

# HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors		
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y
30302	2FB	15	42	14.25	13	11	1	1	21.6	20.5	9000	13000	10	22	21	36	36	38	1	1	0.28	2.1	1.1
30203	2DB	17	40	13.25	12	11	1	1	20.9	22.2	9000	13000	10	23	23	34	34	37	1	1	0.35	1.7	0.9
32203	2DD	17	40	17.25	16	14	1	1	27.3	28.3	9000	13000	12	26	22	34	33	38	1	1	0.29	2.1	1.1
31303	7FB	17	47	15.25	14	10.5	1	1	23.9	23.5	7500	10000	13	25	23	41	40	42	1	1	0.83	0.72	0.4
30303	2FB	17	47	15.25	14	12	1	1	27.5	25.7	8500	12000	10	25	23	41	40	42	1	1	0.28	2.1	1
32303	7FD	17	47	20.25	19	16	1	1	34.5	35.2	8000	11000	12	24	23	41	39	43	1	1	0.28	2.1	1.1
32004X	3CC	20	42	15	15	12	0.6	0.6	23	32.9	8500	12000	11	25	25	37	36	39	0.6	0.6	0.37	1.6	0.9
30204	2DB	20	47	15.25	14	12	1	1	27.2	28.6	8000	11000	11	27	26	41	40	43	1	1	0.35	1.7	0.9
32204	2DD	20	47	19.25	18	15	1	1	37	40	8000	11000	15	29	26	41	38	44	1	1	0.35	1.7	0.95
30304	2FB	20	52	16.25	15	13	1.5	1.5	32.8	32.2	8000	11000	11	28	27	45	44	47	1	1	0.3	2	1.1
32304	2FD	20	52	22.25	21	18	1.5	1.5	44.8	44.9	7500	10000	14	27	27	45	43	47	1	1	0.3	2	1.1
320/220X	3CC	22	44	15	15	11.5	0.6	0.6	29.3	36.3	8000	11000	11	27	27	39	38	41	0.6	0.6	0.4	1.5	0.8
32005X	4CC	25	47	15	15	11.5	0.6	0.6	26	39.5	8000	11000	12	30	30	42	40	44	0.6	0.6	0.43	1.4	0.8
30205	3CC	25	52	16.25	15	13	1	1	33.6	38.1	7500	10000	13	31	31	46	44	48	1	1	0.37	1.6	0.9
32205	2CD	25	52	19.25	18	16	1	1	41.6	45.2	7300	9800	13	31	31	16	43	49	1	1	0.36	1.67	0.92
33005	2CE	25	47	17	17	14	1	1	32.8	43.1	8000	11000	11	29	33	42	41	45	0.6	0.6	2.1	1.1	0.131
33205	2DE	25	52	22	22	18	1	1	49.3	58.2	6700	9000	14	30	31	46	43	49	1	1	0.35	1.7	0.9
30305	2FB	25	62	18.25	17	15	1.5	1.5	49.1	46.4	6700	9000	13	34	32	55	54	57	1	1	0.3	2	1.1
31305	7FB	25	62	18.25	17	13	1.5	1.5	42.2	43.8	5600	7500	20	34	32	55	47	59	1	1	0.83	0.72	0.4
32305	2FD	25	62	25.25	24	20	1.5	1.5	64.7	67.6	6000	8000	16	33	32	55	52	57	1	1	0.3	2	1.1
320/28X	4CC	28	52	16	16	12	1	1	37.2	46.3	4000	7000	12	34	34	46	45	49	1	1	0.43	1.4	0.8
332/28	2DE	28	58	24	24	19	1	1	59.7	68.2	6700	8900	16	34	34	52	49	55	1	1	0.34	1.77	0.97
32006X	4CC	30	55	17	17	13	1	1	32.9	50.8	6700	9000	13	35	36	49	48	52	1	1	0.43	1.4	0.8
33006	2CE	30	55	20	20	16	1	1	44	59.3	6700	9000	13	39	35	49	48	53	1	1	0.29	2.1	1.1
30206	3DB	30	62	17.25	16	14	1	1	42.6	48.2	6300	8500	14	38	36	56	53	57	1	1	0.37	1.6	0.9
32206	3DC	30	62	21.25	20	17	1	1	51	61.8	6300	8500	15	37	36	56	52	58	1	1	0.37	1.6	0.9
33206	2DE	30	62	25	25	19.5	1	1	59.7	68.2	5600	7500	16	37	36	56	52	58	1	1	0.37	1.6	0.9
30306	2FB	30	72	20.75	19	16	1.5	1.5	61.7	61.1	5600	7500	15	41	37	65	62	66	4.5	1	0.31	1.9	1.1
31306	7FB	30	72	20.75	19	14	1.5	1.5	53.2	57.3	5000	6700	23	40	37	65	55	68	1	1	0.83	0.72	0.4

## HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors		
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y
32306	2FD	30	72	28.75	27	23	1.5	1.5	85.3	94.2	5300	7000	19	39	37	65	59	66	0	1	0.31	1.9	1.1
320/32X	4CC	32	58	17	17	13	1	1	38.3	48.9	6300	8500	14	38	38	52	50	55	1	1	0.46	1.3	0.7
332/32	2DE	32	65	26	26	20.5	1	1	75	89.8	6000	8000	17	38	38	59	55	62	1	1	0.35	1.73	0.95
32907	2BD	35	55	14	14	11.5	0.6	0.6	27.4	39	6300	8500	11	43	40	50	50	53	0.6	0.6	0.29	2.1	1.1
32007X	4CC	35	62	18	18	14	1	1	39.2	57.6	6000	8000	15	41	41	56	54	59	1	1	0.46	1.3	0.7
33007	2CE	35	62	21	21	17	1	1	51.1	71.4	5600	8000	14	40	44	56	55	60	1	1	0.31	2	1.1
30207	3DB	35	72	18.25	17	145	1.5	1.5	53.5	60.8	5300	7000	15	44	42	65	62	67	1	1	0.37	1.6	0.9
32207	3DC	35	72	24.25	23	19	1.5	1.5	67.6	84.3	5300	7000	18	43	42	65	61	67	1	1	0.37	1.6	0.9
33207	2DE	35	72	28	28	22	1.5	1.5	87	107	4800	6300	17	42	42	65	61	68	1	1	0.35	1.7	0.9
30307	2FB	35	80	22.75	21	18	2	1.5	78.9	80.3	5000	7000	17	46	44	71	70	74	1.5	1.5	0.31	1.9	1.1
31307	7FB	35	80	22.75	21	15	2	1.5	69	74.7	4500	6000	26	45	44	71	62	76	1.5	1.5	0.83	0.73	0.4
32307	2FE	35	80	32.75	31	25	2	1.5	104	116	4800	6300	20	44	44	71	66	74	1.5	1.5	0.31	1.9	1.1
32908	2BC	40	62	15	15	2	0.6	0.6	34	47	5600	7500	12	44	48	57	57	60	0.6	0.6	0.29	2.1	1.1
32008X	3CD	40	68	19	19	14.5	1	1	49	69.1	5300	7000	15	46	46	62	60	65	1	1	0.37	1.6	0.9
33008	2BE	40	68	22	22	18	1	1	63.5	85.5	5300	7100	15	45	49	62	61	66	1	1	0.28	2.1	1.2
33108	2CE	40	75	26	26	20.5	1.5	1.5	83.6	108	5000	6700	18	47	47	68	65	71	1	1	0.35	1.7	0.9
30208	3DB	40	80	19.75	18	16	1.5	1.5	62	60.8	4800	6300	17	49	47	73	69	74	1	1	0.37	1.6	0.9
32208	3DC	40	80	24.75	23	19	1.5	1.5	76.8	94.7	4800	6300	21	47	47	73	68	75	1	1	0.37	1.6	0.9
33208	2DE	40	80	32	32	25	1.5	1.5	105	132	430	5600	21	47	47	73	68	75	1	1	0.37	1.6	0.9
30308	2FB	40	90	25.25	23	20	2	1	95.1	105	4500	6000	20	48	50	75	70	80	1.5	1.5	0.35	1.7	0.9
31308	7FB	40	90	25.25	23	17	2	1.5	85.4	94	4000	5300	29	53	49	81	77	82	1.5	1.5	0.35	1.7	0.9
32308	2FD	40	90	35.25	33	27	2	1.5	116	149	4000	5300	23	51	49	81	71	86	1.5	1.5	0.83	0.72	0.4
23909	2BC	45	68	15	15	12	0.6	0.6	34.5	50.5	5000	6700	12	50	53	63	62	65	0.6	0.6	0.32	1.9	1
32009X	3CC	45	75	20	20	15.5	1	1	56	75	4800	6300	16	52	51	69	67	72	1	1	0.4	1.5	0.8
33009	2CE	45	75	24	24	19	1	1	68.9	94	4800	6300	16	54	51	69	67	72	1	1	0.29	2	1.1
33109	3CE	45	80	26	26	20.5	1.5	1.5	85.5	115	4500	6000	19	52	52	73	69	77	1	1	0.37	1.6	0.9
30209	3DB	45	85	20.75	19	16	1.5	1.5	71	80.1	4500	6000	18	54	52	78	74	80	1	1	0.4	1.5	0.8
32209	3DC	45	85	24.75	23	19	1.5	1.5	82.5	131	4500	600	20	54	52	78	73	80	1	1	0.4	1.5	0.8
33209	3DE	45	85	32	32	25	1.5	1.5	111	142	4000	5300	22	52	52	78	72	81	1	1	0.4	1.5	0.8
30309	2FB	45	100	27.25	25	22	2	1.5	109	129	4000	5300	21	59	54	91	86	92	1.5	1.5	0.35	1.7	0.9
31309	7FB	45	100	27.25	25	18	2	1.5	96.3	108	3400	4500	32	57	54	91	79	95	1.5	1.5	0.83	0.72	0.4

## HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)						Constant axial load factors			
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y
32309	2FD	45	100	38.25	36	30	2	1.5	131	181	3600	4800	25	57	54	91	82	93	1.5	1.5	0.35	1.7	0.9
32910	2BC	50	72	15	5	12	0.6	0.6	33.2	51.3	4500	6300	14	54	58	67	66	70	0.6	0.6	0.34	1.8	0.97
32010X	3CC	50	80	20	20	15.5	1	1	59.5	82.3	4500	6300	18	57	56	74	72	77	1	1	0.43	1.4	0.8
33010	2CE	50	80	24	24	19	1	1	73.1	104	4500	6000	17	56	56	74	72	76	1	1	0.31	1.9	1.1
33110	3CE	50	85	26	26	20	1.5	1.5	87.7	121	4300	5600	20	57	57	78	74	82	1	1	0.4	1.5	0.8
30210	3DB	50	90	21.75	20	17	1.5	1.5	79.1	102	4300	5600	20	58	57	83	79	85	1	1	0.43	1.4	0.8
32210	3DC	50	90	24.75	23	19	1.5	1.5	88	117	4300	5600	21	58	57	83	78	85	1	1	0.43	1.4	0.8
33210	3DE	50	90	32	32	24.5	1.5	1.5	119	161	3800	5000	23	57	57	83	77	87	1	1	0.4	1.5	0.8
30310	2FB	50	110	29.25	27	23	2.5	2	134	150	3600	4800	23	65	60	100	95	102	2	2	0.35	1.7	0.9
31310	7FB	50	110	29.25	27	19	2.5	2	112	123	3200	4300	35	62	60	100	87	104	2	2	0.83	0.72	0.4
32310	2FD	50	110	42.25	40	33	2.5	2	161	127	3200	4300	28	63	60	90	100	102	2	2	0.35	1.7	0.9
32911	2BC	55	80	17	17	14	1	1	44.6	59	4300	5600	14	60	64	74	73	77	1	1	0.31	1.9	1.1
32011X	3CC	55	90	23	23	17.5	1.5	1.5	81.1	118	400	5300	20	63	62	83	81	86	1	1	0.4	1.5	0.8
33011	2CE	55	90	27	27	21	1.5	1.5	95.8	146	4000	5300	19	63	62	83	81	86	1	1	0.31	1.9	1.1
33111	3CE	55	95	30	30	23	1.5	1.5	121	164	3800	5000	22	63	62	88	83	91	1	1	0.37	1.6	0.9
30211	3DB	55	100	22.75	21	18	2	1.5	92.7	117	3800	5000	21	64	64	91	88	94	1.5	1.5	0.4	1.5	0.8
32211	3DC	55	100	26.75	25	21	2	1.5	112	139	3800	5000	22	64	64	91	87	95	1.5	1.5	0.4	1.5	0.8
33211	3DE	55	100	35	35	27	2	1.5	152	206	2200	3400	25	63	64	91	85	96	1.5	1.5	0.4	1.5	0.8
30311	2FB	55	120	31.5	29	25	2.5	2	151	183	3200	4300	25	71	65	110	104	111	2	2	0.35	1.7	0.9
31311	7FB	55	120	31.5	29	25	2.5	2	215	269	2800	3800	38	68	65	110	94	113	2	2	0.83	0.72	0.4
32311	2FD	55	120	45.5	43	35	2.5	2	215	269	3000	4000	30	68	65	110	99	111	2	2	0.35	1.7	0.8
32912	2BC	60	85	17	17	14	1	1	45.9	76.5	3800	5300	15	65	69	79	78	83	1	1	0.33	1.8	1
32012X	4CC	60	95	23	23	17.5	1.5	1.5	79.6	115	3800	5000	20	67	67	88	85	91	1	1	0.43	1.4	0.8
33012	2CE	60	95	27	27	21	1.5	1.5	97.6	153	3800	5000	20	67	67	88	85	90	1	1	0.33	1.8	1
33112	3CE	60	100	30	30	23	1.5	1.5	124	173	3600	4800	23	67	67	93	88	96	1	1	0.4	1.5	0.8
30212	3EB	60	110	23.75	22	19	2	1.5	108	127	3400	4500	22	70	69	101	96	103	1.5	1.5	0.4	1.5	0.8
32212	3EC	60	110	29.75	28	24	2	1.5	139	176	3400	4500	25	69	69	95	104	101	1.5	1.5	0.4	1.5	0.8
33212	3EE	60	110	38	38	29	2	1.5	177	244	300	4000	24	69	69	101	93	105	1.5	1.5	0.4	1.5	0.8
30312	2FB	60	130	33.5	31	26	3	2.5	178	200	3000	4000	27	77	72	118	112	120	2	2	0.35	1.7	0.9
31312	7FB	60	130	33.5	31	22	3	2.5	151	167	2600	3600	40	74	72	118	103	123	2	2	0.83	0.72	0.4
32312	2FD	60	130	48.5	46	37	3	2.5	223	301	2600	3600	32	74	72	118	107	120	2	2	0.35	1.7	0.9

## HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors			
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y	Yo
32913	2BC	65	90	17	17	14	1	1	48.1	83.4	3600	5000	16	70	74	84	82	88	1	1	0.35	1.7	0.93	
2007113	----	65	100	23.3	22	19	1.5	1.5	62	93	3400	4500	20	72	72	93	90	97	----	----	0.35	1.7	0.94	
32013X	4CC	65	100	23	23	17.5	1.5	1.5	80.1	120	3400	4500	22	72	72	93	90	97	1	1	0.46	1.3	0.7	
33013	2CE	65	100	27	27	21	1.5	1.5	99.1	160	3400	4500	21	72	72	93	89	96	1	1	0.35	1.7	0.9	
33113X2	----	65	110	30.5	30	24	3	1.8	104	166	3200	4300	25	75	77	110	93	105	----	----	0.39	1.6	0.82	
7813	----	65	110	30.35	30	24	3	1.8	99	155	3200	4300	25	76	79	105	94	106	----	----	0.4	1.5	0.82	
7813Y	----	65	110	30.35	30	24	3	1.8	91	140	3200	4300	25	76	77	110	94	106	----	----	0.4	1.5	0.82	
33113	3DE	65	110	34	34	26.5	1.5	1.5	156	222	3000	4000	26	74	72	103	96	106	1	1	0.4	1.5	0.8	
30213	3EB	65	120	24.75	23	20	2	1.5	121	150	3000	4000	24	78	74	111	106	113	1.5	1.5	0.4	1.5	0.8	
32213	3EC	65	120	32.75	31	27	2	1.5	169	219	3000	4000	28	76	74	111	104	115	1.5	1.5	0.4	1.5	0.8	
7513	----	65	120	33	31	27	1.8	1.8	118	163	3000	4000	26	75	74	111	104	115	----	----	0.37	1.6	0.89	
33213/YB2	----	65	120	41	41	32	2	1.5	183	280	2800	3800	30	76	74	113	100	116	----	----	0.37	1.6	0.89	
33213/HA	----	65	120	41	41	32	2	1.5	183	280	2800	3800	30	76	74	113	100	116	----	----	0.37	1.6	0.89	
33213	3EE	65	120	41	41	32	2	1.5	205	272	2800	3800	30	75	74	111	102	115	1.5	1.5	0.4	1.5	0.8	
7713E	----	65	130	45	43	35	7	2	193	280	2800	3800	30	80	66	122	108	122	----	----	0.33	1.8	0.99	
30313	2GB	65	140	36	33	28	3	2.5	204	232	2600	3600	29	84	77	128	122	130	2	2	0.35	1.7	0.9	
31313	7GB	65	140	36	33	23	3	2.5	161	194	2200	3200	44	80	77	128	111	132	2	2	0.83	0.72	0.4	
27713E	----	65	140	40	39	26	3.5	2	200	240	2600	3600	42	80	77	132	109	133	----	----	0.73	0.8	0.45	
32313	2GD	65	140	51	48	39	3	2.5	256	345	2400	3400	34	80	77	128	117	130	2	2	0.35	1.7	0.9	
807713	----	65	150	53.5	54	44.5	2.3	2.3	269	390	2400	3400	37	86	75	150	117	137	----	----	0.36	1.7	0.9	
32914	2BC	70	100	20	20	16	1	1	72	117	3200	4500	18	76	79	94	93	98	1	1	0.32	1.9	1	
32014X	4CC	70	110	25	25	19	1.5	1.5	101	150	3200	4300	24	78	77	103	98	105	1	1	0.43	1.4	0.8	
33014	2CE	70	110	31	31	25.5	1.5	1.5	129	209	3200	4300	28	78	77	103	99	105	1	1	0.28	2.1	1.1	
33114	3DE	70	120	37	37	29	2	1.5	181	255	3000	4000	25	80	79	111	104	115	1.5	1.5	0.37	1.6	0.9	
7714	----	70	120	45	42	37	2.5	2.5	125	198	3000	4000	32	79	80	111	99	115	----	----	0.39	1.5	0.84	
30214	3EB	70	125	26.25	24	21	2	1.5	138	168	3000	4000	26	82	79	116	110	118	1.5	1.5	0.43	1.4	0.8	
32214	3EC	70	125	33.25	31	27	2	1.5	160	223	2800	3800	28	80	79	116	108	119	1.5	1.5	0.43	1.4	0.8	
33214	3EE	70	125	41	41	32	2	1.5	211	293	2800	3800	31	82	79	116	110	118	1.5	1.5	0.43	1.4	0.8	
30314	2GB	70	150	38	35	30	3	2.5	213	261	2400	3400	31	90	82	138	130	140	2	2	0.35	1.7	0.9	
31314	7GB	70	150	38	35	25	3	2.5	195	222	2000	3000	47	85	82	138	118	141	2	2	0.83	0.72	0.4	
32314	2GD	70	150	54	51	42	3	2.5	295	404	2200	3200	37	86	82	138	125	140	2	2	0.35	1.7	0.9	
32915	2BC	75	105	20	20	16	1	1	73	121	3200	4300	19	81	81	99	98	101	1	1	0.33	1.8	1	
32015X	4CC	75	115	25	25	19	1.5	1.5	101	162	3000	4000	25	83	82	108	103	110	1	1	0.46	1.3	0.7	

HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors			
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y	Yo
33015	2CE	75	115	31	31	25.5	1.5	1.5	131	217	3000	4000	23	84	82	108	104	110	1	1	0.3	2	1.1	
33115	3DE	75	125	37	37	29	2	1.5	186	270	2800	3800	29	84	84	116	109	120	1.5	1.5	0.4	1.5	0.8	
30215	4DB	75	130	27.25	25	22	2	1.5	142	177	2800	3800	27	86	84	121	115	124	1.5	1.5	0.43	1.4	0.8	
32215	4DC	75	130	33.25	31	27	2	1.5	160	222	2600	3600	30	85	84	131	114	125	1.5	1.5	0.43	1.4	0.8	
7515	----	75	130	33.58	31	27	1.8	1.8	126	184	2600	3600	29	87	83	125	110	123	----	----	0.41	1.5	0.81	
33215	3EE	75	130	41	41	31	2	1.5	218	310	2400	3400	32	84	84	121	111	125	1.5	1.5	0.43	1.4	0.8	
7815EK	----	75	135	44	45	35	3	2.5	182	292	2600	3600	33	87	87	126	110	128	----	----	0.4	1.5	0.82	
7815	----	75	135	44.5	45	35	2.3	2.3	175	277	2600	3600	33	87	85	135	110	128	----	----	0.4	1.5	0.82	
31315	7GB	75	160	40	37	26	3	2.5	217	260	1900	2800	50	91	87	148	127	151	2	2	0.83	0.72	0.4	
30315	2GB	75	160	40	37	31	3	2.5	248	308	2200	3200	32	96	87	148	139	149	2	2	0.35	1.7	0.9	
32315	2GD	75	160	58	55	45	3	2.5	343	439	2000	3000	38	92	87	148	133	149	2	2	0.35	1.7	0.9	
32916	2BC	80	110	20	20	16	1	1	73.9	126	3000	4000	20	85	89	104	102	108	1	1	0.35	1.7	0.94	
32016X	3CC	80	125	29	29	22	1.5	1.5	136	207	2600	3600	27	90	87	118	118	120	1	1	0.43	1.4	0.8	
33016	2CE	80	125	36	36	29.5	1.5	1.5	174	286	2600	3600	26	90	87	118	112	119	1	1	0.28	2.1	1.1	
7716E	----	80	130	32	31	25	3.5	2	137	218	2400	3400	27	91	81	122	113	125	----	----	0.38	1.6	0.88	
33116	3DE	80	130	37	37	29	2	1.5	192	283	2600	3600	30	89	89	121	114	126	1.5	1.5	0.43	1.4	0.8	
30216	3EB	80	140	28.75	26	22	2.5	2	154	202	2400	3400	28	92	90	130	124	132	2	2	0.43	1.4	0.8	
7516	----	80	140	35.5	33	28	2.3	2.3	147	216	2400	3400	31	94	90	140	119	132	----	----	0.4	1.5	0.82	
32216	3EC	80	140	35.25	33	28	2.5	2	210	279	2400	3400	32	91	90	130	122	134	2	2	0.43	1.4	0.8	
33216X2	----	80	140	45	45	36.5	3	2.5	215	348	2600	3600	30	94	92	131	120	133	----	----	0.28	2.2	1.19	
33216	3EE	80	140	46	46	35	2	2	262	380	2200	3200	35	89	90	130	119	135	2	2	0.43	1.4	0.8	
31316	7GB	80	170	42.5	39	27	3	2.5	231	263	1900	2800	53	97	82	158	134	159	2	2	0.83	0.72	0.4	
30316	2GB	80	170	42.5	39	33	3	2.5	289	337	2000	3000	34	102	92	158	148	159	2	2	0.35	1.7	0.9	
32316	2GD	80	170	61.5	58	48	3	2.5	371	514	1900	2800	41	98	92	158	142	159	2	2	0.35	1.7	0.9	
32917	2BC	85	120	23	23	18	1.5	1.5	97.5	160	2800	3800	21	92	96	111	111	117	1	1	0.33	1.8	1	
32017X	4CC	85	130	29	29	22	1.5	1.5	140	215	2400	3400	28	94	92	123	117	125	1	1	0.4	1.35	0.8	
33017	2CE	85	130	36	36	29.5	1.5	1.5	177	299	2600	3600	26	94	92	123	118	125	1	1	0.3	2	1.1	
33117	3DE	85	140	41	41	32	2.5	2	229	341	2400	3400	32	95	95	130	122	135	2	2	0.4	1.5	0.8	
30217	3EB	85	150	30.5	28	24	2.5	2	168	221	2200	3200	31	97	95	140	132	141	2	2	0.43	1.4	0.8	
32217	3EC	85	150	38.5	36	30	2.5	2	221	324	2200	3200	34	97	95	140	130	142	2	2	0.43	1.4	0.8	
33217	3EE	85	150	49	49	37	2.5	2	285	422	2000	3000	37	96	95	140	128	144	2	2	0.43	1.4	0.8	
31317	7GB	85	180	44.5	41	28	4	3	242	285	1800	2600	55	103	99	166	143	169	2.5	2.5	0.83	0.72	0.4	
30317	2GB	85	180	44.5	41	34	4	3	316	371	1900	2800	36	107	99	166	156	167	2.5	2.5	0.35	1.7	0.9	

## HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)						Constant axial load factors			
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y
32317	2GD	85	180	63.5	60	49	4	3	439	576	1800	2600	44	103	99	166	150	167	2.5	2.5	0.35	1.7	0.9
32918	2BC	90	125	2	23	18	1.5	1.5	100	73	2600	3600	22	97	101	116	116	122	1	1	0.34	1.8	0.96
2007118	----	90	140	32.4	30	26	2	1.5	136	196	2200	3200	23	100	99	131	125	134	----	----	0.34	1.8	0.97
32018X	3CC	90	140	32	32	24	2	1.5	163	248	2200	3200	30	100	99	131	125	134	1.5	1.5	0.43	1.4	0.8
33018	2CE	90	140	39	39	32	2	1.5	217	355	2200	3200	27	100	99	131	127	135	1.5	1.5	0.27	2.2	1.3
33118X2	----	90	150	38.5	36	30	2.5	2	190	310	2000	3000	34	103	100	142	130	145	----	----	0.42	1.4	0.79
33118YB2	----	90	150	45	45	35	2.5	2	220	390	2000	3000	35	104	100	142	127	145	----	----	0.4	1.5	0.83
33118	3DE	90	150	45	45	35	2.5	2	265	395	2000	3000	35	101	100	140	130	144	2	2	0.4	1.5	0.8
33118/HA	----	90	150	45	45	35	2.5	2	270	424	2000	3000	35	102	100	142	128	145	----	----	0.4	1.5	0.83
30218	3FB	90	160	32.5	30	26	2.5	2	187	244	2000	3000	33	104	100	150	140	150	2	2	0.43	1.4	0.8
7518	----	90	160	43	40	34	2.3	2.3	197	293	2000	3000	35	106	100	160	135	151	----	----	0.39	1.6	0.85
7718	----	90	160	50	46	39	3	3	214	321	2000	3000	35	103	102	149	133	149	----	----	0.34	1.8	0.97
32218	3FC	90	160	42.5	40	34	2.5	2	257	374	2000	3000	37	102	100	150	138	152	2	2	0.43	1.4	0.8
7818	----	90	170	62	59.5	49	2.5	2.5	327	524	2000	3000	42	107	100	161	139	161	----	----	0.36	1.7	0.92
31318	7GB	90	190	46.5	43	30	4	3	264	315	1700	2400	22	109	104	176	151	179	2.5	2.5	0.83	0.72	0.4
30318	2GB	90	190	46.5	43	36	4	3	337	429	1800	2600	38	113	104	176	165	176	2.5	2.5	0.35	1.7	0.9
32318	2GD	90	190	67.5	64	53	4	3	490	651	1700	2400	45	109	104	176	157	177	2.5	2.5	0.35	1.7	0.9
32919	2BC	95	130	23	23	18	1.5	1.5	102	177	2400	3400	23	102	106	121	121	127	1	1	0.26	1.7	0.92
2007119	----	95	145	32.4	30	26	2	1.5	146	248	2200	3200	33	105	104	136	130	140	----	----	0.36	1.7	0.93
32019X	4CC	95	145	32	32	24	2	1.5	166	258	2200	3200	31	105	104	136	130	139	1.5	1.5	0.44	1.35	0.8
33019	2CE	95	145	39	39	32.5	2	1.5	212	370	2200	3200	28	104	104	131	136	139	1.5	1.5	0.28	2.1	1.1
7819	----	95	160	47	47	38	3	3	260	460	2200	3200	35	108	107	149	137	153	----	----	0.34	1.8	0.97
7819E	----	95	160	47	47	38	3	2.5	295	435	2200	3200	28	67	107	151	96	110	----	----	0.28	2.2	1.19
30219	3FB	95	170	34.5	32	27	3	2.5	235	296	1900	2800	34	110	107	158	149	159	2	2	0.43	1.4	0.8
32219	3FC	95	170	45.5	43	37	3	2.5	315	436	1900	2800	39	109	107	158	145	161	2	2	0.43	1.4	0.8
31319	7GB	95	200	49.5	45	32	4	3	302	383	1700	2400	62	114	109	186	157	187	2.5	2.5	0.83	0.72	0.4
30319	2GB	95	200	49.5	45	38	4	3	383	459	1800	2600	40	118	109	186	172	184	2.5	2.5	0.35	1.7	0.9
32319	2GD	95	200	71.5	67	55	4	3	507	719	1700	2400	49	115	109	186	166	186	2.5	2.5	0.35	1.7	0.9
2007920	----	100	140	25	25	20	1.5	1.5	93	167	2000	3000	24	110	108	133	128	136	----	----	0.33	1.8	1
32920	2CC	100	140	25	25	20	1.5	1.5	130	218	2200	3200	24	109	111	132	132	137	1	1	0.33	1.8	1
32020X	4CC	100	150	32	32	24	2	1.5	169	265	2000	3000	32	110	109	141	134	144	1.5	1.5	0.46	1.3	0.7
33020	2CE	100	150	39	39	32.5	2	1.5	226	385	2000	3000	29	109	109	141	135	143	1.5	1.5	0.28	2.1	1.1

**HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type**

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)						Constant axial load factors				
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y	Yo
30220	3FB	100	180	37	34	29	3	2.5	235	296	1900	2800	36	116	112	168	157	168	2	2	0.43	1.4	0.8	
32220	3FC	100	180	49	46	39	3	2.5	331	496	1800	2600	42	115	112	168	154	171	2	2	0.43	1.4	0.8	
33220	3FE	100	180	63	63	48	3	2.5	444	656	1700	2400	43	112	112	168	151	172	2	2	0.4	1.5	0.8	
30320	2GB	100	215	51.5	47	39	4	3	420	503	1700	2400	42	121	114	201	184	197	2.5	2.5	0.35	1.7	0.9	
31320	7GB	100	215	56.5	51	35	4	3	361	467	1600	2200	68	121	114	201	168	202	2.5	2.5	0.83	0.72	0.4	
32320	2GB	100	215	77.5	73	60	4	3	686	849	1600	2200	53	123	114	201	177	200	2.5	2.5	0.35	1.7	0.9	
32921	2CC	105	145	25	25	20	1.5	1.5	131	231	2200	3000	26	114	116	137	137	142	1	1	0.34	1.8	0.96	
2007121	----	105	160	35.4	33	28	2.5	2	155	256	1800	2600	31	116	115	150	143	154	----	----	0.36	1.7	0.93	
32021X	4DC	105	160	35	35	26	2.5	2	196	309	1900	2800	35	116	115	150	143	154	2	2	0.44	1.35	0.8	
33021	2DE	105	160	43	43	34	2.5	2	226	385	1900	2800	31	117	115	150	145	153	2	2	0.28	2.1	1.1	
7221E	----	105	190	39	36	30	3	2.5	265	368	1800	2600	39	125	117	181	162	177	----	----	0.42	1.4	0.79	
30221	3FB	105	190	39	36	30	3	2.5	297	385	1800	2600	38	123	117	187	165	177	2	2	0.43	1.4	0.8	
32221	3FC	105	290	53	50	43	3	2.5	372	567	1800	2600	45	120	117	178	161	180	2	2	0.43	1.4	0.8	
7721	----	105	215	78	73	60	3	3	500	755	1900	2800	49	129	117	204	175	198	----	----	0.31	1.9	1.05	
30321	2GB	105	225	53.5	49	41	4	3	449	538	1600	2200	44	133	119	211	193	206	2.5	2.5	0.35	1.7	0.9	
31321	7GB	105	225	58	53	36	4	3	386	502	1500	2000	70	127	119	211	176	211	2.5	2.5	0.83	0.72	0.4	
32321	2GB	105	225	81.5	77	63	4	3	740	921	1500	2000	55	129	119	211	185	209	2.5	2.5	0.35	1.7	0.9	
2007922	----	110	150	24.4	24	20	1.5	1.5	80	138	2000	3000	23	120	118	143	138	145	----	----	10.28	2.1	1.117	
32922	2CC	110	150	25	25	20	1.5	1.5	132	238	2200	2800	26	119	121	142	142	147	1	1	0.36	1.7	0.93	
2007122	----	110	170	38.4	36	31	2.5	2	180	297	1800	2600	33	122	120	160	152	163	----	----	0.35	1.7	0.95	
32022X	4DC	110	170	38	38	29	2.5	2	228	358	1800	2600	36	123	120	160	152	163	2	2	0.43	1.4	0.8	
33022	2DE	110	170	47	47	37	2.5	2	288	501	1800	2600	34	123	120	160	152	161	2	2	0.28	2.1	2.1	
33122	3EF	110	180	56	56	43	2.5	2	369	585	1800	2600	44	121	120	170	155	174	2	2	0.43	1.4	0.8	
30222	3FB	110	200	41	38	32	3	2.5	328	434	1700	2400	40	129	122	188	174	187	2	2	0.43	1.4	0.8	
32222	3FC	110	200	56	53	46	3	2.5	408	625	1700	2400	47	127	122	188	170	190	2	2	0.43	1.4	0.8	
30322	2GB	110	240	54.5	50	42	4	3	490	587	1600	2200	45	142	124	226	206	220	2.5	2.5	0.35	1.7	0.9	
31322	7GB	110	240	63	57	38	4	3	452	602	1400	1900	75	135	124	226	188	224	2.5	2.5	0.83	0.72	0.4	
32322	2GD	110	240	84.5	80	65	4	3	753	1054	1400	1900	58	137	124	226	198	222	2.5	2.5	0.35	1.7	0.9	
7723	----	115	190	49	49	35	2.5	2.5	256	439	1600	2200	42	131	120	181	160	180	----	----	0.44	1.4	0.74	
32924	----	120	165	29	29	23	1.5	1.5	177	320	1900	2600	29	131	129	156	155	162	1	1	0.35	1.7	0.95	
2007124	2CC	120	180	38.4	36	31	2.5	2	209	328	1700	2400	29	131	130	170	161	173	----	----	0.37	1.6	0.89	

## HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors			
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y	Yo
32024X4	4DC	120	180	38	38	29	2.5	2	221	389	1700	2400	39	132	130	170	161	173	2	2	0.46	1.3	0.7	
33024	2DE	120	180	48	48	38	2.5	2	293	523	1800	2600	36	132	130	170	160	171	2	2	0.3	2	1.1	
30224	4FB	120	215	43.5	40	34	3	2.5	353	462	1600	2200	44	141	132	203	187	201	2	2	0.43	1.4	0.8	
7524	----	120	215	62	58	50	2.5	2.5	391	663	1600	2200	51	140	120	206	177	202	----	----	0.41	1.5	0.8	
32224	4FD	120	215	61.5	58	50	3	2.5	461	726	1600	2200	52	137	132	203	181	204	2	2	0.43	1.4	0.8	
30324	2GB	120	260	59.5	55	46	4	3	542	718	1500	2000	49	153	134	246	221	237	2.5	2.5	0.35	1.7	0.9	
31324	7GB	120	260	68	62	42	4	3	519	698	1200	1700	82	145	134	246	203	244	2.5	2.5	0.83	0.72	0.4	
32324	2GD	120	260	90.5	86	69	4	3	809	1199	1300	1800	62	148	134	246	213	239	2.5	2.5	0.35	1.7	0.9	
2007926	----	130	180	32.5	30	26	2	1.5	136	249	1700	2400	28	142	139	173	164	174	----	----	0.27	2.2	1.22	
32926	2CC	130	180	32	32	25	2	1.5	199	357	1700	2400	32	141	139	171	167	173	1.5	1.5	0.33	1.8	1	
2007126	----	130	200	45.5	42	36	2.5	2	246	420	1500	2000	39	144	140	190	178	192	----	----	0.35	1.7	0.95	
32026X	4EC	130	200	45	45	34	2.5	2	310	506	1600	2200	43	144	140	190	178	192	2	2	0.43	1.4	0.8	
30226	4FB	130	230	43.75	40	34	4	3	379	499	1500	2000	46	152	144	216	203	217	2.5	2.5	0.43	1.4	0.8	
7526EY	----	130	230	67.75	66	54	4	3	520	810	1500	2000	45	154	144	219	196	214	----	----	0.26	2.3	1.25	
32226	4FD	130	230	67.75	64	54	4	3	506	796	1500	2000	57	146	144	216	193	219	2.5	2.5	0.43	1.4	0.8	
30326	2GB	130	280	63.75	58	49	5	4	621	825	1300	1800	53	164	148	262	239	255	3	3	0.35	1.7	0.9	
31326	7GB	130	280	72	66	44	5	4	581	787	1100	1600	87	157	148	262	218	261	3	3	0.83	0.72	0.4	
7626	----	130	280	99.5	93	78	3.7	3.7	793	1250	1100	1600	65	168	144	280	227	258	----	----	0.32	1.9	1.04	
32326	----	130	280	98.75	93	78	5	4	1180	1160	1100	1600	66	160	148	262	230	260	3	3	0.37	1.7	0.9	
2007928	----	140	190	32.5	30	26	2	1.5	140	257	1600	2200	28	142	149	183	164	174	----	----	0.27	2.2	0.22	
32928	2CC	140	190	32	32	25	2	1.5	200	368	1600	2200	34	150	149	181	177	184	1.5	1.5	0.35	1.7	0.9	
2007128	----	140	210	45.5	42	36	2.5	2	251	442	1600	2200	42	153	150	201	187	202	----	----	0.37	1.6	0.89	
32028X	4DC	140	210	45	45	34	2.5	2	303	546	1600	2200	46	153	150	200	187	202	2	2	0.46	1.3	0.7	
7728	----	140	230	58	57	45	3	3	363	661	1600	2200	56	182	152	219	217	242	----	----	0.44	1.4	0.74	
30228	4FB	140	250	45.75	42	36	4	3	399	560	1400	1900	49	164	154	236	219	234	2.5	2.5	0.43	1.4	0.8	
32228	4FD	140	250	71.75	68	58	4	3	606	976	1400	1900	60	159	154	236	210	238	2.5	2.5	0.43	1.4	0.8	
7828	----	140	300	90	82	60	3.7	3.7	600	916	1200	1700	91	176	154	300	228	276	----	----	0.73	0.8	0.45	
30328	2GB	140	300	67.75	62	53	5	4	710	954	1200	1700	57	176	158	282	255	273	3	3	0.35	1.7	0.9	
31328	7GB	140	300	77	70	47	5	4	693	900	1000	1500	90	169	158	282	235	280	3	3	0.83	0.72	0.4	
32328	----	140	300	107.75	102	85	5	4	985	1440	1200	1600	76	177	172	282	246	284	3	3	0.37	1.6	0.88	
2007930	----	150	210	38.5	36	31	2.5	2	199	384	1500	2000	33	165	160	202	191	201	----	----	0.27	2.2	1.21	
32930	2DC	150	210	38	38	30	2.5	2	267	532	1600	2100	37	162	160	200	192	202	2	1.5	0.33	1.83	1.01	



## HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors			
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y	Yo
2007130	----	150	225	48.5	45	38	3	2.5	254	454	950	1400	46	164	162	213	200	216	----	----	0.39	1.5	0.85	
32030X	4EC	150	225	48	48	36	3	2.5	343	619	1500	2000	49	164	162	213	200	216	2.5	2	0.5	1.2	0.7	
33030	2EE	150	225	59	59.0.0	46	3	2.5	459	867	1500	2000	48	164	162	213	200	217	2.5	2	0.37	1.6	0.9	
30230	4GB	150	270	49	45	38	4	3	431	628	1300	1800	52	175	164	256	234	250	2.5	2.5	0.43	1.4	0.8	
32230	4GD	150	270	77	73	60	4	3	752	1155	1200	1700	65	171	164	256	226	254	2.5	2.5	0.43	1.4	0.8	
30330	2GB	150	320	72	65	55	5	4	790	1060	1100	1600	62	189	168	302	273	292	3	3	0.35	1.7	0.9	
31330	7GB	150	320	82	745	50	5	4	781	1020	950	1400	96	181	168	302	251	300	3	3	0.83	0.72	0.4	
32330	----	150	320	114	108	90	5	4	1170	1660	950	140	76	183	168	302	264	299	3	3	0.35	1.7	0.9	
2007932	----	160	220	38.5	36	31	2.5	2	211	400	1500	2000	34	175	170	212	203	213	----	----	0.27	2.2	1.23	
32932	2DC	160	220	38	38	30	2.5	2	267	532	1500	1900	39	170.5	170	210	199	213.5	2	1.5	0.35	1.73	0.95	
2007132	----	160	240	51.5	48	41	3	2.5	343	629	1100	1600	47	175	172	228	213	231	----	----	0.37	1.6	0.89	
32032X	4EC	160	240	51	51	38	3	2.5	376	686	1300	1800	52	175	172	228	213	132	2	2	0.46	1.3	0.7	
30232	4GB	160	290	52	48	40	4	3	490	720	1100	1600	56	189	174	286	252	269	2.5	2.5	0.43	1.4	0.8	
32232	4GD	160	290	84	80	67	4	3	833	1402	1100	1600	70	183	174	276	242	274	2.5	2.5	0.43	1.4	0.8	
27332	----	160	340	88	79	54	3.7	3.7	750	1081	1000	1500	100	199	161	340	265	315	----	----	0.76	0.8	0.43	
30332	2GB	160	340	75	68	58	5	4	868	1167	1000	1500	63	201	178	322	290	310	3	3	0.35	1.7	0.9	
32332	----	160	340	121	114	95	5	4	1400	2230	1000	1500	81	199	176	327	274	314	----	----	0.35	1.7	0.96	
7832	----	160	375	87.3	79.4	50.3	4.7	4.7	790	1057	1000	1500	98	214	176	375	295	337	----	----	0.7	0.9	0.47	
2007934	----	170	230	38.5	36	31	2.5	2	214	415	1400	1900	36	185	180	222	213	224	----	----	0.28	2.1	1.17	
32934	3DC	170	230	38	38	30	2.5	2	268	520	1400	1900	42	183	180	220	213	222	2	2	0.37	1.6	0.9	
2007134	----	170	260	57.5	54	46	3	2.5	391	752	1400	1900	47	187	182	248	230	249	---	----	0.31	1.9	1.07	
32034X	4EC	170	260	57	57	43	3	2.5	473	867	1200	1700	56	188	182	248	230	249	2	2	0.44	1.35	0.8	
30234	4GB	170	310	57	52	43	5	4	569	831	1100	1500	60	203	188	292	268	288	3	3	0.43	1.4	0.8	
32234	4GD	170	310	91	86	71	5	4	946	1601	1000	1500	76	196	188	292	259	294	3	3	0.43	1.4	0.8	
30334	2GB	170	360	80	72	62	5	4	971	1347	950	1400	68	213	188	342	307	329	3	3	0.35	1.7	0.9	
7634	----	170	360	128	120	100	3.7	3.7	1296	2116	950	1400	87	213	184	360	288	332	----	----	0.36	1.7	0.92	
32936	4DC	180	250	45	45	34	2.5	2	326	675	1200	1700	54	194	190	240	225	241	2	2	0.48	1.25	0.7	
2007136	----	180	280	64.5	60	52	3	2.5	473	860	950	1400	53	199	192	268	247	267	----	----	0.28	2.2	1.19	
32036X	3FD	180	280	64	64	48	3	2.5	617	1060	1100	1600	60	199	192	268	247	267	2	2	0.43	1.4	0.8	
7736	----	180	290	65	63.5	48	2.3	2.3	489	920	950	1400	62	207	196	290	247	274	----	----	0.44	1.4	0.75	
30236	4GB	180	320	57	52	43	5	4	586	875	1000	1500	63	211	198	302	278	297	3	3	0.46	1.3	0.7	
32236	4GD	180	320	91	86	71	5	4	975	1687	950	1400	79	204	198	302	267	303	3	3	0.46	1.3	0.7	

## HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)						Constant axial load factors			
		d	D	T	B	C	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil		a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y
30336	----	180	380	83	75	64	5	4	1054	1294	900	1300	71	133	207	362	324	349	3	3	0.36	1.7	0.92
32938	4DC	190	260	45	45	34	2.5	2	330	675	1100	1600	55	204	200	250	235	251	2	2	0.48	1.25	0.7
32938X2A	----	190	260	45.5	42	36	2.5	2	675	1040	1100	1600	49	205	202	252	235	251	----	----	0.38	1.6	0.86
7138	----	190	290	51	46	40	2.5	2	349	610	950	1400	53	215	202	281	256	272	----	----	0.38	1.6	0.87
2007138	----	190	290	64.5	60	52	3	2.5	473	882	1000	1500	58	209	202	278	257	279	----	----	0.37	1.6	0.89
32038X	4FD	190	290	64	64	48	3	2.5	630	1100	1100	1500	63	210	202	278	257	279	2	2	0.44	1.35	0.8
30238	4GB	190	340	60	55	46	5	4	672	990	950	1400	65	224	208	322	298	318	3	3	0.43	1.4	0.8
32238	4GD	190	340	97	92	75	5	4	1097	1879	900	1300	82	216	208	322	286	323	3	3	0.43	1.4	0.8
30338	----	190	400	86	78	65	6	5	1139	1410	850	1200	76	248	223	378	346	370	4	4	0.36	1.7	0.92
2007940K	----	200	280	51.5	48	41	3	2.5	348	742	1000	1500	54	220	212	271	251	270	----	----	0.39	1.5	0.84
2007940	----	200	280	51.5	48	41	3	2.5	348	742	1000	1500	54	220	212	271	251	270	----	----	0.39	1.5	0.84
32940	3EC	200	280	51	51	39	3	2.5	429	846	1000	1500	54	217	212	268	257	271	2.5	2	0.4	1.5	0.8
2007140	----	200	310	70.5	66	56	3	2.5	525	1040	950	1400	65	221	212	298	273	297	----	----	0.39	1.5	0.84
32040X	4FD	200	310	70	70	53	3	2.5	737	1290	950	1400	67	222	212	298	273	297	2.5	2	0.43	1.4	0.8
30240	4GB	200	360	64	58	48	5	4	744	1111	900	1300	69	237	218	342	315	336	3	3	0.43	1.4	0.8
32240	3GD	200	360	104	98	82	5	4	1287	2157	800	1100	85	153	238	382	334	379	3	3	0.43	1.4	0.8
32944	3EC	220	300	51	51	39	3	2.5	438	895	1000	1400	59	234	232	288	271	290	2	2	0.43	1.41	0.78
2007944	----	220	300	51.5	48	41	3	2.5	354	835	900	1400	66	310	232	342	291	364	----	----	0.39	1.5	0.84
2007144	----	220	340	76.5	72	62	4	3	709	1336	950	1400	67	243	234	326	300	326	----	----	0.35	1.7	0.95
32044X	4FD	220	340	76	76	57	4	3	838	1490	900	1300	72	244	234	326	300	326	2.5	2.5	0.43	1.4	0.8
30244	----	220	400	72	65	54	5	4	1034	1450	850	1200	75	259	238	382	348	371	3	3	0.43	1.4	0.8
7244	----	220	400	73	65	54	3.7	3.7	780	1181	9000	1300	71	256	220	382	334	382	----	----	0.37	1.6	0.88
32244	----	220	400	114	108	90	5	4	1712	2912	800	1100	95	253	238	382	334	379	3	3	0.43	1.4	0.8
32948	4EC	240	320	51	21	39	3	2.5	516	1090	900	1300	64	255	252	308	294	311	2	2	0.46	1.3	0.7
2007148	----	240	360	76.5	72	62	4	3	698	1414	850	1200	65	261	254	346	318	346	----	----	0.31	1.9	1.05
32048X	4FD	240	360	76	76	57	4	3	878	1630	850	1200	78	262	254	346	318	346	2.5	2.5	0.46	1.3	0.7
32952	3EC	260	360	63.5	63.5	48	3	2.5	700	1544	800	1100	70	279	272	348	325	347	2	2	0.41	1.48	0.81
2007952	----	260	360	64.5	60	52	3	2.5	528	1187	800	1100	60	286	272	351	325	344	----	----	0.3	2	1.09
2007152	----	260	400	87.7	82	71	5	4	912	1835	800	1100	71	287	278	382	352	383	----	----	0.3	2	1.11
32052X	4FC	260	400	87	87	65	5	4	1133	2093	800	1100	84	287	278	382	352	383	3	3	0.43	1.4	0.8

## HRB Bearing Catalogue - Tapered Roller Bearings - Single Row Type

Bearing numbers	Dimensions series to ISO355	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)						Constant axial load factors			
		d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y	Yo
32956	4EC	280	380	63.5	63.5	48	3	2.5	733	1634	800	1100	75	298	292	368	348	368	2	2	0.43	1.4	0.8
2007965	----	280	380	64.5	60	52	3	2.5	543	1257	800	1100	64	305	292	371	344	364	----	----	0.32	1.9	1.03
F-7909		47	100	43	43	37	1.8	1.8	160	200	5300	6700	26	57	57	86	95	6	1.8	57	0.3	1.9	1.1
F-7813		65	110	30.35	30	24	3	1.8	118	150	3200	4300	21	-	-	-	-	-	-	-	0.4	1.49	0.82
F-7813E		65	110	31	31	25	2	2	130	185	3200	4300	25	-	-	-	-	-	-	-	0.4	1.49	0.82
F7815E		75	135	44.5	45	36.5	2.5	2	234	342	3000	3800	29	82	85	119	131	5	2	82	0.28	2.2	1.2
F-7815EK		75	135	44	45	35	2.5	2	198	316	3000	3800	32	82	85	119	31	5	3	82	0.28	2.2	1.2
F7816-E		80	140	45	45	36.5	3	2.5	247	367	2900	3600	31	87	90	127	136	5	2.5	87	0.28	2.2	1.2

## HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors		
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo
11590/	11520	15.875	42.862	14.288	14.288	9.525	1.5	1.5	18	17	8500	12000	13	23	23	36	32	38	1	1	0.72	0.84	0.45
21063/	21212	15.875	53.975	22.225	21.839	15.875	2.3	2.3	39.6	39	7500	10000	16	23	28	45	40	50	1	2	0.6	1	0.6
LM11749/	LM11710	17.462	39.878	13.843	14.605	10.668	1.3	1.3	22.8	22.3	9000	13000	9	23	24	35	33.5	36	1	1	0.28	2.1	1.1
LM11919/	LM11910	19.05	45.237	15.494	16.637	12.062	1.3	1.3	29.5	28.9	2900	8500	10	25	25.5	38.5	38	41	1	1	0.3	2	1.1
21075/	212121	19.05	53.975	22.225	21.839	15.875	1.5	2.3	41.4	39.1	7500	10000	16	26	26	45	40	50	1	2	0.6	1	0.6
M12649/	M12610	21.43	50.005	17.526	18.288	13.97	1.3	1.3	36.9	38	8000	11000	11	28	28	43.5	43	46	1	1	0.28	2.1	1.1
M12648/	M12610	22.225	50.005	17.526	18.288	13.97	1.3	1.3	36.9	38	8000	11000	11	28.5	28.5	43.5	43	46	1	1	0.28	2.1	1.1
L44640/	L44610	23.812	50.292	14.224	14.732	10.668	1.5	1.3	28.1	30.3	7400	9900	11	28.5	30.5	44.5	44	47	1	1	0.37	1.6	0.88
L44642/	L44610	25.4	50.292	14.224	14.732	10.668	3.5	3.5	28.1	30.3	7500	10000	11	33	28	43.5	43.5	47	1	1	0.37	1.6	0.9
L44643/	L44610	25.4	50.292	14.224	14.732	10.668	1.3	1.3	28.1	30.3	7500	10000	11	33	32	43.5	43.5	47	1	1	0.37	1.6	0.9
M84249/	M84210	25.4	59.53	23.368	23.114	18.288	0.8	1.5	49.1	57.3	6300	9000	18	32.5	36	51	48	56	0.5	1	0.55	1.1	0.6
15101/	15243	25.4	61.912	19.05	20.638	14.288	0.8	2	46.5	54	6000	8000	13	31.5	32.5	55	54	58	0.5	1.5	0.35	1.71	0.94
15100/	15245	25.4	62	19.05	20.638	14.288	3.5	1.3	46.5	54	6000	8000	13	31.5	38	55	54	58	3.5	1.3	0.35	1.71	0.94
15101/	15245	25.4	62	19.05	20.638	14.288	0.8	1.3	46.5	54	6000	8000	14	38	31.5	55	54	58	0.6	1	0.35	1.71	0.94
15102/	15245	25.4	62	19.05	20.638	14.288	1.5	1.3	46.5	54	6000	8000	14	31.5	34	55	54	58	1.5	1.3	0.35	1.71	0.94
15101/	15244	25.4	62	20.638	20.638	15.875	0.8	1.3	46.5	54	6000	8000	14	31.5	32.5	55	54	58	0.8	1.3	0.35	1.71	0.94
15101/	15250	25.4	63.5	20.638	20.638	15.875	0.8	1.3	46.5	54	6000	8000	14	31.5		56	55	59	0.8	1.3	0.35	1.71	0.94
15101/	15250X	25.4	63.5	20.638	20.638	15.875	0.8	1.5	46.5	54	6000	8000	14	38	31.5	56	54	58	0.6	1	0.35	1.71	0.94
M86643/	886610	25.4	64.292	21.433	21.433	16.67	1.5	1.5	51.5	64.5	6000	8000	18	36.5	38	54	53	61	1.5	1.5	0.55	1.1	0.6
L44649/	L44610	26.988	50.292	14.224	14.732	10.688	3.5	1.3	28.1	30.3	7000	10000	11	33	38	43.5	43.5	47	3	1	0.37	1.6	0.9
15106/	15245	26.988	62	19.05	20.638	14.288	0.8	1.3	46.5	54	6000	8000	13	33	33.5	55	54	58	0.8	1.3	0.35	1.71	0.94
F-0676/	L45410	28	50.292	14.15	16.74	10.668	3.5	3.5	27.4	34.5	7000	9500	11	33	39.5	44.5	44	48	3	3	0.37	1.6	0.9
15112/	15245	28.575	62	18.05	26.638	14.288	3.5	1.3	46.5	54	6000	8000	13	33	40	55	54	58	3	1	0.35	1.7	0.9
15113/	15245	28.575	62	18.05	26.638	14.288	0.8	1.3	46.5	54	6000	8000	14	34	34.5	55	54	58	0.8	1.3	0.35	1.7	0.94
M86647/	M86610	28.575	64.292	21.433	21.433	16.67	1.5	1.5	51.5	64.5	6000	8000	18	38	36	56.5	51	60	1	1	0.51	1.1	0.6

## HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)						Constant axial load factors			
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo
2578/	2523	28.575	69.85	23.812	25.357	19.02	1.3	1.3	69	81.5	5700	7600	13	35	39	61.5	61	64	2	1	0.27	2.19	1.21
L45449/	L45410	29	50.292	14.224	14.732	10.688	3.5	1.3	27.4	34.5	4000	9500	11	34	40.5	45	43.5	48	3	1	0.37	1.6	0.9
15177/	15245	29.987	62	19.05	20.638	14.288	1.3	1.3	46.5	54	6000	8000	13	35	36.5	55	54	58	1.3	1.3	0.35	1.71	0.94
14117A/	14276	30	69.012	19.845	19.583	15.845	3.5	1.3	48.5	58	5600	7400	16	39.5	42.5	60	59	63	3.5	1.3	0.38	1.57	0.86
15116/	15245	30.112	62	19.05	20.638	14.288	0.8	0.3	46.5	54	6000	8000	13	35.5	36	55	54	58	0.8	1.3	0.35	1.71	0.94
M86649/	M86610	30.162	64.292	24.433	24.433	16.67	1.5	1.5	51.9	52.3	6000	8000	18	38	38	56.5	51	60	1	1	0.54	1.1	0.6
2558/	2523	30.162	69.85	23.812	25.357	19.05	2.3	1.3	69	81.5	5700	7600	14	36.5	40	61	60	64	2.3	1.3	0.27	2.19	1.21
15118/	15245	30.213	62	19.05	20.638	14.288	3.5	1.3	46.5	54	6000	8000	13	38	40	55	54	58	3	1	0.35	1.71	0.94
15119/	15245	30.213	62	19.05	20.638	14.288	1.5	1.3	46.5	54	6000	8000	13	35.5	37.5	55	54	58	1.5	1.3	0.35	1.71	0.94
15120/	15245	30.213	62	19.05	20.638	14.288	0.8	1.3	46.5	54	6000	8000	13	35.5	36	55	54	58	0.8	1.3	0.35	1.71	0.94
14116/	14274	30.226	69.012	19.845	19.583	15.875	0.8	3.3	48.5	58	5600	400	16	36.5	37	59	58	63	0.8	3.3	0.38	1.57	0.86
14116/	14276	30.226	69.012	19.845	19.583	15.875	0.8	1.3	48.5	58	5600	400	16	36.5	37	60	59	63	0.8	1.3	0.38	1.57	0.86
14116/	14283	30.226	72.085	22.385	19.583	18.415	0.8	2.3	48.5	58	5600	400	18	36.5	37	60	59	63	0.8	2.3	0.38	1.57	0.86
M86648A/	M86610	30.955	64.292	24.433	24.433	16.67	1.5	1.5	51	64.5	5600	8000	18	38	42	54	53	61	1.5	1.5	0.55	1.1	0.6
F-0687/	F-0671	31.75	54	15	15	12	3	3	34.2	4.9	6100	8100	12	38	44	51	50	54	3.5	1	0.42	1.44	0.79
LM67048/	LM67010	31.75	59.131	15.875	16.764	11.811	3.6	1.3	35.9	47.7	6300	8500	13	38	44.5	52	51	55	3.5	1	0.4	1.5	0.8
LM67048/	LM67010	31.75	59.131	15.875	16.764	11.811	1.5	1.3	35.9	47.7	6300	8500	13	38	44.5	52	51	55	1	1	0.4	1.5	0.8
LM67049A/	LM67010	31.75	59.131	15.875	16.764	11.811	0.8	1.3	35.9	47.7	6300	8500	13	38	44.5	52	51	55	0.5	1	0.4	1.5	0.8
15123/	15245	31.75	62	18.161	19.05	14.288	4	1.3	46.5	54	6000	8000	13	38	43.5	55	54	58	3	1	0.35	1.7	0.9
15125/	15245	31.75	62	19.05	20.638	14.288	3.5	1.3	46.5	54	6000	8000	15	36.5	42.5	55	54	58	3.5	1.3	0.35	1.7	0.9
15126/	15245	31.75	62	19.05	20.638	14.288	0.8	1.3	46.5	54	6000	8000	13	36.5	37	55	54	58	0.8	1.3	0.35	1.7	0.9
15123/	15250	31.75	63.5	19.749	19.05	15.875	3.5	1.3	44.6	49	5600	7500	14	38	43.5	56	53	58	3	1	0.35	1.7	0.9
2580/	2520	31.75	66.421	25.4	25.357	20.638	0.8	3.3	69.3	81.5	5600	7500	17	40	38	58	55	58	0.6	3	0.35	1.7	0.9
14124/	14276	31.75	69.012	19.845	19.583	15.875	0.8	1.3	48.3	56.2	5600	7400	16	37.5	38.5	60	59	63	0.8	1.3	0.38	1.57	0.86
14125A/	14274	31.75	69.012	19.845	19.583	15.875	3.5	3.3	48.3	56.2	5600	7500	15	37	44	60	59	63	3	3	0.38	1.6	0.86

## HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)						Constant axial load factors				
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo	
14125A/	14276	31.75	69.012	19.845	19.583	15.875	3.5	1.3	48.3	56.2	5600	7400	16	37.5	44	60	59	63	3.5	1.3	0.38	1.57	0.86	
2580/	2523	31.75	69.85	23.812	25.357	19.05	0.8	1.3	69.3	81.5	5600	7500	17	37.5	38.5	61	60	64	0.8	1.3	0.27	2.2	1.3	
2582/	2523S	31.75	69.85	23.812	25.357	19.05	0.8	1.5	69.3	81.5	5600	7500	17	37.5	38.5	61	60	64	0.8	1.5	0.27	2.2	1.3	
2582/	2523	31.75	69.85	23.812	25.357	19.05	3.5	1.3	69.3	81.5	5600	7500	17	37.5	44	61	60	64	3.5	1.3	0.27	2.19	1.21	
HM89440/	HM89410	31.75	76.2	29.37	28.575	23.02	0.8	3.3	78	105	5100	6800	23	44.5	45.5	62	61	73	0.8	6.5	0.8	1.1	0.6	
M88048/	M88010	33.338	68.262	22.225	22.225	17.462	0.8	1.5	55	69.5	5600	7500	19	41	39.5	60.5	54	64	0.6	1	0.54	1.1	0.6	
M88048/	M88011	33.338	68.262	22.225	22.225	17.462	0.8	2.3	55	69.5	5600	7500	19	41	39.5	59	54	64	0.6	2	0.54	1.1	0.6	
14130/	14276	33.338	69.012	19.845	19.583	15.875	3.5	1.3	46.5	54	5600	7500	15	43	45	61.5	57	63	3	1	0.37	1.6	0.9	
14131/	14276	33.338	69.012	19.845	19.583	15.875	0.8	1.3	46.5	54	5600	7500	15	38.5	39.5	60	59	63	0.8	1.3	0.38	1.6	0.86	
2581/	2523	33.338	69.85	23.812	25.357	19.05	0.8	1.3	69	81.5	5600	7500	16	39	39.5	61	60	64	0.8	1.3	0.28	2.19	1.21	
2585/	2523	33.338	69.85	23.812	25.357	19.05	0.8	1.3	69	81.5	5600	7500	16	39	39.5	61	60	64	0.8	1.3	0.28	2.19	1.21	
HM88547/	HM88510	33.338	73.025	29.37	27.783	23.02	0.8	3.3	72	97	5400	7100	24	46	43	60	59	70	4	3.3	0.55	1.1	0.6	
2785/	2720	33.338	76.2	23.812	25.654	19.05	3.5	3.3	73	90.5	5400	6800	17	40	46	66	64	70	4.5	3.3	0.3	1.98	1.09	
2790/	2720	33.338	76.2	23.812	25.654	19.05	1.5	3.3	73	90.5	5400	6800	17	40	42	66	64	70	4.5	3.3	0.3	1.98	1.09	
HM89443/	HM89410	33.338	76.2	29.37	28.574	23.02	0.8	3.3	78	105	4800	6300	23	44	40	64.5	58	72	3	3	0.54	1.1	0.6	
HM89444/	HM89410	33.338	76.2	29.37	28.574	23.02	3.8	3.3	78	105	4800	6300	23	44	40	64.5	58	73	3	3	0.54	1.1	0.6	
LM48548/	LM48510	34.925	65.088	18.034	18.288	13.97	3.6	1.3	46.2	58.7	5600	7500	14	42	47	58	57	61	3	1	0.37	1.6	0.9	
LM48548A/	LM48510	34.925	65.088	18.034	18.288	13.97	0.8	1.3	46.2	58.7	5600	7500	14	42	47	58	57	61	3	1	0.37	1.6	0.9	
LM48548/	LM48511A	34.925	65.088	21.082	18.288	17.018	3.5	1.5	46.2	58.7	5600	7500	14	42	47	58	57	61	3	1	0.37	1.6	0.9	
14137A/	14274	34.925	69.012	19.845	19.583	15.875	1.5	3.3	48.2	56.2	5600	7500	15	43	42.5	58	57	63	3	3	0.37	1.6	0.9	
14137A/	14276	34.925	69.012	19.845	19.583	15.875	1.5	1.3	48.2	56.2	5600	7500	15	43	42.5	61.5	57	63	3	1	0.37	1.6	0.9	
14138A/	14274	34.925	69.012	19.845	19.583	15.875	1.5	1.3	48.2	56.2	5600	7500	15	43	42.5	58	57	63	3	1	0.37	1.6	0.9	
14138A/	14276	34.925	69.012	19.845	19.583	15.875	3.5	1.3	48.2	56.2	5600	7500	15	43	46.5	61.5	57	63	3	1	0.37	1.6	0.9	
25877/	25820	34.925	73.025	23.812	24.608	19.05	1.5	2.3	71.7	84.5	5300	7000	15	44	42.5	63.5	62	67	1	2	0.3	2	1.1	
25877/	25821	34.925	73.025	23.812	24.608	19.05	1.5	0.8	71.7	84.5	5300	7000	15	44	42.5	66.5	62	67	1	0.6	0.3	2	1.1	
25878/	25820	34.925	73.025	23.812	24.608	19.05	1.5	2.3	71.7	84.5	5300	7000	15	44	42.5	66.5	62	67	1	2	0.3	2	1.1	
25878/	25821	34.925	73.025	23.812	24.608	19.05	3.5	0.8	71.7	84.5	5300	7000	15	40.5	47	65	64	68	3.5	0.8	0.3	2	1.1	
2793/	2735X	34.925	73.025	23.812	24.608	19.05	0.8	0.8	74.8	93	5300	7000	16	45	59	66.5	64	69	0.6	0.6	0.3	2	1.1	
2786/	2720	34.925	76.2	23.812	24.608	19.05	5	3.3	67.2	79.5	5000	6700	16	41	51	66	64	70	5	3.3	0.3	2	1.1	
2793/	2720	34.925	76.2	23.812	24.608	19.05	0.8	3.3	67.2	79.5	5000	6700	16	41	42	66	64	70	0.8	3.3	0.3	2	1.1	
2793/	2729	34.925	76.2	23.812	24.608	19.05	0.8	0.8	67.2	79.5	5000	6700	16	41	42	68	66	70	0.8	0.8	0.3	2	1.1	
2796/	2720	34.925	76.2	23.812	24.608	19.05	3.5	3.3	67.2	79.5	5000	6700	16	41	47.5	66	64	70	3.5	3.3	0.3	2	1.1	

## HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors		
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo
HM89446/	HM89410	34.925	76.2	29.37	28.575	23.02	3.5	3.3	80.5	108	4800	6300	23	44	47	64.5	58	72	3	3	0.54	1.1	0.6
3379/	3320	34.925	80.167	29.37	30.391	23.812	3.5	3.3	94.3	118	4800	6400	18	41.5	48	70	69	75	3.5	3.3	0.27	2.2	1.21
14139/	14276	34.976	69.012	19.845	19.583	15.875	1.3	1.3	48.2	56.2	5600	7500	16	40	41.5	60	59	63	1.3	1.3	0.38	1.57	0.86
L68149/	L68110	34.988	59.131	15.875	16.764	11.938	3.5	1.3	33.7	47.7	6000	8000	13	41	47.5	53	52	56	3.5	1	0.43	1.4	0.8
L68149/	L68111	34.988	59.974	15.875	16.764	11.938	3.5	1.3	33.7	47.7	6000	8000	13	41	47.5	53.5	52	56	3.5	1	0.43	1.4	0.8
26883/	26822	35	79.375	23.812	25.4	19.05	0.8	0.8	77.7	96.6	4800	6300	17	42	42.5	71	70	74	0.8	0.8	0.32	1.9	1
25880/	25821	36.487	73.025	23.812	24.608	19.05	1.5	0.8	71.7	84.5	5300	7000	15	44	44.5	66.5	62	67	1	0.6	0.3	2	1.1
2780/	2720	36.487	76.2	23.812	25.654	19.05	1.5	3.3	67.2	79.5	5000	6500	17	42.5	44.5	66	65	70	1.5	3.3	0.3	1.98	1.09
2794/	2720	36.487	76.2	23.812	25.654	19.05	3.5	3.3	67.2	79.5	5000	6700	16	46	50	64.5	64	69	3	3	0.3	2	1.1
HM89448/	HM89410	36.512	76.2	29.37	28.575	23.02	0.8	3.3	80.5	108	4800	6300	23	44	43	64.5	58	72	0.6	3	0.54	1.1	0.6
HM89449/	HM89411	36.512	76.2	29.37	28.575	23.02	3.5	0.8	80.5	108	4800	6300	23	44	43	65	60	73	3.5	0.8	0.54	1.1	0.6
26877/	26822	36.512	79.375	23.812	25.4	19.05	0.8	0.8	77.7	96.6	4800	6300	17	43	44	71	70	74	0.8	0.8	0.32	1.9	1
25570/	25520	36.512	82.931	23.812	25.4	19.05	3.5	0.8	80.9	106	4500	6000	47	45	51	74	72	77	3.5	0.8	0.33	1.8	1
LM29748/	LM29710	38.1	65.088	18.034	18.288	13.97		1.3	41.4	56	5600	7500	13	42.5	49	59	58	62		1	0.33	1.8	1
LM29749/	LM29710	38.1	65.088	18.034	18.288	13.97	2.3	1.3	41.4	56	5600	7500	13	44	47.5	58	58	61	2	1	0.33	1.8	1
F-57410S/	LM29710	38.1	65.088	18.034	21.14	13.97	3.5	1.3	41.4	56	5600	7500	13	44	47.5	59	57	61	3	1	0.33	1.8	1
LM29749/	LM29711	38.1	65.088	19.812	18.288	15.748	2.3	1.3	41.4	56	5600	7500	15	44	47.5	58	57	61	2	1	0.33	1.8	1
2776/	2720	38.1	76.2	23.812	25.654	19.05	4.3	3.3	67.2	79.5	5000	6700	13	43.5	52	66	65	70	4.3	3	0.3	1.98	1.09
2777/	2720	38.1	76.2	23.812	25.654	19.05	5.5	3.3	67.2	79.5	5000	6700	13	43.5	54	66	65	70	5.5	3.3	0.3	1.98	1.09
2788/	2720	38.1	76.2	23.812	25.654	19.05	3.5	3.3	67.2	79.5	5000	6700	13	46	50	65	64	69	3	3	0.3	1.98	1.09
2788/	2729	38.1	76.2	23.812	25.654	19.05	3.5	0.8	67.2	79.5	5000	6700	16	46	50	65	64	69	3	0.8	0.3	1.98	1.09
2788A/	2720	38.1	76.2	23.812	25.654	19.05	1.5	3.3	67.2	79.5	5000	6700	13	43.5	46	66	64	70	1.5	3.3	0.3	1.98	1.09
26878/	26822	38.1	79.375	23.812	25.4	19.05	0.8	0.8	76.5	97.5	4800	6400	17	44.5	45	71	70	74	0.8	0.8	0.32	1.88	1.04
3381/	3320	38.1	80.167	29.37	30.391	23.812	3.5	3.3	94.3	118	4800	6400	18	44.5	51	70	69	75	3.5	3.3	0.27	2.2	1.21
25572/	25520	38.1	82.931	23.812	25.4	19.05	0.8	0.8	80.9	106	4500	6000	18	46	46	74	72	77	0.8	0.8	0.33	1.79	0.99
418/	414	38.1	88.5	26.988	29.083	22.255	3.5	1.5	99.6	111	4800	6300	17	49	50	80.5	73	78	3	1	0.26	2.3	1.3
M201047/	M201011	39.688	73.025	25.654	22.098	21.336	0.8	2.3	60	80.6	5000	6700	20	47	46	63.5	62	69	0.6	2	0.33	1.8	1

**HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type**

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors			
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo	
2789/	2720	39.688	76.2	23.812	25.654	19.05	3.5	3.3	67.2	79.5	5000	6700	16	46	51.5	64.5	64	69	3	3	0.3	2	1.1	
26881/	26823	39.688	76.2	25.4	25.4	20.638	3.5	1.5	77.7	96.6	4800	6400	20	45.5	52	68	69	71	3	0.8	0.32	1.88	1.04	
3382/	3321	39.688	77.534	29.37	30.391	23.812	3.5	3.3	94.3	118	4800	6400	19	45.5	52	68	66	75	3.5	3.3	0.27	2.2	1.21	
26880/	26882	39.688	79.357	23.812	25.4	19.05	1.5	0.8	77.7	96.6	4800	6300	17	45.5	48	71	70	74	1.5	0.8	0.32	1.88	1.04	
26881/	26822	39.688	79.375	23.812	25.4	19.05	3.5	0.8	77.7	96.6	4800	6400	14	45.5	52	71	70	74	3.5	0.8	0.32	1.88	1.04	
3382/	3320	39.688	80.167	29.37	30.391	23.812	3.5	3.3	94.3	118	4800	6400	18	45.5	52	71	70	75	3.5	3.3	0.27	2.2	1.21	
3382/	3331	39.688	80.167	29.37	30.391	23.812	3.5	0.8	94.3	118	4800	6400	18	45.5	52	71	70	75	3.5	0.8	0.27	2.2	1.21	
3382/	3339	39.688	80.167	29.37	30.391	23.812	3.5	3.3	94.3	118	4800	6400	18	45.5	52	71	70	75	3.5	1.5	0.27	2.2	1.21	
3386/	3320	39.688	80.167	29.37	30.391	23.812	0.8	3.3	94.3	118	4800	6400	18	45.5	46.5	71	70	75	0.8	3.3	0.27	2.2	1.21	
3382/	3328	39.688	84.138	29.37	30.391	23.812	3.5	3.3	94.3	118	4800	6400	18	45.5	52	72	70	76	3.5	3.3	0.27	2.2	1.21	
350A/	354A	40	85	26.638	21.692	17.462	0.8	1.3	69.5	79.5	4400	5800	16	46.5	47.5	77	75	80	0.8	1.3	0.31	1.96	1.08	
420/	414	40	88.5	26.988	29.083	22.225	3.5	1.5	99.6	111	4800	6300	18	46	52	77	76	80	3.5	1.5	0.26	2.3	1.3	
LM300849/	LM300811	40.988	67.975	17.5	18	13.5	3.6	1.5	44	58.5	5300	7000	14	48	53	60	61	64	3.5	1	0.35	1.7	0.9	
LM501349/	LM501310	41.275	73.431	19.558	19.812	14.732	3.5	0.8	53.3	70.3	4800	6300	16	48	53.5	67	64	69	3	0.6	0.4	1.5	0.8	
LM501349/	LM501314	41.275	73.431	21.43	19.812	16.604	3.5	0.8	53.3	70.3	4800	6300	18	48	53.5	67	63	69	3	0.6	0.4	1.5	0.8	
LM501349/	LM501311	41.275	73.431	23.012	19.812	18.186	3.5	2.3	53.3	70.3	4800	6300	16	48	53.5	65	64	69	3	2	0.4	1.5	0.8	
11162/	11300	41.275	76.2	18.009	17.384	14.288	1.5	1.5	44.6	52.4	5000	6700	17	50	49	68	65	71	1	1	0.48	1.25	0.7	
24780/	24720	41.275	76.2	22.225	23.02	17.462	3.5	0.8	65.9	80.8	5000	6700	17	48	48	65	64	71	3	0.6	0.4	1.5	0.8	
24780/	24721	41.275	76.2	25.4	23.02	20.638	3.5	2.3	65.9	80.8	4800	6700	20	48	54	66	65	72	3	2	0.39	1.5	0.84	
26882/	26823	41.275	76.2	25.4	25.4	20.638	3.5	1.5	77.7	96.6	4800	6300	18	47	54	69	68	73	3.5	1.5	0.32	1.9	1	
26882/	26822	41.275	79.375	23.812	25.4	19.05	3.5	0.8	77.7	96.6	4800	6300	16	47	54	71	70	74	3.5	0.8	0.32	1.9	1	
26882/	26822A	41.275	79.375	23.812	25.4	19.05	3.5	2.3	77.7	96.6	4800	6300	16	47	54	69	68	74	3.5	2.3	0.32	1.9	1	
26885/	26822	41.275	79.375	23.812	25.4	19.05	0.8	0.8	77.7	96.6	4800	6300	16	47	48	71	71	74	0.8	0.8	0.32	1.9	1	
11162/	11315	41.275	80	18.009	17.384	14.288	1.5	1.5	44.6	52.4	4900	6500	17	46.5	49	69	68	73	1.5	1.5	0.49	1.23	0.68	
26882/	26824	41.275	80	23.812	25.4	19.05	3.5	1.3	77.7	96.6	4800	6300	18	47	54	70	69	74	3.5	1.3	0.32	1.9	1	
26882/	26820	41.275	80.167	25.4	25.4	20.638	3.5	3.3	77.7	96.6	4800	6300	18	47	54	69	68	74	3.5	3.3	0.32	1.9	1	
419/	414	41.275	88.5	26.988	29.083	22.225	3.5	1.5	99.6	111	4800	6300	17	49	53	80.5	73	78	3	1	0.26	2.3	1.3	
25578/	25520	42.862	82.931	23.812	25.4	19.05	2.3	0.8	76.8	97.2	4500	6000	18	49.5	53	74	72	77	2.3	0.8	0.33	1.8	0.99	
26884/	26823	42.875	76.2	25.4	25.4	20.638	3.5	1.5	77.7	96.6	4800	6400	17	48.5	55	70	71	76	3	1	0.32	1.88	1.04	



**HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type**

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors		
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo
26884/	26822	42.875	79.375	23.812	25.4	19.05	3.5	0.8	77.7	96.6	4800	6300	17	48.5	55	71	70	74	3.5	0.8	0.32	1.88	1.04
26886/	26823	42.875	79.375	23.812	25.4	19.05	1.5	0.8	77.7	96.6	4800	6300	17	48.5	55	70	71	76	3	1	0.32	1.88	1.04
26884/	26824	42.875	80	25.4	23.812	19.05	3.5	1.5	77.7	96.6	4800	6400	17	48.5	55	70	71	76	3	1	0.32	1.88	1.04
26884/	26820	42.875	80.167	25.4	25.4	20.638	3.5	3.3	77.7	96.6	4800	6400	17	48.5	55	70	71	76	3	3	0.32	1.88	1.04
25577/	25520	42.875	82.931	23.812	25.4	19.05	3.5	0.8	76.8	97.2	4500	6000	17	53	56.5	76	71	76	3	0.6	0.33	1.8	1
25580/	25520	44.45	82.931	23.812	25.4	19.05	3.5	0.8	76.8	97.2	4500	6000	17	53	56.5	76	71	76	3	0.6	0.33	1.8	1
25581/	25520	44.45	82.931	23.812	25.4	19.05	0.5	0.8	76.8	97.2	4500	6000	17	50	51	74	72	77	0.5	0.8	0.33	1.8	1
25582/	25520	44.45	82.931	23.812	25.4	19.05	5	0.8	76.8	97.2	4500	6000	17	50	60	74	72	77	5	0.8	0.33	1.8	1
355/	354A	44.45	85	20.638	21.692	17.462	2.3	1.3	69.5	79.5	4400	5800	16	50	54	77	75	80	2.3	1.3	0.31	1.96	1.08
355A/	354A	44.45	85	20.638	21.692	17.462	0.8	1.3	69.5	79.5	4400	5800	16	50	51	77	75	80	0.8	1.3	0.31	1.96	1.08
3782/	3720	44.45	93.264	30.162	30.302	23.812	3.5	3.3	104	136	4000	5300	22	60	57	81.5	80	87	3	3	0.33	1.8	1
460/	453X	44.45	104.775	30.162	29.317	24.605	3.5	3.3	104	125	3500	4700	20	54	60	92	91	98	3	3	0.34	1.79	0.98
25584/	25520	44.983	82.931	23.812	25.4	19.05	1.5	0.8	76.8	97.2	4500	6000	180	51	53	74	73	77	1.5	0.8	0.33	1.79	0.99
3776/	3720	44.983	93.264	30.162	30.302	23.812	3.5	3.3	104	136	4000	5300	22	60	57	81.5	80	88	3	3	0.33	1.8	1
358/	354A	45	85	20.638	21.692	17.462	1.5	1.3	69.5	79.5	4000	5800	15	50	53	77	76	80	1.5	1.3	0.31	1.96	1.08
LM102949/	LM102910	45.242	73.431	9.558	19.812	14.748	3.5	0.8	55	76.3	4800	6400	15	50	56	68	67	70	3.5	0.8	0.31	1.97	1.08
LM603049/	LM603011	45.242	77.788	19.842	19.842	15.08	3.5	0.8	57.1	70.7	4800	6300	17	52	57.5	71	68	74	3	0.6	0.43	1.4	0.8
LM603049/	LM603012	45.242	77.788	21.43	19.842	16.667	3.5	0.8	57.1	70.7	4800	6300	19	50	57	70	68	74	3.5	0.8	0.43	1.4	0.8
LM603049/	LM603014	45.242	79.974	19.842	19.842	15.08	3.5	0.8	57.1	70.7	4800	6300	17	50	57	71	68	75	3.5	0.8	0.43	1.4	0.8
LM102949/	LM102911	45.242	82.55	21.59	19.812	16.51	3.5	1.3	55	76.3	4800	6400	15	50	56	68	67	70	3	1	0.31	1.97	1.08
25590/	25519	45.618	82.55	23.812	25.4	19.05	3.5	2	76.8	97.2	4500	6000	18	51	58	73	72	77	3.5	2	0.33	1.8	1
25590/	25520	45.618	82.931	23.812	25.4	19.05	3.5	0.8	76.8	97.2	4500	6000	17	53	57.5	76	71	76	3	0.6	0.33	1.8	1
25590/	25523	45.618	82.931	26.988	25.4	22.225	3.5	2.3	76.8	97.2	4500	6000	20	53	57.5	73	70	76	3	2	0.33	1.8	1
25590/	25521	45.618	83.058	23.812	25.4	19.05	3.5	3.3	76.8	97.2	4500	6000	17	54	58	72	70	77	3.5	3.3	0.33	1.8	1
25590/	25522	45.618	83.058	23.879	25.4	19.114	3.5	2	76.8	97.2	4500	6000	17	53	57.5	74	71	76	3	1.5	0.33	1.8	1
25590/	25526	45.618	85	23.812	25.4	19.05	3.5	2.3	76.8	97.2	4500	6000	17	51	58	74	71	78	3.5	2.3	0.33	1.8	1
25592/	25520	46.038	82.931	23.812	25.4	19.05	3.5	0.8	76.8	97.2	4500	6000	18	52	58	73	72	77	3	0.6	0.33	1.8	1
359A/	354A	46.038	85	20.638	21.692	17.462	3.5	1.3	69.5	79.5	4500	6000	16	51	57	77	76	80	3.5	1.3	0.31	1.96	1.08

## HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors			
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo	
359S/	354A	46.038	85	20.638	21.692	17.462	2.3	1.3	69.5	79.5	4500	6000	16	51	55	77	76	80	2.3	1.3	0.31	1.96	1.08	
359S/	352	46.038	90.119	23	21.692	21.808	2.3	2.3	69.5	79.5	4500	6000	16	51	55	78	76	82	2.3	2.3	0.31	1.96	1.08	
3777/	3720	46.038	93.264	30.162	30.302	23.812	3.5	3.3	104	136	4000	5300	22	53	60	82	80	88	3.5	3.3	0.34	1.77	0.97	
3778/	3720	47.625	93.264	30.162	30.302	23.812	6.4	3.3	104	136	4000	5300	22	55	67	82	80	88	6.4	3.3	0.34	1.77	0.97	
3779/	3720	47.625	93.264	30.162	30.302	23.812	3.5	3.3	104	136	4000	5300	22	55	61	82	80	88	3.5	3.3	0.34	1.77	0.97	
386A/	382A	47.625	96.838	21	21.946	15.875	0.8	0.8	78.7	94.6	3800	5500	18	65	54.5	89.5	87	91	0.6	0.6	0.34	1.7	0.9	
463/	453X	47.625	104.775	30.162	29.317	24.605	4.8	3.3	104	125	3500	4700	23	56	65	92	92	98	4.8	3.3	0.34	1.79	0.98	
467/	453X	47.625	104.775	30.162	29.317	24.605	0.8	3.3	104	125	3500	4700	23	56	57	92	90	98	0.8	3.3	0.34	1.79	0.98	
3781/	3720	49.212	93.264	30.162	30.302	23.812	3.5	3.3	104	136	4000	5300	22	56	62	82	80	88	3.5	3.3	0.34	1.77	0.97	
LM104947A/	LM104911	49.987	82.55	21.59	22.225	16.51	0.5	1.3	67	95	4300	5700	16	55	55	75	74	78	0.5	1.3	0.31	1.97	1.08	
JLM104948/	JLM104910	50	82	21.5	21.5	17	3	0.5	67	95	4300	5700	16	55	60	76	75	78	3	0.5	0.31	1.97	1.08	
LM104947A/	JLM104910	50	82	21.59	22.225	17	0.5	0.5	67	95	4300	5700	16	55	60	76	75	78	0.5	0.5	0.31	1.97	1.08	
LM104949/	LM104911	50.8	82.55	21.59	22.225	16.51	3.5	1.3	67	95	4300	5700	16	55	62	75	74	78	3.5	1.3	0.31	1.97	1.08	
LM104949/	LM104912	50.8	82.931	21.59	22.225	16.51	3.5	1.3	67	95	4300	5700	16	55	62	75	74	78	3.5	1.3	0.31	1.97	1.08	
3775/	3720	50.8	93.264	30.162	30.302	23.812	0.8	3.3	104	136	4000	5300	22	58	58	82	80	88	0.8	3.3	0.33	1.8	1	
3780/	3720	50.8	93.264	30.162	30.302	23.812	3.5	3.3	104	136	4000	5300	22	60	63	81.5	80	87	3	3	0.33	1.8	1	
3780/	3730	50.8	93.264	30.162	30.302	23.812	3.5	0.8	104	136	4000	5300	22	58	64	84	82	88	3.5	0.8	0.33	1.8	1	
3784/	3720	50.8	93.264	30.162	30.302	23.812	6.4	3.3	104	136	4000	5300	22	58	70	82	80	88	6.4	3.3	0.34	1.77	0.97	
3780/	3726	50.8	95.25	30.162	30.302	23.812	3.5	3.3	104	136	4000	5300	22	58	64	83	82	89	3.5	3.3	0.34	1.77	0.97	
3780/	3732	50.8	98.425	30.162	30.302	23.812	3.5	3.3	104	136	4000	5300	22	58	64	84	82	90	3.5	3.3	0.34	1.77	0.97	
455/	453X	50.8	104.775	30.162	29.317	24.605	0.8	3.3	104	125	3500	4700	23	59	60	92	92	98	0.8	3.3	0.34	1.79	0.98	
455S/	453X	50.8	104.775	30.162	29.347	24.605	3.5	3.3	104	125	3500	4700	23	59	65	92	90	98	3.5	3.3	0.34	1.79	0.98	
3975/	3920	50.8	112.712	30.162	30.048	23.812	3.5	3.3	104	136	4000	5300	22	61	68	99	97	106	3.5	3.3	0.34	1.77	0.97	
3767/	3720	52.388	93.264	30.162	30.302	23.812	2.3	3.3	104	136	4000	5300	22	59	63	82	80	88	2.3	3.3	0.34	1.77	0.97	
468/	453X	52.388	104.775	30.162	29.317	24.605	1.5	3.3	104	125	3500	4700	20	60	62	92	90	98	1.5	3.3	0.34	1.79	0.98	
389A/	382A	53.975	96.838	21	21.946	15.875	0.8	0.8	78.7	94.6	3700	5000	13	60	61	89	88	92	0.8	0.8	0.33	1.8	0.99	
456/	453X	53.975	104.775	30.162	29.317	24.605	3.5	3.3	104	125	3500	4700	20	61	68	92	90	98	3.5	3.3	0.34	1.77	0.97	

## HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors		
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo
456/	453X	53.976	104.775	30.462	29.317	24.605	3.5	3.3	104	125	3500	4700	20	61	68	92	90	98	3.5	3.3	0.34	1.77	0.97
466/	453X	54.988	104.775	30.162	29.317	24.605	2.3	3.3	104	125	3500	4700	20	62	66	92	90	98	2.3	3.3	0.34	1.79	0.98
385/	382A	55	96.838	21	21.946	15.875	2.3	0.8	78.7	94.6	3800	5000	17	61	65	89	88	92	2.3	0.8	0.35	1.7	0.9
385X/	382A	55	96.838	21	21.946	15.875	3.5	0.8	78.7	94.6	3800	5000	17	61	67	89	88	92	3.5	0.8	0.35	1.7	0.9
389/	382A	55.575	96.838	21	21.946	15.875	2.3	0.8	78.7	94.6	3800	5000	17	61	65	89	88	92	2.3	0.8	0.35	1.7	0.9
387/	382A	57.15	96.838	21	21.946	15.875	2.3	0.8	78.7	94.6	3800	5000	17	65	67.5	89.5	87	91	2	0.6	0.35	1.7	0.9
387A/	382A	57.15	96.838	21	21.946	15.875	3.5	0.8	78.7	94.6	3800	5000	17	65	69.5	89.5	87	91	3	0.6	0.35	1.7	0.9
387AS/	382A	57.15	96.838	21	21.946	15.875	5	0.8	78.7	94.6	3800	5000	17	65	72.5	89.5	87	91	4	0.6	0.35	1.7	0.9
387S/	382A	57.15	96.838	21	21.946	15.875	0.8	0.8	78.7	94.6	3800	5000	17	62	63	89	88	92	0.8	0.8	0.35	1.7	0.9
387A/	382S	57.15	96.838	25.4	21.946	20.274	3.5	2.3	78.7	94.6	3800	5000	21	65	69.5	89.5	87	81	3	2	0.35	1.7	0.9
387/	382	57.15	98.425	21	21.946	17.826	2.3	0.8	78.7	94.6	3800	5000	17	65	67.5	91.5	87	92	2	0.6	0.35	1.7	0.9
387A/	382	57.15	98.425	21	21.946	17.826	3.5	0.8	78.7	94.6	3800	5000	17	65	69.5	91.5	87	92	3	0.6	0.35	1.7	0.9
387A/	383A	57.15	100	21	21.946	17.826	3.5	2	78.7	94.6	3800	5000	17	65	69.5	91.5	87	92	3	1.5	0.35	1.7	0.9
462/	453X	57.15	104.775	30.162	29.317	24.605	2.3	3.3	104	125	3500	4700	24	68	67.5	92.5	91	98	2	3	0.33	1.8	1
469/	453X	57.15	104.775	30.162	29.317	24.605	2.3	3.3	104	125	3500	4700	24	63	67	92	91	98	2.3	3.3	0.33	1.8	1
469/	453A	57.15	107.95	27.783	29.317	22.225	3.5	0.8	104	125	3500	4700	24	63	70	97	96	100	3.5	0.8	0.33	1.8	1
469/	454	57.15	110	27.795	29.317	27	3.5	2	104	125	3500	4700	24	63	70	96	95	100	3.5	2	0.33	1.8	1
3979/	3920	57.15	112.712	30.162	30.048	23.812	3.5	3.3	118	150	3200	4300	25	66	72	99	97	106	3.5	3.3	0.4	1.5	5.8
388A/	382A	57.531	96.838	21	221.946	15.875	3.5	0.8	78.7	94.6	3800	5000	18	63	69	89.5	87	91	3.5	0.8	0.35	1.7	0.9
3977/	3920	60	112.712	30.162	30.048	23.812	3.5	3.3	118	150	3200	4300	25	68	74	99	97	106	3.5	3.3	0.4	1.5	0.8
3980/	3920	60.325	112.712	30.162	30.048	23.812	3.5	3.3	118	150	3200	4300	25	68	75	99	97	106	3.5	3.3	0.4	1.5	0.8
HM212044/	HM212011	60.325	122.238	38.1	38.354	29.718	8	3.3	180	246	3100	4100	27	70	85	108	106	116	8	3.3	0.4	1.5	0.8
3982/	3920	63.5	112.712	30.162	30.048	23.812	3.5	3.3	118	150	3200	4300	25	75	76.5	100	96	105	3	3	0.4	1.5	0.8
HM212046/	HM212011	63.5	122.238	38.1	38.354	29.718	3.5	3.3	180	246	3000	4000	27	73	80	108	105	116	3.5	3.3	0.34	1.8	0.98
HM212047/	HM212010	63.5	122.238	38.1	38.354	29.718	7	1.5	180	246	3000	4000	27	73	87	110	98	116	7	1	0.34	1.8	0.98

## HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)							Constant axial load factors		
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo
HM212047/	HM212011	63.5	122.238	38.1	38.354	29.718	7	3.3	180	246	3000	4000	27	73	87	108	105	116	7	2.3	0.34	1.8	0.98
3984/	3921XA	66.675	109.985	29.75	30.048	23.812	3.5	0.5	118	150	3200	4300	25	74	80	100	99	105	3	0.5	0.4	1.49	0.82
3984/	3920	66.675	112.712	30.162	30.048	23.812	3.5	3.3	118	150	3200	4300	25	75	79.5	100	96	105	3	3	0.4	1.5	0.8
3984/	3925	66.675	112.712	30.162	30.048	23.812	3.5	0.8	118	150	3200	4300	25	75	79.5	100	96	105	3	0.6	0.4	1.5	0.8
3994/	3920	66.675	112.712	30.162	30.048	23.812	5.5	3.3	118	150	3200	4300	25	74	84	99	96	106	5.5	3.3	0.4	1.5	0.8
3984/	3926	66.675	112.712	33.338	30.048	26.988	3.5	3.3	118	150	3200	4300	25	74	80	98	97	106	3	3	0.4	1.49	0.82
F-786510		66.675	122.238	38.1	38.354	29.718	3.5	3.3	180	246	3000	4000	27	74	81	108	106	116	3	3	0.34	1.8	0.98
HM212049	HM212011	66.675	122.238	38.1	38.354	29.718	3.5	3.3	180	246	3000	4000	27	75	82	108	106	116	3.5	3.3	0.34	1.8	0.98
HM212049X	HM212011	66.675	122.238	38.1	38.354	29.718	7	3.3	180	246	3000	4000	27	75	89	108	106	116	7	3.3	0.34	1.8	0.98
655/	653	69.85	146.05	41.275	41.275	31.75	3.5	3.3	210	297	2200	3200	32	82	88	131	129	139	3.5	3.3	0.33	1.8	1
576/	572	73.025	139.992	36.512	36.098	28.575	3.5	3.3	210	298	2200	3200	31	83	81.5	127	120	131	3.5	3.3	0.4	1.5	0.8
657/	653	73.025	146.05	41.275	41.275	31.75	3.5	3.3	210	297	2200	3200	32	85	91	131	129	139	3.5	3.3	0.33	1.8	1
577/	572	74.612	139.992	36.512	36.098	28.575	3.5	3.3	182	268	2400	3400	31	85	91	125	124	133	3.5	3.3	0.4	1.5	0.8
575/	572	76.2	139.992	36.512	36.098	28.575	3.5	3.3	182	268	2400	3400	31	94	89.5	127	120	131	3	3	0.4	1.5	0.8
575S/	572	76.2	139.992	36.512	36.098	28.575	6.8	3.3	182	268	2400	3400	31	86	99	125	123	133	6.8	3.3	0.4	1.5	0.8
659/	653	76.2	146.05	41.275	41.275	31.75	3.5	3.3	210	297	2200	3200	33	90	89.5	129	118	131	3	3	0.4	1.5	0.8
590A/	592A	76.2	152.4	39.688	36.322	30.162	3.5	3.3	189	294	2200	3200	37	89	95	135	132	144	3.5	3.3	0.4	1.5	0.8
661/	653	79.375	146.05	41.275	41.275	31.75	3.5	3.3	210	297	2200	3200	33	90	96	131	129	139	3.5	3.3	0.41	1.47	0.81
HM218238	HM218210	79.974	146.975	40	40	32.5	7	3.5	227	340	2400	3200	32	91	124	133	130	141	7	3.5	0.33	1.8	0.99
581/	572	80.962	139.992	36.512	36.098	28.575	3.5	3.3	182	268	2400	3400	31	90	96	125	124	133	3.3	3.3	0.4	1.5	0.8
580/	572	82.55	139.992	36.512	36.098	28.575	3.5	3.3	182	268	2400	3400	31	94	96	127	120	131	3	3	0.4	1.5	0.8
582/	572	82.55	139.992	36.512	36.098	28.575	6.8	3.3	182	268	2400	3400	31	94	102	127	120	131	6	3	0.4	1.5	0.8
663/	653	82.55	146.05	41.275	46.672	36.512	3.5	3.3	210	297	2200	3200	32	95	96	137	130	142	3	3	0.33	1.8	1
595/	592A	82.55	152.4	39.688	36.322	30.162	3.5	3.3	189	294	2000	3000	37	93	100	135	130	144	3.5	3.3	0.44	1.36	0.75
595/	592A	82.55	152.4	39.688	36.322	30.162	3.5	3.3	189	294	2000	3000	37	93	100	135	130	144	3.5	3.3	0.44	1.36	0.75
663/	652	82.55	152.4	41.275	41.275	31.75	3.5	3.3	210	297	2200	3200	32	96	96	139.5	125	138	3	3	0.4	1.5	0.8

**HRB Bearing Catalogue - Tapered Roller Bearings - Inch Single Row Type**

Bearing numbers		Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Abutment and fillet dimensions (mm)						Constant axial load factors			
Internal components	Outer ring	d	D	T	B	C	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	a	da <sub>max</sub>	db <sub>max</sub>	Da <sub>max</sub>	Da <sub>min</sub>	Db <sub>min</sub>	ra <sub>max</sub>	rb <sub>max</sub>	e	Y	Yo
663/	652	82.55	152.4	41.275	41.275	31.75	3.5	3.3	210	297	2200	32000	32	96	96	139.5	125	138	3	3	0.4	1.5	0.8
599X/	593X	85	150	35.992	36.322	27	3	3	189	294	2000	3000	32	97	101	130	128	134	3	3	0.44	1.35	0.8
665/	653	85.725	146.05	41.275	41.275	31.75	3.5	3.3	210	297	2200	3200	33	96	99	133	125	138	3	3	0.4	1.5	0.8
665A/	653	85.725	146.05	41.275	41.275	31.75	6.4	3.3	210	297	2200	3200	33	95	107	131	123	139	6	3	0.4	1.5	0.8
596/	592A	85.725	152.4	39.688	36.322	30.162	3.5	3.3	189	294	2000	3000	37	96	102	135	130	144	3.5	3.3	0.44	1.35	0.8
593/	592A	88.9	152.4	39.688	36.322	30.162	3.5	3.3	189	294	2000	3000	37	104	102.5	139	128	141	3	3	0.44	1.35	0.8
592A/	592A	88.9	152.4	39.688	36.322	30.162	6.4	3.3	189	294	2000	3000	37	98	110	135	124	144	6	3	0.44	1.35	0.8
HM518445/	HM518410	88.9	152.4	39.688	39.688	30.162	6.4	3.3	240	340	2000	3000	33	102	108.5	139	135	146	6	3	0.44	1.5	0.8
F-786117		89.974	146.975	40	40	32.5	7	3.5	219	345	2200	3200	31	101	110.5	133.5	130	140	6	3	0.33	1.8	1
HM218248	HM218210	89.974	146.975	40	40	32.5	7	3.5	219	345	2200	3200	31	101	110.5	133.5	130	140	6	3	0.33	1.8	1
598/	592A	92.075	152.4	39.688	36.322	30.162	3.5	3.3	189	294	2000	3000	37	104	106	139	128	141	3	3	0.44	1.35	0.8
598A/	592A	92.075	152.4	39.688	36.322	30.162	6.4	3.3	189	294	2000	3000	37	104	111.5	139	128	141	6	3	0.44	1.35	0.8
778/	772	92.075	180.975	47.625	48.006	38.1	3.5	3.3	259	368	1800	2600	39	105	111	161	150	168	3.5	3.3	0.39	1.56	0.86
597/	593X	93.662	150	35.992	36.322	27	3.5	3	189	294	2000	3000	37	105	107	136	128	141	3	3	0.44	1.35	0.8
594A/	592XS	95.25	147.638	35.717	36.322	26.192	5	3.3	189	294	2000	3000	33	104	113	133	124	142	5	3.3	0.4	1.5	0.8
594/	592A	95.25	152.4	39.688	36.322	30.162	3.5	3.3	189	294	2000	3000	37	104	109	139	128	141	3	3	0.44	1.35	0.8
F-502285		99.975	156.975	42	42	34	8	3.5	250	379	2000	3000	32	111	122.5	143.5	140	151	7	3	0.33	1.8	1
HM220149/	HM220110	99.975	156.975	42	42	34	8	3.5	250	379	2000	3000	32	111	122.5	143.5	140	151	7	3	0.33	1.8	1
780/	772	101.6	180.975	47.625	48.006	38.1	3.5	3.3	259	368	2000	2700	39	113	119	161	155	168	3.5	3	0.4	1.5	0.8

## HRB Bearing Catalogue - Tapered Roller Bearings - Double Row Type

Bearing numbers	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)					Constant axial load factors				Weight (kg)
	d	D	B1	C1	b1	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>max</sub>	Da <sub>min</sub>	Ca <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y1	Y2	Yo	
350305B	25	62	42	31.5	8	1.5	0.6	66.5	100	4600	5600	32	59	5.5	1.5	0.6	0.83	0.8	1.2	0.8	----
350306B	30	72	47	33.5	9	1.5	0.6	85	125	4000	5000	37	68	7	1.5	0.6	0.83	0.8	1.2	0.8	----
350307B	35	80	51	35.5	9	2	0.6	108	160	3600	4500	44	76	8	2	0.6	0.83	0.8	1.2	0.8	----
352208	40	80	55	43.5	9	1.5	0.6	128	188	3800	4500	47	75	6	1.5	0.6	0.37	1.8	2.7	1.8	1.18
350308B	40	90	56	39.5	10	2	0.6	132	170	3200	4000	49	87	8.5	2	0.6	0.83	0.8	1.2	0.8	1.56
97210	50	90	49	39	9	1.8	0.9	125	184	3400	4500	49	87	6	1.8	0.9	0.42	1.61	2.39	1.57	1.24
352210	50	90	55	43.5	9	1.5	0.6	145	218	3200	3800	57	86	6	1.5	0.6	0.42	1.6	2.4	1.6	1.36
350310B	50	110	64	43.5	10	2.5	0.6	175	260	2700	3400	60	105	10.5	2.1	0.6	0.83	0.8	1.2	0.8	2.65
3187111	55	90	54	21	--	0.5	1.5	165	310	330	4400	--	--	--	--	--	0.31	2.16	3.22	2.12	1.73
352211	55	100	60	48.5	10	2	0.6	175	270	2800	3400	64	96	6	2	0.6	0.4	1.7	2.5	1.6	1.85
350311B	55	120	70	49	12	2.5	0.6	208	305	2400	3000	65	114	10.5	2.1	0.6	0.83	0.8	1.2	0.8	3.92
352212	60	110	66	54.5	10	2	0.6	215	330	2600	3200	69	105	6	2	0.6	0.4	1.7	2.5	1.6	----
350312B	60	130	74	51	12	3	1	235	350	2300	2800	72	124	11.5	2.5	1	0.83	0.8	1.2	0.8	----
352213	65	120	73	61.5	11	2	0.6	260	410	2200	3000	74	115	6	2	0.6	0.4	1.7	2.5	1.6	2.49
350313B	65	140	79	53	13	3	1	268	410	2000	2600	77	134	13	2.5	1	0.83	0.8	1.2	0.8	5.16
352214	70	125	74	61.5	12	2	0.6	272	440	2200	2800	79	120	6.5	2	0.6	0.42	1.6	2.4	1.6	3.56
350314B	70	150	83	67	13	3	1	302	460	1900	2400	82	143	13	2.5	1	0.83	0.8	1.2	0.8	6.23
352215	75	130	74	61.5	12	2	0.6	275	445	2000	2600	84	126	6.5	2	0.6	0.44	1.6	2.3	1.5	3.68
350315B	75	160	88	60	14	3	1	338	510	1700	2200	87	153	14	2.5	1	0.83	0.8	1.2	0.8	----
187216	80	140	56.75	22	--	0.7	2	228	356	2100	2800	---	---	---	---	---	0.42	1.61	2.39	1.57	3.28
352216	80	140	78	63.5	12	2.5	0.6	320	530	1900	2400	90	135	7.5	2.1	0.6	0.42	1.6	2.4	1.6	4.85
350316B	80	170	94	63	16	3	1	370	590	1600	2200	92	161	15.5	2.5	1	0.83	0.8	1.2	0.8	----
352217	85	150	86	69	14	2.5	0.6	368	600	1700	2200	95	143	8.5	2.1	0.6	0.42	1.6	2.4	1.6	5.85
350317B	85	180	99	66	17	4	1	408	660	1400	2200	99	171	16.5	3	1	0.83	0.8	1.2	0.8	----

## HRB Bearing Catalogue - Tapered Roller Bearings - Double Row Type

Bearing numbers	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)					Constant axial load factors				Weight (kg)
	d	D	B1	C1	b1	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>max</sub>	Da <sub>min</sub>	Ca <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y1	Y2	Yo	
352218	90	160	94	77	14	2.5	0.6	440	720	1600	2200	100	153	8.5	2.1	0.6	0.42	1.6	2.4	1.6	7.35
350318B	90	190	103	70	17	4	1	455	738	1300	1900	104	181	16.5	3	1	0.83	0.8	1.2	0.8	----
352219	95	170	100	83	14	3	1	492	835	1400	2000	107	163	8.5	2.5	1	0.42	1.6	2.4	1.6	9.04
350319B	95	200	109	74	19	4	1	502	830	1300	1700	109	189	17.5	3	1	0.83	0.8	1.2	0.8	----
352220	100	180	107	87	15	3	1	555	925	1400	1900	112	172	10	2.5	1	0.42	1.6	2.4	1.6	10.7
35032B	100	215	124	81	22	4	1	602	1010	1100	1400	114	204	215	3	1	0.86	0.8	1.2	0.8	----
350620D1	105	190	125	100	--	3	1.3	575	1050	1500	2000	--	--	--	--	--	0.36	1.85	2.76	1.81	14.9
352221	105	190	115	95	15	3	1	618	1080	1300	1700	117	182	10	2.5	1	0.42	1.6	2.4	1.6	13.1
350321B	105	225	127	83	21	4	1	640	1008	110	1400	119	213	22	3	1	0.83	0.8	1.2	0.8	----
352122	110	180	95	76	11	2	0.6	422	840	1300	1700	120	173	10.5	2	0.6	0.25	2.7	4	2.6	10
352222	110	200	121	101	15	3	1	698	1210	1200	1600	122	192	10	2.5	1	0.42	1.6	2.1	1.6	15.5
350322B	110	240	137	87	23	4	1	752	1290	1000	1300	124	226	25	3	1	0.83	0.8	1.2	0.8	----
352124	120	200	110	90	14	2	0.6	550	1060	1100	1500	--	--	--	--	--	0.3	2.25	3.43	2.2	12.6
187224E	120	215	87	34	--	0.8	2.5	520	890	1400	1900	--	--	--	--	--	0.44	1.55	2.31	1.52	18.9
57524	120	215	132	106	16	2.5	0.9	775	1470	1400	1900	--	--	--	--	--	0.41	1.64	2.44	1.6	13.4
352224	120	215	132	109	16	3	1	775	1360	110	1400	132	206	11.5	2.5	1	0.44	1.6	2.3	1.5	19.6
35034B	120	260	148	96	24	4	1	862	1490	900	1200	134	246	26	3	1	0.83	0.8	1.2	0.8	----
352926	130	180	70	56	10	2	0.5	258	565	1400	1900	--	--	--	--	--	0.27	2.49	3.71	2.43	4.87
352026	130	200	95	75	11	2.5	0.7	440	870	1300	1800	--	--	--	--	--	0.35	1.94	2.88	1.89	9.72
1-7006	130	210	64	57	6	2.5	0.6	325	575	1300	1700	--	--	--	--	--	0.32	2.08	3.1	2.04	8.06
352126	130	210	110	90	14	2	0.6	550	1070	1300	1700	--	--	--	--	--	0.32	2.13	3.17	2.08	13.9
97826U	130	214	115.6	98	19.6	2.3	0.7	550	1070	1300	1700	--	--	--	--	--	0.32	2.13	3.17	2.08	15.7
352226	130	230	145	117.5	17	4	1	895	1630	1000	1300	144	221	14	3	1	0.44	1.6	2.3	1.5	24.1
97526/EY	130	230	149	120	16	4	0.8	840	1700	1300	1700	--	--	--	--	--	0.26	2.55	3.8	2.5	25.6
197726	130	230	150	150	16	3	1	842	957	1200	---	141	203	12	2.5	1	0.26	2.6	3.8	2.5	30.2
350626D1	130	235	145	115	--	2.3	1.3	805	1560	1300	1700	--	--	--	--	--	0.39	1.74	2.59	1.7	24.7
350326B	130	380	156	100	24	5	1.1	968	1640	800	1100	147	263	28	4	1	0.83	0.8	1.2	0.8	----

## HRB Bearing Catalogue - Tapered Roller Bearings - Double Row Type

Bearing numbers	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)					Constant axial load factors				Weight (kg)	
	d	D	B1	C1	b1	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	Grease	Oil	da <sub>max</sub>	Da <sub>min</sub>	Ca <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y1	Y2	Yo		
352028	140	210	95	75	11	2.5	0.6	455	950	1200	1700	--	--	--	--	--	0.35	1.94	2.88	1.89	8.36	
352128	140	225	115	90	15	2.5	1	580	1180	1200	1700	--	--	--	--	--	0.34	2	2.98	1.96	15.5	
352228	140	250	153	125.5	17	4	1	1050	1840	850	1100	154	240	14	3	1	0.44	1.6	2.36	1.5	30.1	
187328	140	250	157	128	21	4	1	1040	2080	900	1300	--	--	--	--	--	0.83	0.818	1.22	0.8	50.3	
352228/YA	140	300	154	47	14	1.3	4	1099	1842	1200	1600	--	--	--	--	--	0.44	1.55	2.31	1.52	31.7	
350328B	140	300	168	108	28	5	1.1	1110	1940	700	1000	157	283	30	4	1	0.83	0.8	1.2	0.8	----	
32930/DF	150	210	76	30	--	0.5	2	415	920	1200	1500	--	--	--	--	--	0.33	2.06	3.06	2.01	7.99	
2057930	150	210	80	62	8	2.5	0.7	350	795	1200	1500	--	--	--	--	--	0.27	2.48	2.69	2.42	9.12	
352930	150	210	80	62	8	2.5	0.7	350	795	1200	1500	--	--	--	--	--	0.27	2.48	2.69	2.42	9.32	
97830	150	225	112	88	22	3	1	1000	1690	1200	1500	--	--	--	--	--	0.39	1.73	2.58	1.69	25.8	
352130	150	250	138	112	18	2.5	1	785	1560	1100	1500	--	--	--	--	--	0.25	2.74	4.08	2.68	37.3	
350630X2	150	270	109	87	19	4	1	647	678	1100	1500	--	--	--	--	--	0.44	1.55	2.31	1.52	24.5	
352230	150	270	164	130	18	4	1	1170	2140	800	1100	164	256	17	3	1	0.44	1.6	2.3	1.5	43.8	
352230/YA	150	270	169	138	23	4	1	1160	2330	1100	1500	--	--	--	--	--	0.44	1.55	2.31	1.52	39.4	
197730	150	270	170	170	--	3.5	1	1190	1350	1000	--	164	256	17	3	1	0.26	2.6	3.8	2.5	----	
350330B	150	320	178	114	28	5	1.1	1260	2250	670	950	167	302	32	4	1	0.83	0.8	1.2	0.8	----	
352932	160	220	82	65	10	2.5	0.7	375	860	1100	1500	--	--	--	--	--	0.27	2.51	3.74	2.45	8.15	
352032	160	240	115	90	19	3	0.9	680	1330	1100	1400	--	--	--	--	--	0.35	1.94	2.88	1.89	16.5	
352132X2/HA	160	270	140	120	10	2.5	1	970	1930	1000	1400	--	--	--	--	--	0.32	2.12	3.15	2.07	31.8	
352132X2/HAC9	160	270	140	120	10	2.5	1	970	1930	1000	1400	--	--	--	--	--	0.32	2.12	3.15	2.07	31.8	
350632X2D1	160	270	140	110	--	2.5	0.9	1560	2610	1000	1400	--	--	--	--	--	0.36	1.86	2.76	1.81	26.7	
352132	160	270	150	120	10	2.5	1	880	1720	1000	1400	--	--	--	--	--	0.36	1.86	2.76	1.81	28.3	
2097732Y	160	270	150	120	10	2.5	1	880	1720	1000	1400	--	--	--	--	--	0.36	1.86	2.76	1.81	28.3	
352232	160	290	180	140	20	3	1.1	1200	2420	920	1200	--	--	--	--	--	0.4	1.7	2.53	1.66	46.2	
352232	160	290	178	144	18	4	1	1390	2840	700	1000	174	276	17	3	1	0.44	1.6	2.3	1.5	46.9	
350633	165	290	150	125	10	3	1.3	1100	2300	920	1200	--	--	--	--	--	0.31	2.2	3.27	2.15	41.1	
352934X2	170	230	82	65	10	2.5	0.7	380	890	1000	1400	--	--	--	--	--	0.28	2.39	3.56	2.34	8.11	
87834	170	230	65	27	--	0.7	2	410	945	1000	1400	--	--	--	--	--	0.29	2.36	3.51	2.31	6.79	
352034X2	170	260	120	95	12	3	0.9	685	1550	1000	1300	--	--	--	--	--	0.31	2.18	3.24	2.13	20.4	
2057134	170	260	120	95	12	3	0.9	685	1550	1000	1300	--	--	--	--	--	0.31	2.18	3.24	2.13	20	
352134	170	280	150	120	18	2.5	1	975	2000	950	1300	--	--	--	--	--	0.38	1.78	2.65	1.74	35.6	



## HRB Bearing Catalogue - Tapered Roller Bearings - Double Row Type

Bearing numbers	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)					Constant axial load factors				Weight (kg)
	d	D	B1	C1	b1	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>max</sub>	Da <sub>min</sub>	Ca <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y1	Y2	Yo	
352234	170	310	192	152	20	5	1.1	1580	3200	750	950	188	296	20	4	1	0.44	1.6	2.3	1.5	58.2
352936	180	250	95	74	11	2.5	0.7	460	1060	1000	1300	--	--	--	--	--	0.37	1.84	2.74	1.8	13
352036	180	280	134	108	14	3	0.9	855	1810	940	1300	--	--	--	--	--	0.28	2.43	3.61	2.37	28.5
350636D1	180	285	108	79.4	--	2.5	2.3	665	1190	940	1300	--	--	--	--	--	0.35	1.95	2.9	1.91	23.2
352136X2	180	300	164	134	20	3	1	10901	2350	890	1200	--	--	--	--	--	0.26	2.46	3.93	2.58	39.9
352236	180	320	192	152	20	5	1.1	1620	3350	670	850	198	306	20	4	1	0.45	1.5	2.2	1.5	63.8
350636	180	340	180	140	14	5	1.1	1550	2860	840	1100	--	--	--	--	--	0.35	1.96	2.91	1.91	71.9
352938X2	190	260	85	75	11	2.5	0.7	550	1450	940	1300	--	--	--	--	--	0.38	1.76	2.62	1.72	13.3
32538X2	190	260	95	75	11	2.5	0.6	550	1450	940	1300	--	--	--	--	--	0.38	1.76	2.62	1.72	14.4
352038	190	290	134	104	14	3	0.9	845	1860	890	1200	--	--	--	--	--	0.37	1.83	2.72	1.79	28.8
352138	190	320	170	130	14	3	1	1200	2400	840	1100	--	--	--	--	--	0.31	2.15	3.2	2.1	52
352940X2	200	280	110	85	14	3	0.9	610	1530	900	1200	--	--	--	--	--	0.39	1.72	2.56	1.68	18.1
352040X2-1	200	310	151	118	19	3	1	905	2080	840	1100						0.39	1.72	2.56	1.68	38.9
352040X2	200	310	151	120	19	3	1	905	2080	840	1100						0.39	1.72	2.56	1.68	38.3
352140	200	340	184	150	20	3	1	1650	3400	800	1100						0.25	2.74	4.08	2.68	63.8
352241	200	360	218	98	--	5	1.1	2140	4350	800	1100						0.41	1.66	2.47	1.62	93.3
356041D1	205	320	150	110	--	3.7	1.3	730	1610	940	1100						0.39	1.72	2.56	1.68	40.2
352944	220	300	110	88	14	3	0.8	640	1720	810	1100						0.31	2.18	3.24	2.13	21.2
352044	220	340	165	130	21	4	1.1	1250	2730	760	1100						0.35	1.95	2.9	1.91	47.7
352144	220	370	195	150	19	4	1.3	1530	3200	760	1100						0.37	1.83	2.72	1.79	86.5
350645D1	225	360	146.5	111	--	3	1.1	1160	2290	760	1000						0.36	1.87	2.79	1.83	48.2
350646D1	230	355	145	110	--	6	2.3	1070	2310	760	1000						0.36	1.87	2.79	1.83	----
352948X2	240	320	105	82	9	3	0.9	605	1590	760	1000						0.32	2.12	3.15	2.07	22.3
352948	240	320	110	87	14	3	0.9	605	1590	760	1000						0.32	2.12	3.15	2.07	23
2097948K1	240	320	110	87	14	3	1.1	605	1590	760	1000						0.32	2.12	3.15	2.07	23.2
352048	240	360	165	130	21	4	1.1	1330	2890	690	920						0.31	2.15	3.2	2.1	52.8
352148	240	400	210	163	20	3.7	1.3	1870	4050	630	840						0.31	2.18	3.24	2.13	98.1

## HRB Bearing Catalogue - Tapered Roller Bearings - Double Row Type

Bearing numbers	Boundary dimensions (mm)							Basic load ratings (mm)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)					Constant axial load factors				Weight (kg)
	d	D	B1	C1	b1	r <sub>min</sub>	r1 <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>max</sub>	Da <sub>min</sub>	Ca <sub>min</sub>	ra <sub>max</sub>	r1a <sub>max</sub>	e	Y1	Y2	Yo	
2097952K	260	360	134	108	14	3	0.9	915	2500	670	900						0.3	2.23	3.32	2.18	39.7
352952	260	360	134	108	14	3	0.9	915	2500	670	900						0.3	2.23	3.32	2.18	39.9
352652D1	260	400	150	100	--	4.7	1.1	1280	2630	630	840						0.35	1.95	2.99	1.91	60.3
352052X2	260	400	186	146	22	5	1.3	1590	3750	630	840						0.29	2.31	3.45	2.26	79.3
352956	280	380	134	108	14	3	0.9	935	2650	620	820						0.32	2.1	3.13	2.05	44

## HRB Bearing Catalogue - Tapered Roller Bearings - Four-row Type

Bearing numbers	Boundary dimensions (mm)						Basic load ratings (mm)		Weight (kg)
	d	D	B	T	r <sub>min</sub>	r <sub>1min</sub>	Cr	Cor	
48680dw/48620/48620D	139.7	200.25	157.162	160.338	1.1	1.8	535	1870	16.2
352930	150	210	165	165	0.7	2.3	600	1590	21.2
381030X2	150	225	136	136	3	2.5	540	1460	17.7
382034	170	260	230	230	3	2.5	940	3100	43
381036X2	180	280	180	180	3	2.5	835	2540	39.6
381040X2	200	310	200	200	3	2.5	1970	1520	55.6
382040	200	310	275	275	3	2.5	1230	4200	75.1
381041X2	205	320	205	205	4	3	1060	2850	55.4
382048	240	360	310	310	4	3	3300	2210	90.5
382952/HC	260	360	265	265	3	2.5	1730	5050	77.8
381052X2	260	400	255	255	3.7	2.5	1480	4950	117
77752G	260	400	255	255	5	4	1910	4900	117
382052	260	400	345	345	5	4	2850	7700	161
777752	260	440	300	300	2	5	2670	5850	182