 5.00	2.07 52.70	0.60 15.36	1/4-28x1/4 M6XP1.0	2900	1410
SER-14 SER-15 SER-16 SER-25mm	7/8 15/16 1 25mm	2.0472 52.000	1.374 34.90	0.752 19.10	0.5157 13.100	0.858 21.80	0.60 15.3	1.327 33.70	0.205 5.20	0.05 1.35	0.10 2.46	0.220 5.60	2.28 57.90	0.63 16.06	1/4-28x1/4 M6XP1.0	3150	1610
SER-17 SER-18 SER-19 SER-20S SER-30mm	1 1/16 1 1/8 1 3/16 1 1/4(s) 30mm	2.4409 62.000	1.500 38.10	0.874 22.20	0.6260 15.900	0.874 22.20	0.67 17.0	1.567 39.80	0.220 5.60	0.07 1.90	0.13 3.28	0.220 5.60	2.67 67.70	0.64 16.28	1/4-28x1/4 M6XP1.0	4370	2320
SER-20 SER-21 SER-22 SER-23 SER-35mm	1 1/4 1 5/16 1 3/8 1 7/16 35mm	2.8346 72.000	1.689 42.90	0.937 23.80	0.6890 17.500	1.000 25.40	0.73 18.6	1.843 46.80	0.220 5.60	0.07 1.90	0.13 3.28	0.252 6.40	3.09 78.60	0.74 18.68	5/16-24x5/16 M8XP1.0	5770	3150
SER-24 SER-25 SER-40mm	1 1/2 1 9/16 40mm	3.1496 80.000	1.937 49.20	1.094 27.80	0.7480 19.000	1.189 30.20	0.89 22.6	2.067 52.50	0.252 6.40	0.07 1.90	0.13 3.28	0.315 8.00	3.41 86.60	0.85 21.48	5/16-24x5/16 M8XP1.0	7340	3650
SER-26 SER-27 SER-28 SER-45mm	1 5/8 1 11/16 1 3/4 45mm	3.3465 85.000	1.937 49.20	1.094 27.80	0.7480 19.000	1.189 30.20	0.89 22.6	2.256 57.30	0.252 6.40	0.07 1.90	0.13 3.28	0.315 8.00	3.61 91.60	0.85 21.48	5/16-24x5/16 M8XP1.0	7350	4150
SER-30 SER-31 SER-32S SER-50mm	1 7/8 1 15/16 2(s) 50mm	3.5433 90.000	2.031 51.60	1.126 28.60	0.7480 19.000	1.283 32.60	0.89 22.6	2.445 62.10	0.295 7.50	0.11 2.70	0.13 3.28	0.374 9.50	3.80 96.50	0.96 24.28	3/8-24x3/8 M10XP1.25	7880	4650
SER-32 SER-34 SER-35 SER-55mm	2 2 1/8 2 3/16 55mm	3.9370 100.000	2.189 55.60	1.189 30.20	0.8740 22.200	1.315 33.40	0.95 24.2	2.756 70.00	0.295 7.50	0.11 2.70	0.13 3.28	0.374 9.50	4.19 106.50	0.96 24.28	3/8-24x3/8 M10XP1.25	9740	5850
SER-36 SER-38 SER-39 SER-60mm	2 1/4 2 3/8 2 7/16 60mm	4.3307 110.000	2.563 65.10	1.252 31.80	1.0000 25.400	1.563 39.70	1.02 25.8	3.031 77.00	0.295 7.50	0.11 2.70	0.13 3.28	0.437 11.10	4.59 116.60	1.17 29.78	3/8-24x3/8 M10XP1.25	11780	7250
SER-40 SER-43 SER-70mm	2 1/2 2 11/16 70mm	4.9213 125.000	2.752 69.90	1.374 34.90	1.0630 27.000	1.689 42.90	1.09 27.7	3.425 87.00	0.311 7.90	0.12 3.10	0.16 4.06	0.437 11.10	5.30 134.70	1.28 32.61	3/8-24x3/8 M10XP1.25	13980	8000
SER-46 SER-47 SER-75mm	2 7/8 2 15/16 75mm	5.1181 130.000	3.063 77.80	1.500 38.10	1.3110 33.300	1.752 44.50	1.22 30.9	3.602 91.50	0.394 10.00	0.12 3.10	0.16 4.06	0.437 11.10	5.50 139.70	1.28 32.61	7/16-20x7/16 M12XP1.5	14000	8800
SER-55	3 7/16	5.9055 150.000	3.374 85.70	1.937 49.20	1.3425 34.100	2.031 51.60	1.62 41.2	4.134 105.00	0.441 11.20	0.12 3.10	0.19 4.90	0.472 12.00	6.29 159.70	1.38 35.00	7/16-20x7/16 M12XP1.5	17680	11600



PEER Bearing Company
 2200 Norman Drive
 Waukegan, IL 60085
 Ph: 847-578-1000 Fax: 847-578-1200
 E-Mail: info@peerbearing.com
 Website: www.peerbearing.com

© PEER is a registered trademark of the PEER Group of Companies.
 ™ Trusted Difference at Every Turn is a trademark of the PEER Group of Companies.