



Stamped Bearing Housing & Bearing Selection Manual

SUNWARM IMPORT & EXPORT

Company Profile



SUNWARM Import & Export presents stamped bearing housings and labyrinth seals for conveyor rollers. Contact Fuxing for product selection and quotations.

HOUSINGS

STAMPED STEEL

SEALS

LABYRINTH DESIGNS

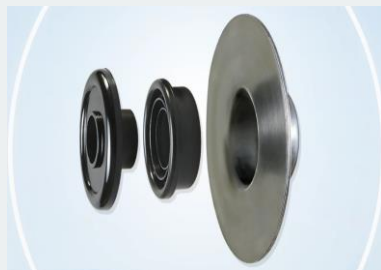


Product Series



TK

- **5-part labyrinth seal**
- Precision-stamped steel
- Heavy-duty mining applications



TK-II

- **Economical double-labyrinth seal**
- Cost-effective design
- High-speed compatibility



TF

- **Enhanced sealing**
- Additional rubber sealing rings
- Improved water and dust protection



DT-II

- **Curvature for high loads**
- High load capacity
- Heavy industrial conveyors

Technical Specifications

Material

- Housing: SPHD steel (ASTM A621 equivalent)
- Thickness: 2.0–5.0 mm

Precision

- Tolerance: IT8–IT9
- Balance grade: G16

Range

- Bearings: 6204–6310
- Standards: CEMA, DIN, ISO

Housing Selection



Housing series	Compatible bearings	Tube O.D. (mm)	Thickness	Price / set (USD)
TK (Standard)	6203 - 6312	60 - 219 mm(2" - 8")	2 - 5 mm	\$0.18 - \$3.40
TK-II (Light/Economical)	6204 - 6308	76 - 194 mm(2" - 8")	2 - 5 mm	\$0.21 - \$1.11
DT-II (Reinforced)	6204 - 6312	60 - 219 mm(2" - 8")	2 - 5 mm	\$0.18 - \$3.40

Prices are indicative and subject to steel market fluctuations.

Seal Selection

Seal series	Compatible bearings	Number of seal parts	Price / set (USD)
TK (Standard)	6204-6310	5	\$0.14-0.76
TK-II (Light/Economical)	6204-6308	2	\$0.14-0.42
TF (Enhanced sealing)	6204-6310	6	\$0.19-0.86
DT-II (Reinforced)	6204-6310	6	\$0.14-0.76



TK (Standard)



TK-II (Light/Economical)

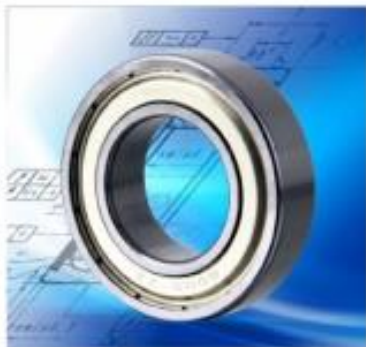


TF (Enhanced sealing)

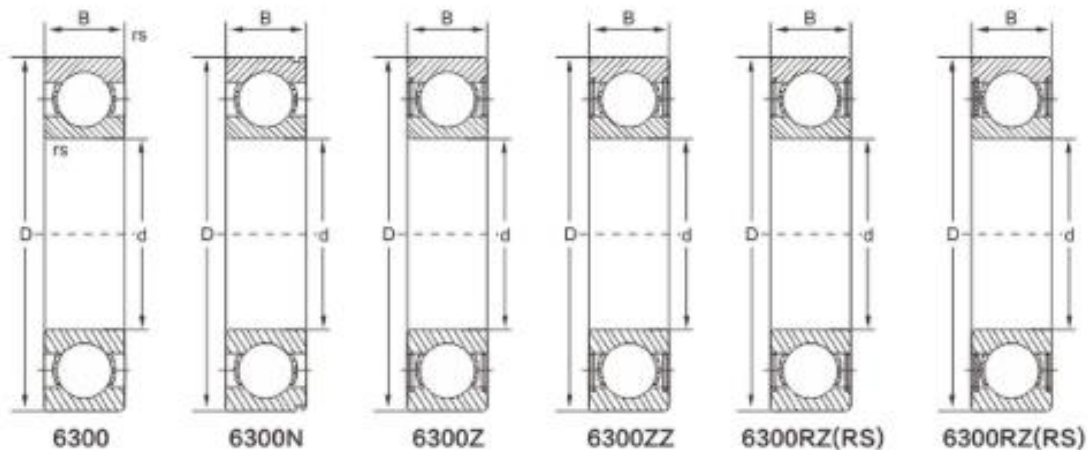


DT-II (Reinforced)

Bearing Series



Seal / shield options
Z: one shield ZZ: two shields
RZ / 2RZ: non-contact seals
RS / 2RS: contact seals



Bearing Series



轴 承 型 号 Bearing NO							外形尺寸 Shape Dimension (mm)				额定负荷 basic Load Rating(KN)		极限转速 Max Speed(rpm)		重量 (kg)
OPEN	Z	2Z	RZ	2RZ	RS	2RS	d	D	B	R _{min}	Cr	Cor	脂润滑 Grease	油润滑 Oil	Weight (kg)
6200	6200-Z	6200-2Z	6200-RZ	6200-2RZ	6200-RS	6200-2RS	10	30	9	0.6	5.10	2.38	19000	26000	0.028
6201	6201-Z	6201-2Z	6201-RZ	6201-2RZ	6201-RS	6201-2RS	12	32	10	0.6	6.82	3.05	18000	24000	0.034
6202	6202-Z	6202-2Z	6202-RZ	6202-2RZ	6202-RS	6202-2RS	15	35	11	0.6	7.65	3.72	17000	22000	0.043
6203	6203-Z	6203-2Z	6202-RZ	6203-2RZ	6203-RS	6203-2RS	17	40	12	0.6	9.58	4.47	16000	20000	0.062
6204	6204-Z	6204-2Z	6204-RZ	6204-2RZ	6204-RS	6204-2RS	20	47	14	1.0	9.88	6.20	14000	18000	0.102
6205	6205-Z	6205-2Z	6205-RZ	6205-2RZ	6205-RS	6205-2RS	25	52	15	1.0	10.78	6.98	12000	16000	0.120
6206	6206-Z	6206-2Z	6206-RZ	6206-2RZ	6206-RS	6206-2RS	30	62	16	1.0	14.97	10.04	9500	13000	0.190
6207	6207-Z	6207-2Z	6207-RZ	6207-2RZ	6207-RS	6207-2RS	35	72	17	1.1	19.75	13.67	8500	11000	0.270
6208	6208-Z	6208-2Z	6208-RZ	6208-2RZ	6208-RS	6208-2RS	40	80	18	1.1	22.71	15.94	8000	10000	0.370
6209	6209-Z	6209-2Z	6209-RZ	6209-2RZ	6209-RS	6209-2RS	45	85	19	1.1	24.36	17.71	7000	9000	0.380
6210	6210-Z	6210-2Z	6210-RZ	6210-2RZ	6210-RS	6210-2RS	50	90	20	1.1	26.98	19.84	6700	8500	0.450
6211	6211-Z	6211-2Z	6211-RZ	6211-2RZ	6211-RS	6211-2RS	55	100	21	1.5	33.37	25.11	6000	7500	0.603
6212	6212-Z	6212-2Z	6212-RZ	6212-2RZ	6212-RS	6212-2RS	60	110	22	1.5	36.74	27.97	5600	7000	0.789
6213	6213-Z	6213-2Z	6213-RZ	6213-2RZ	6213-RS	6213-2RS	65	120	23	1.5	44.01	34.18	5000	6300	0.990
6214	6214-Z	6214-2Z	6214-RZ	6214-2RZ	6214-RS	6214-2RS	70	125	24	1.5	46.79	37.59	4800	6000	1.084
6215	6215-Z	6215-2Z	6215-RZ	6215-2RZ	6215-RS	6215-2RS	75	130	25	1.5	50.85	41.26	4500	5600	1.171
6216	6216-Z	6216-2Z	6216-RZ	6216-2RZ	6216-RS	6216-2RS	80	140	26	2.0	55.04	45.09	4300	5300	1.448
6217	6217-Z	6217-2Z	6217-RZ	6217-2RZ	6217-RS	6217-2RS	85	150	28	2.0	64.01	53.28	4000	5000	1.803
6218	6218-Z	6218-2Z	6218-RZ	6218-2RZ	6218-RS	6218-2RS	90	160	30	2.0	73.83	60.76	3800	4800	2.17

Bearing Series



轴 承 型 号 Bearing NO							外形尺寸 Shape Dimension (mm)				额定负荷 basic Load Rating(KN)		极限转速 Max Speed(rpm)		重量 (kg)
OPEN	Z	2Z	RZ	2RZ	RS	2RS	d	D	B	R _{min}	Cr	Cor	脂润滑 Grease	油润滑 Oil	Weight (kg)
6300	6300-Z	6300-2Z	6300-RZ	6300-2RZ	6300-RS	6300-2RS	10	35	11	0.6	5.88	3.47	20000	26000	0.054
6301	6301-Z	6301-2Z	6301-RZ	6301-2RZ	6301-RS	6301-2RS	12	37	12	1.0	7.48	4.65	17000	22000	0.058
6302	6302-Z	6302-2Z	6302-RZ	6302-2RZ	6302-RS	6302-2RS	15	42	13	1.0	8.80	5.43	16000	20000	0.082
6303	6303-Z	6303-2Z	6302-RZ	6303-2RZ	6303-RS	6303-2RS	17	47	14	1.0	10.45	6.56	15000	19000	0.110
6304	6304-Z	6304-2Z	6304-RZ	6304-2RZ	6304-RS	6304-2RS	20	52	15	1.1	12.26	7.81	13000	17000	0.140
6305	6305-Z	6305-2Z	6305-RZ	6305-2RZ	6305-RS	6305-2RS	25	62	17	1.1	17.22	11.39	10000	14000	0.220
6306	6306-Z	6306-2Z	6306-RZ	6306-2RZ	6306-RS	6306-2RS	30	72	19	1.1	20.77	14.17	9000	12000	0.330
6307	6307-Z	6307-2Z	6307-RZ	6307-2RZ	6307-RS	6307-2RS	35	80	21	1.5	25.66	17.92	8000	10000	0.410
6308	6308-Z	6308-2Z	6308-RZ	6308-2RZ	6308-RS	6308-2RS	40	90	23	1.5	31.35	22.38	7000	9000	0.600
6309	6309-Z	6309-2Z	6309-RZ	6309-2RZ	6309-RS	6309-2RS	45	100	25	1.5	40.66	30.00	6300	7500	0.770
6310	6310-Z	6310-2Z	6310-RZ	6310-2RZ	6310-RS	6310-2RS	50	110	27	2.0	47.58	35.71	6000	7000	1.030
6311	6311-Z	6311-2Z	6311-RZ	6311-2RZ	6311-RS	6311-2RS	55	120	29	2.0	55.05	41.91	5600	6700	1.367
6312	6312-Z	6312-2Z	6312-RZ	6312-2RZ	6312-RS	6312-2RS	60	130	31	2.1	62.88	48.60	5000	6000	1.710
6313	6313-Z	6313-2Z	6313-RZ	6313-2RZ	6313-RS	6313-2RS	65	140	33	2.1	72.21	56.68	4500	5300	2.100
6314	6314-Z	6314-2Z	6314-RZ	6314-2RZ	6314-RS	6314-2RS	70	150	35	2.1	80.10	63.48	4300	5000	2.550
6315	6315-Z	6315-2Z	6315-RZ	6315-2RZ	6315-RS	6315-2RS	75	160	37	2.1	87.25	71.67	4000	4800	3.050
6316	6316-Z	6316-2Z	6316-RZ	6316-2RZ	6316-RS	6316-2RS	80	170	39	2.1	94.57	80.35	3800	4500	3.610
6317	6317-Z	6317-2Z	6317-RZ	6317-2RZ	6317-RS	6317-2RS	85	180	41	3.0	102.05	89.52	3600	4300	4.284
6318	6318-Z	6318-2Z	6318-RZ	6318-2RZ	6318-RS	6318-2RS	90	190	43	3.0	110.81	100.76	3400	4000	4.970

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