

FEATURES

- Offer reliability
- Reduce the risk of dust and dirt entering the ball bearing mechanism
- Preserve the lubricant within the bearing
- Seals keep it running smoother, for longer

25mm Deep Groove Ball Bearing 47mm O.D

RS Stock No.: 619-0446



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

A range of RS Pro single row, deep groove ball bearings, offering versatility and overall high performance. RS Pro sealed ball bearings are fitted with two synthetic rubber seals to prevent dirt and other items entering the bearing. These ball bearings are primarily intended for use where the inner ring rotates.

General Specifications

Ball Bearing Type	Deep Groove
End Type	Sealed
Number of Rows	1
Static Load Rating	6.55kN
Material	Steel
Race Type	Plain
Bore Type	Parallel
Application	Food and Beverage Industry, Pharmaceutical, Medical industry, Engines and Pumps, Medical Industry, Printing

Mechanical Specifications

Inside Diameter	25mm
Outside Diameter	47mm
Race Width	12mm
Dynamic Load Rating	11.2kN
Static Load	5.265kN
Mass	0.0800kg



RS Article no.	Description	Designation	End type	Race Type	ID mm	OD mm	Width mm	Dynamic KN	Static KN	Grease rpm	Oil rpm	Mass Kg
6189856	Single Row Seal 3mm ID	623-2RS	Sealed	Plain	3	10	4	0.403	0.141	45000	52200	0.0016
6189862	Single Row Seal 4mm ID	624-2RS	Sealed	Plain	4	13	5	0.825	0.309	37800	44100	0.0032
6189878	Single Row Seal 5mm ID	625-2RS	Sealed	Plain	5	16	5	1.109	0.428	33300	39600	0.0048
6189913	Single Row Seal 6mm ID	626-2RS	Sealed	Plain	6	19	6	1.474	0.558	30600	36000	0.0010
6189929	Single Row Seal 7mm ID	607-2RS	Sealed	Plain	7	19	6	1.411	0.573	30600	36000	0.0080
6189935	Single Row Seal 7mm ID	627-2RS	Sealed	Plain	7	22	7	2.111	0.882	28800	33300	0.0130
6189957	Single Row Seal 8mm ID	608-2RS	Sealed	Plain	8	22	7	2.111	0.882	28800	33300	0.0120
6189941	Single Row Seal 9mm ID	609-2RS	Sealed	Plain	9	24	7	2.142	0.914	27900	32400	0.0140
6189963	Single Row Seal 9mm ID	629-2RS	Sealed	Plain	9	26	8	2.867	1.235	27000	31500	0.0200
6189979	Single Row Seal 10mm ID	600-2RS	Sealed	Plain	10	19	5	1.153	0.583	28800	34200	0.0050
6189991	Single Row Seal 10mm ID	6000-2RS	Sealed	Plain	10	26	8	4.095	1.764	26100	30600	0.0190
6189985	Single Row Seal 10mm ID	6200-2RS	Sealed	Plain	10	30	9	4.590	2.151	22500	27000	0.0320
6190008	Single Row Seal 10mm ID	6300-2RS	Sealed	Plain	10	35	11	7.380	3.150	20700	24300	0.0530
6190109	Single Row Seal 12mm ID	6801-2RS	Sealed	Plain	12	21	5	1.210	0.655	26100	31500	0.0060
6190121	Single Row Seal 12mm ID	6001-2RS	Sealed	Plain	12	28	8	4.590	2.151	23400	27000	0.0210
6190143	Single Row Seal 12mm ID	6201-2RS	Sealed	Plain	12	32	10	5.490	2.475	19800	23400	0.0370
6190165	Single Row Seal 12mm ID	6301-2RS	Sealed	Plain	12	37	12	8.730	3.780	18000	21600	0.0600
6190159	Single Row Seal 15mm ID	6802-2RS	Sealed	Plain	15	24	5	1.310	0.794	23400	27900	0.0070
6190171	Single Row Seal 15mm ID	6002-2RS	Sealed	Plain	15	32	9	5.040	2.556	19800	23400	0.0300
6190187	Single Row Seal 15mm ID	6202-2RS	Sealed	Plain	15	35	11	6.975	3.240	17100	20700	0.0450
6190200	Single Row Seal 15mm ID	6302-2RS	Sealed	Plain	15	42	13	10.260	4.905	15300	18900	0.0820
6190288	Single Row Seal 17mm ID	6803-2RS	Sealed	Plain	17	26	5	1.770	1.084	21600	25200	0.0080
6190301	Single Row Seal 17mm ID	6003-2RS	Sealed	Plain	17	35	10	6.120	3.015	18000	21600	0.0390
6190317	Single Row Seal 17mm ID	6203-2RS	Sealed	Plain	17	40	12	8.640	4.140	16200	18900	0.0660
6190294	Single Row Seal 17mm ID	6303-2RS	Sealed	Plain	17	47	14	12.150	5.895	14400	17100	0.1150
6190323	Single Row Seal 20mm ID	6804-2RS	Sealed	Plain	20	32	7	3.600	2.223	18900	22500	0.0190
6190345	Single Row Seal 20mm ID	6004-2RS	Sealed	Plain	20	42	12	8.460	4.545	16200	18900	0.0690
6190339	Single Row Seal 20mm ID	6204-2RS	Sealed	Plain	20	47	14	11.520	5.985	14400	16200	0.1060
6190351	Single Row Seal 20mm ID	6304-2RS	Sealed	Plain	20	52	15	14.310	7.110	12600	15300	0.1440
6190452	Single Row Seal 25mm ID	6805-2RS	Sealed	Plain	25	37	7	3.870	2.655	16200	18900	0.0220
6190446	Single Row Seal 25mm ID	6005-2RS	Sealed	Plain	25	47	12	9.090	5.265	13500	16200	0.0800
6190468	Single Row Seal 25mm ID	6205-2RS	Sealed	Plain	25	52	15	12.600	7.065	11700	13500	0.1280
6190474	Single Row Seal 25mm ID	6305-2RS	Sealed	Plain	25	62	17	19.080	9.810	10800	12600	0.2320
6190480	Single Row Seal 30mm ID	6006-2RS	Sealed	Plain	30	55	13	11.880	7.470	11700	13500	0.1160
6190496	Single Row Seal 30mm ID	6206-2RS	Sealed	Plain	30	62	16	17.550	10.170	9900	11700	0.1990
6190503	Single Row Seal 30mm ID	6306-2RS	Sealed	Plain	30	72	19	24.030	13.500	9000	10800	0.3600
6190519	Single Row Seal 35mm ID	6007-2RS	Sealed	Plain	35	62	14	14.400	9.270	10800	12600	0.1550
6190525	Single Row Seal 35mm ID	6207-2RS	Sealed	Plain	35	72	17	23.130	13.770	8820	9900	0.2880
6190547	Single Row Seal 35mm ID	6307-2RS	Sealed	Plain	35	80	21	30.150	17.190	7920	9000	0.4570
6190531	Single Row Seal 40mm ID	6008-2RS	Sealed	Plain	40	68	15	15.120	10.350	9000	10800	0.1900
6190553	Single Row Seal 40mm ID	6208-2RS	Sealed	Plain	40	80	18	26.190	16.020	7830	9000	0.3660
6190569	Single Row Seal 40mm ID	6308-2RS	Sealed	Plain	40	90	23	36.450	21.600	7020	8280	0.6300
6190581	Single Row Seal 45mm ID	6009-2RS	Sealed	Plain	45	75	16	18.900	13.590	8280	9900	0.2370
6190575	Single Row Seal 45mm ID	6209-2RS	Sealed	Plain	45	85	19	29.250	18.360	7020	8280	0.3980
6190597	Single Row Seal 45mm ID	6309-2RS	Sealed	Plain	45	100	25	47.700	28.800	6300	7380	0.8140
6190604	Single Row Seal 50mm ID	6010-2RS	Sealed	Plain	50	80	16	19.620	14.940	7560	8820	0.2610
6190610	Single Row Seal 50mm ID	6210-2RS	Sealed	Plain	50	90	20	31.500	20.880	6390	7470	0.4540
6190626	Single Row Seal 50mm ID	6310-2RS	Sealed	Plain	50	110	27	55.800	34.650	5760	6750	1.0700