

METRIC MEDIUM-DUTY SERIES

322 Series Single Row Tapered Roller Bearings

322 series tapered roller bearings provide balanced radial and axial load support, making them a practical metric choice for standard shaft and housing arrangements that require stronger support than light-section designs. TEDIN supplies standard 322 models and manufacturer-specific suffix versions for replacement, interchange, and custom bearing projects.

✓ **Medium-duty Load Capacity**

✓ **Standard Metric Series**

✓ **Combined Load Support**



Balanced Metric Bearing Series

Designed for stable radial and one-direction axial load support in standard metric bearing layouts.

322 Series

Product Data Table

Dimensions, load ratings, speeds and weights are for reference only.

Bearing No.	d (mm)	D (mm)	T / Width (mm)	Cr (kN)	Cor (kN)	Grease (r/min)	Oil (r/min)	Weight (kg)
32203	17	40	16	—	—	—	—	—
32203JR	17	40	16	27.4	27.5	10000	14000	0.104
32204	20	47	19.25	—	—	—	—	0.151
32204JR	20	47	18	33.1	34.7	8900	12000	0.159
32204XR	20	47	18	33.3	37	9100	12000	0.170
322/22CR	22	50	18	35.1	39.1	8400	11000	0.170
322/22R	22	50	18	36.8	41.6	8100	11000	0.178
32205	25	72	24.25	—	—	—	—	0.174
32205B	25	52	19.25	—	—	—	—	0.187
32205JR	25	52	18	39.8	44.8	7900	11000	0.188
32205XR	25	52	18	36.4	43.2	7900	11000	0.200
322/28CR	28	58	19	44.9	54.1	7100	9400	0.255
322/28R	28	58	19	49.2	55.2	6900	9100	0.244
32206	30	62	20	51.8	63.8	6000	7500	0.287
32206JR	30	62	20	50.7	57.9	6500	8700	0.292
32206XR	30	62	20	51.7	59	6600	8900	0.300
322/32	32	65	21	51.6	57.7	6200	8200	0.330
322/32CR	32	65	22	55.8	65.1	6300	8400	0.340
32207	35	72	23	70.5	89.5	5300	6700	0.445
32207-1R	35	72	23	69	86.6	5700	7600	0.465
32207JR	35	72	23	69.6	82.4	5600	7500	0.453
32208	40	80	23	77.8	97.2	5000	6300	0.532
32208CR	40	80	23	78.5	93.1	5000	6700	0.570
32208JR	40	80	23	77.7	90.8	5000	6600	0.554
32208R	40	80	24.75	—	—	—	—	0.549
32209	45	85	23	80.8	105	4500	5600	0.573
32209CR	45	85	23	80.7	102	4600	6200	0.625

Bearing No.	d (mm)	D (mm)	T / Width (mm)	Cr (kN)	Cor (kN)	Grease (r/min)	Oil (r/min)	Weight (kg)
32209JR-1	45	85	23	84.2	104	4600	6100	0.597
32209R	45	85	24.75	—	—	—	—	0.606
32209X2B	45	85	25	—	—	—	—	0.584
32210	50	90	23	82.8	108	4300	5300	0.626
32210CR	50	90	23	84.5	113	4300	5700	0.675
32210JR	50	90	23	85	105	4300	5700	0.643
32210R	50	90	24.75	—	—	—	—	0.668
32210X2	50	90	25	—	—	—	—	0.612
32211	55	100	25	108	142	3800	4800	0.853
32211CR	55	100	25	107	135	3900	5200	0.875
32211JR-1	55	100	25	107	133	3900	5200	0.863
32212	60	110	28	132	180	3600	4500	1.17
32212CR	60	110	28	128	164	3600	4700	1.20
32212JR	60	110	28	132	167	3500	4700	1.19
32212R	50	110	29.75	—	—	—	—	14.8
32213	65	120	31	160	222	3200	4000	1.55
32213CR	65	120	31	151	198	3200	4300	1.55
32213JR	65	120	31	157	203	3200	4300	1.58
32213X2	65	110	33	—	—	—	—	1.50
32213/Z1	—	—	—	—	—	—	—	—
32214	70	125	31	168	238	3000	3800	1.64
32214CR	70	125	31	157	212	3100	4100	1.65
32214JR	70	125	31	169	225	3100	4100	1.71
32215	75	130	31	170	242	2800	3600	1.74
32215CR	75	130	31	163	225	2900	3900	1.75
32215JR	75	130	31	174	234	2900	3900	1.77
32215R	75	130	33.5	—	—	—	—	14.8
32215X2	75	130	34	—	—	—	—	1.68
32216	80	140	33	198	278	2600	3400	2.13
32216/YB2	80	140	38.5	—	—	—	—	2.134
32216JR	80	140	33	203	271	2700	3600	2.17
32216X2	80	140	36	—	—	—	—	2.13
32216X2/HV	80	140	36	—	—	—	—	2.13
32216X2/Z	80	140	36	—	—	—	—	2.13
32217	85	150	36	228	325	2400	3200	2.68
32217JR	85	150	36	232	315	2500	3400	2.80
32218	90	160	40	270	395	2200	3000	3.44
32218JR	90	160	40	263	362	2400	3200	3.47
32218R	90	110	42.5	—	—	—	—	14.8
32218X2	90	160	43	—	—	—	—	3.36
32218/Z	90	160	42.5	—	—	—	—	3.33
32218/Z1	90	160	42.5	—	—	—	—	3.30
32219	95	170	43	302	448	2000	2800	4.24
32219JR	95	170	43	311	439	2200	3000	4.34
32220	100	180	46	340	512	1900	2600	5.10
32220JR	100	180	46	347	495	2100	2800	5.21
32220X2	100	180	49.5	—	—	—	—	4.94
32221	105	190	50	380	578	1800	2400	6.26
32221JR	105	190	50	392	567	2000	2700	6.37

Bearing No.	d (mm)	D (mm)	T / Width (mm)	Cr (kN)	Cor (kN)	Grease (r/min)	Oil (r/min)	Weight (kg)
32222	110	200	53	430	665	1700	2200	7.43
32222JR	110	200	53	438	640	1900	2500	7.45
32222X2	110	200	56.5	—	—	—	—	7.70
32224	120	215	62	478	758	1500	1900	9.60
32224JR	120	215	58	470	691	1700	2300	9.04
32226	130	230	64	552	888	1400	1800	11.4
32226JR	130	230	64	554	830	1600	2200	11.5
32226X2	130	230	68.5	—	—	—	—	11.1
32228	140	250	68	645	1050	1200	1600	14.4
32228JR	140	250	68	363	961	1500	2000	14.7
32230	150	270	73	720	1180	1100	1500	18.2
32230JR	150	270	73	704	1070	1300	1800	18.2
32232	160	290	84	858	1430	1000	1400	23.3
32232JR	160	290	80	795	1210	1200	1700	23.2
32234	170	310	86	968	1640	1000	1300	28.6
32234JR	170	310	86	898	1380	1100	1500	28.9
32236	180	320	86	998	1720	900	1200	29.9
32236JR	180	320	86	957	1520	1100	1500	29.9
32238	190	340	92	1120	1900	850	1100	36.1
32238JR	190	340	92	1090	1740	1000	1300	36.6
32240	200	360	98	1320	2180	800	1000	43.2
32240JR	200	360	98	1240	1880	960	1300	44.2
32244	220	400	108	1190	1930	830	1100	56.8
32244X2	220	400	115	—	—	—	—	48.1
32248	240	440	120	1530	2480	740	980	76.4
32252	260	480	130	1760	2870	660	880	102
32256	280	500	130	1860	3150	610	810	108

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Note: Dimensions, load ratings, limiting speeds, and weights are for reference. Final technical details should be confirmed before ordering.