

HRB Bearings Catalogue - Angular Contact Ball Bearings - Single Row Type

Bearing numbers				Boundary dimensions (mm)					Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Basic load ratings (duplex)(mm)		Limiting speeds (duplex) (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)	
																								single
7000C	/DB	/DF	/DT	10	26	8	0.3	0.15	5	2.21	56000	75000	6	8.12	4.42	44000	59000	12	24	24.4	0.3	0.15	0.019	
7000AC	/DB	/DF	/DT	10	26	8	0.3	0.15	4.72	2.14	50000	67000	8	7.67	5.28	39000	53000	12	24	24.4	0.3	0.15	0.019	
7200C	/DB	/DF	/DT	10	30	9	0.6	0.15	5.49	2.64	48000	63000	7	8.92	5.28	38000	50000	15	25	28	0.6	0.15	0.031	
7200AC	/DB	/DF	/DT	10	30	9	0.6	0.15	5.23	2.54	43000	56000	9	8.5	5.08	34000	4400	15	25	28	0.6	0.15	0.031	
7200BTN	/DB	/DF	/DT	10	30	9	0.6	0.3	7.02	3.35	19000	28000	13	11.4	6.7	15000	22000	15	25		0.6		0.033	
7300C	/DB	/DF	/DT	10	35	11	0.6	0.3	8.95	5.25	42000	56000	8.5	14.5	10.5	33000	44000	15	30	32.5	0.6	0.3	0.049	
7300AC	/DB	/DF	/DT	10	35	11	0.6	0.3	8.56	4.93	39000	52000	11	13.9	9.86	31000	41000	15	30	32.5	0.6	0.3	0.049	
7300BTN	/DB	/DF	/DT	10	35	11	0.6	0.3	7.83	4.4	18000	24000	15	12.7	8.8	14000	19000	15	30		0.6		0.052	
7001C	/DB	/DF	/DT	12	28	8	0.3	0.15	5.49	2.64	48000	63000	7	8.91	5.28	38000	50000	14	26	26.4	0.3	0.15	0.02	
7001AC	/DB	/DF	/DT	12	28	8	0.3	0.15	5.23	2.54	45000	60000	9	8.5	5.08	35000	47000	14	26	26.4	0.3	0.15	0.02	
7201C	/DB	/DF	/DT	12	32	10	0.6	0.3	7.28	3.42	45000	60000	8	11.8	6.84	35000	47000	17	27	30	0.6	0.3	0.035	
7201AC	/DB	/DF	/DT	12	32	10	0.6	0.3	7.02	3.31	40000	53000	10	11.4	6.62	32000	42000	17	27	30	0.6	0.3	0.035	
7210BTN	/DB	/DF	/DT	12	32	10	0.6	0.3	7.61	3.8	17000	24000	14	12.4	7.6	13000	19000	17	27		0.6		0.039	
7301C	/DB	/DF	/DT	12	37	12	1	0.6	11.3	6.58	38000	51000	9	18.4	13.2	30000	40000	18	31	32	1	0.6	0.068	
7301AC	/DB	/DF	/DT	12	37	12	1	0.6	10.8	6.17	36000	48000	12	17.5	12.3	28000	38000	18	31	32	1	0.6	0.068	
7301BTN	/DB	/DF	/DT	12	37	12	1	0.6	10.6	5	17000	22000	16	17.2	10	13000	17000	18	31		1		0.073	
7002C	/DB	/DF	/DT	15	32	9	0.3	0.15	6.25	3.39	43000	56000	8	10.2	6.78	34000	44000	17	30	30.4	0.3	0.15	0.03	
7002AC	/DB	/DF	/DT	15	32	9	0.3	0.15	5.99	3.24	38000	50000	10	9.73	6.48	30000	39000	17	30	30.4	0.3	0.15	0.03	
7202C	/DB	/DF	/DT	15	35	11	0.6	0.15	8.03	4.11	38000	50000	9	13	8	30000	39000	20	30	33	0.6	0.15	0.043	
7202AC	/DB	/DF	/DT	15	35	11	0.6	0.15	7.77	4.03	34000	45000	12	12.6	8.06	27000	35000	20	30	33	0.6	0.15	0.043	
7202BTN	/DB	/DF	/DT	15	35	11	0.6	0.15	7.93	4.29	16000	22000	16	12.9	8.58	13000	17000	20	30		0.6		0.043	
7302C	/DB	/DF	/DT	15	42	13	1	0.6	13.9	7.34	33000	44000	10	22.6	14.7	26000	35000	21	36	37	1.3	0.6	0.083	
7302AC	/DB	/DF	/DT	15	42	13	1	0.6	13.3	6.89	31000	41000	13	21.6	13.7	24000	32000	21	36	37	1	0.6	0.083	
7302BTN	/DB	/DF	/DT	15	42	13	1	0.6	13	6.7	14000	19000	18.5	21.1	13.4	11000	15000	21	36		1		0.087	
7003C	/DB	/DF	/DT	17	35	10	0.3	0.15	7.27	4	38000	50000	9	11.8	8	30000	39000	19	33	33.4	0.3	0.15	0.038	
7003AC	/DB	/DF	/DT	17	35	10	0.3	0.15	6.89	3.82	34000	45000	11	11.2	7.64	27000	35000	19	33	33.4	0.3	0.15	0.038	
7203C	/DB	/DF	/DT	17	40	12	0.6	0.3	10.5	5.64	34000	45000	10	17.7	11.7	26000	34500	22	35	38	0.6	0.3	0.064	
7203AC	/DB	/DF	/DT	17	40	12	0.6	0.3	10.5	5.64	30000	40000	13	17.1	11.3	24000	32000	22	35	38	0.6	0.3	0.064	
7203BTN	/DB	/DF	/DT	17	40	12	0.6	0.3	9.93	6.1	14000	19000	18	16.1	12.2	10000	15000	22	35		0.6		0.059	
7303C	/DB	/DF	/DT	17	47	14	1	0.6	15.7	8.3	29000	39000	11	25.5	16.6	23000	31000	23	41	42	1	0.6	0.111	
7303AC	/DB	/DF	/DT	17	47	14	1	0.6	15.3	8.05	28000	37000	14.5	24.9	16.1	22000	29000	23	41	42	1	0.6	0.111	
7302BTN	/DB	/DF	/DT	17	47	14	1	0.6	13.8	7.22	12000	17000	20	22.4	14.4	9400	13000	23	41		1		0.114	

HRB Bearings Catalogue - Angular Contact Ball Bearings - Single Row Type

Bearing numbers				Boundary dimensions (mm)					Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Basic load ratings (duplex)(mm)		Limiting speeds (duplex) (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)
7004C	/DB	/DF	/DT	20	42	12	0.6	0.3	10.5	6.02	32000	43000	10	17.1	12	25000	34000	25	37	39.5	0.6	0.3	0.067
7004AC	/DB	/DF	/DT	20	42	12	0.6	0.3	9.95	5.74	28000	38000	13	16.2	11.5	22000	29000	25	37	39.5	0.6	0.3	0.067
7204C	/DB	/DF	/DT	20	47	14	1	0.6	14.7	8.19	28000	38000	12	23.9	16.4	22000	29000	26	41	42	1	0.3	0.101
7204AC	/DB	/DF	/DT	20	47	14	1	0.6	14	7.84	24000	34000	15	22.7	15.7	19000	27000	26	41	42	1	0.3	0.101
7204BTN	/DB	/DF	/DT	20	47	14	1	0.6	13.3	7.63	11000	16000	21	21.6	15.3	9000	13000	26	41		1		0.107
7304C	/DB	/DF	/DT	20	52	15	1.1	0.6	18.6	9.95	28000	37000	12.5	30.2	19.9	22000	29000	27	45	47	1	0.6	0.143
7304AC	/DB	/DF	/DT	20	52	15	1.1	0.6	17.9	9.62	25000	33000	16.5	29.1	19.2	19000	26000	27	45	47	1	0.6	0.143
7304BTN	/DB	/DF	/DT	20	52	15	1.1	0.6	17.3	9.67	10000	15000	23.5	28.1	19.3	8500	12000	27	45		1		0.148
7005C	/DB	/DF	/DT	25	47	12	0.6	0.3	11.7	7.44	26000	36000	11	19	14.9	20000	28000	30	42	44.5	0.6	0.3	0.078
7005AC	/DB	/DF	/DT	25	47	12	0.6	0.3	11.1	7.08	22000	32000	15	18	14.2	17000	25000	30	42	44.5	0.6	0.3	0.078
7205C	/DB	/DF	/DT	25	52	15	1	0.6	16.6	10.3	24000	34000	13	27	20.6	18000	26000	31	46	47	1	0.5	0.127
7205AC	/DB	/DF	/DT	25	52	15	1	0.6	15.9	9.8	20000	30000	17	25.8	19.6	15000	23000	31	46	47	1	0.5	0.127
7205BTN	/DB	/DF	/DT	25	52	15	1	0.6	14.8	9.39	9500	14000	23.5	24	18.8	8000	11000	31	46		1		0.134
7305C	/DB	/DF	/DT	25	62	17	1.1	0.6	28	16.1	22000	29000	14	45.5	32.2	17000	22000	32	55	57	1	0.6	0.227
7305AC	/DB	/DF	/DT	25	62	17	1.1	0.6	27	15.6	20000	27000	18.5	43.9	31.2	15000	21000	32	55	57	1	0.6	0.227
7305BTN	/DB	/DF	/DT	25	62	17	1.1	0.6	24.3	14.1	8500	12000	27	39.5	28.2	7500	10000	32	55		1		0.236
7006C	/DB	/DF	/DT	30	55	13	1	0.3	15.2	10.3	20000	30000	12	24.7	20.6	15000	23000	36	49	50	1	0.3	0.113
7006AC	/DB	/DF	/DT	30	55	13	1	0.3	14.3	9.84	19000	28000	17	23.2	19.7	14000	22000	36	49	50	1	0.3	0.113
7206C	/DB	/DF	/DT	30	62	16	1	0.6	23	14.8	19000	28000	14	37.4	29.63	14000	22000	36	56	57	1	0.5	0.196
7206AC	/DB	/DF	/DT	30	62	16	1	0.6	22.1	14.1	17000	24000	19	35.9	28.2	13000	19000	36	56	57	1	0.5	0.196
7206BTN	/DB	/DF	/DT	30	62	16	1	0.6	20.5	13.5	8500	12000	27	33.3	27	7000	9500	36	56		1		0.201
7306C	/DB	/DF	/DT	30	72	19	1.1	0.6	32.2	20.2	18000	24500	16	52.3	40.4	14000	19000	37	65	67	1.1	0.6	0.349
7306AC	/DB	/DF	/DT	30	72	19	1.1	0.6	30.9	19.4	17000	23000	21	50.2	38.8	13000	18000	37	65	67	1.1	0.6	0.349
7306BTN	/DB	/DF	/DT	30	72	19	1.1	0.6	29.3	18.2	7500	10000	31	47.6	36.4	6300	8500	37	65		1.1		0.353
7007C	/DB	/DF	/DT	35	62	14	1	0.3	19.1	13.7	18000	26000	14	31	27.4	13500	20000	41	56	57	1	0.3	0.15
7007AC	/DB	/DF	/DT	35	62	14	1	0.3	18.2	13.1	17000	24000	19	29.6	26.2	13000	19000	41	56	57	1	0.3	0.15
7207C	/DB	/DF	/DT	35	72	17	1.1	0.6	30.3	20.1	17000	24000	16	49.2	40.2	12800	18000	42	65	67	1.1	0.6	0.278
7207AC	/DB	/DF	/DT	35	72	17	1.1	0.6	29.1	19.2	16000	22000	21	47.3	38.4	12600	17000	42	65	67	1.1	0.6	0.278
7207BTN	/DB	/DF	/DT	35	72	17	1.1	0.6	27.2	18.4	7500	10000	31	44.2	36.8	6000	8000	42	65		1.1		0.322
7307C	/DB	/DF	/DT	35	80	21	1.5	1	40.4	25.9	16500	22000	18	65.6	51.8	13000	17000	44	71	74	1.5	0.8	0.449
7307AC	/DB	/DF	/DT	35	80	21	1.5	1	38.9	24.9	16000	24000	24	63.2	49.8	12300	16500	44	71	74	1.5	0.8	0.449

HRB Bearings Catalogue - Angular Contact Ball Bearings - Single Row Type

Bearing numbers				Boundary dimensions (mm)					Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Basic load ratings (duplex)(mm)		Limiting speeds (duplex) (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)
7307BTN	/DB	/DF	/DT	35	80	21	1.5	1	38.4	24.4	7000	9500	34.5	62.4	48.8	5600	7500	44	71		1.5		0.47
7008C	/DB	/DF	/DT	40	62	12	1	0.3	19.8	15	17000	24000	15	32.2	30	13000	19000	46	62	63	1	0.3	0.186
7008AC	/DB	/DF	/DT	40	65	12	1	0.3	18.7	14.2	15000	20000	20	30.4	28.4	11800	15700	46	62	63	1	0.3	0.186
7208C	/DB	/DF	/DT	40	80	18	1.1	0.6	32	22.5	16000	22000	17	52	45	12000	17000	47	73	75	1.1	0.6	0.336
7208AC	/DB	/DF	/DT	40	80	18	1.1	0.6	30.6	21.5	14000	19000	23	49.7	4300	11000	15000	47	73	75	1.1	0.6	0.336
7208BTN	/DB	/DF	/DT	40	80	18	1.1	0.6	34.5	23.9	6700	9000	34	56	47.8	5300	7000	47	73		1.1		0.0372
7308C	/DB	/DF	/DT	40	90	23	4.5	0.6	52.4	35.4	14000	19000	20	85.1	70.8	11000	15000	49	81	84	1.5	0.6	0.641
7308AC	/DB	/DF	/DT	40	90	23	1.5	0.6	50.3	34	13500	18000	27	81.7	68	10000	14000	49	81	84	1.5	0.6	0.641
7308BTN	/DB	/DF	/DT	40	90	23	1.5	0.6	46.3	30.3	6300	8500	39	75.2	60.6	5000	6700	49	81		1.5		0.643
7009C	/DB	/DF	/DT	45	75	16	1	0.3	24.3	19.3	16000	22000	16	39.5	38.6	12600	17000	51	69	70	1	0.3	0.238
7009AC	/DB	/DF	/DT	45	75	16	1	0.3	23.1	18.3	14000	19000	22	37.5	36.6	11000	15000	51	69	70	1	0.3	0.238
7209C	/DB	/DF	/DT	45	85	19	1.1	0	36.3	25.8	15000	20000	18	59	51.6	11500	15500	52	78	80	1	0.6	0.411
7209AC	/DB	/DF	/DT	45	85	19	1.1	0.6	34.6	24.7	12000	17000	25	56.2	49.4	9400	13400	52	78	80	1	0.6	0.411
7209BTN	/DB	/DF	/DT	45	85	19	1.1	0.6	36	26.3	6300	8500	37	58.5	52.6	5000	6700	52	78		1		0.402
7309C	/DB	/DF	/DT	45	100	25	1.5	0.6	62.8	43.3	13000	17000	22	102	86.6	10000	13400	54	91	94	1.5	0.6	0.857
7309AC	/DB	/DF	/DT	45	100	25	1.5	0.6	60.3	42.1	12000	16000	29	98	84.2	9400	12600	54	91	94	1.5	0.6	0.857
7309BTN	/DB	/DF	/DT	45	100	25	1.5	0.6	55	36.7	5600	7500	43	89.3	73.4	4500	6000	54	91		4.5		0.882
7010C	/DB	/DF	/DT	50	80	16	1	0.3	25	20.7	15000	20000	17	40.6	41.4	12000	16000	56	74	75	1	0.3	0.255
7010AC	/DB	/DF	/DT	50	80	16	1	0.3	23.7	19.7	12000	17000	23	38.5	39.4	9500	14000	56	74	75	1	0.3	0.255
7210C	/DB	/DF	/DT	50	90	20	1.1	0.6	42.4	31.7	13000	18000	20	68.9	63.4	10000	14000	57	83	85	1	0.6	0.46
7210AC	/DB	/DF	/DT	50	90	20	1.1	0.6	40.8	30.3	11000	16000	27	66.3	60.6	8700	13000	57	83	85	1	0.6	0.46
7210BTN	/DB	/DF	/DT	50	90	20	1.1	0.6	37.4	28.2	5600	7500	39.5	60.8	56.4	4500	6000	57	83		1		0.475
7310C	/DB	/DF	/DT	50	110	27	2	1	73.8	52.2	11700	15600	24	120	104	9200	12200	60	100	104	2	1	1.11
7310AC	/DB	/DF	/DT	50	110	27	2	1	70.6	50	11000	14700	32	115	100	8700	11500	60	100	104.3	2	1	1.11
7310BTN	/DB	/DF	/DT	50	110	27	2	1	67.1	47.9	5000	6700	47	111	95.8	4000	5300	60	100		2		1.14
7011C	/DB	/DF	/DT	55	90	18	1.1	0.6	32.1	26.8	13000	18000	19	52.1	53.6	10000	14200	62	83	85	1	0.6	0.381
7011AC	/DB	/DF	/DT	55	90	18	1.1	0.6	30.3	25.7	11000	16000	26	49.2	51.4	8700	12600	62	83	85	1	0.6	0.381
7211C	/DB	/DF	/DT	55	100	21	1.5	0.6	52.9	39.9	11000	16000	21	85.9	79.8	8700	12600	64	91	94	1.5	0.6	0.607
7211AC	/DB	/DF	/DT	55	100	21	1.5	0.6	50.6	38.2	9500	14000	29	82.2	76.4	7500	11000	64	91	94	1.5	0.6	0.607
7211BTN	/DB	/DF	/DT	55	100	21	1.5	0.6	46.3	36.1	5300	7000	43	75.2	72.2	4300	5600	64	91		1.5		0.63
7311C	/DB	/DF	/DT	55	120	29	2	1	91.9	65.9	11000	14000	26	149	127	8600	11000	65	110	114	2	1	1.4

HRB Bearings Catalogue - Angular Contact Ball Bearings - Single Row Type

Bearing numbers				Boundary dimensions (mm)					Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Basic load ratings (duplex)(mm)		Limiting speeds (duplex) (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)
7311AC	/DB	/DF	/DT	55	120	29	2	1	91	63.4	10000	13500	35	148	127	7900	10500	65	110	114	2	1	1.4
7311BTN	/DB	/DF	/DT	55	120	29	2	1	78.8	56.3	4500	6000	51	128	113	3600	4800	65	110		2		1.44
7012C	/DB	/DF	/DT	60	95	18	1.1	0.6	36.3	31	11000	16000	20	59	62	8700	13000	67	88	90	1	0.6	0.4
7012AC	/DB	/DF	/DT	60	95	18	1.1	1.6	34.7	29.5	9500	14000	27	56.4	5900	7400	11000	67	88	90	1	0.6	0.4
7212C	/DB	/DF	/DT	60	110	22	1.5	0.6	58.2	45.1	10000	15000	23	94.5	90.2	7900	11800	69	101	104	1.5	0.6	0.792
7212AC	/DB	/DF	/DT	60	110	22	1.5	0.6	55.8	42.9	9000	13000	31	90.6	85.8	7400	10000	69	101	104	1.5	0.6	0.792
7212BTN	/DB	/DF	/DT	60	110	22	1.5	0.6	50	44.4	4800	6300	46.5	81.2	88.8	3800	5000	69	101		1.5		0.779
7312C	/DB	/DF	/DT	60	130	31	2.1	1.1	105	76.3	9700	13000	28	171	153	7600	1000	72	118	123	2	1	1.75
7312AC	/DB	/DF	/DT	60	130	31	2.1	1.1	101	76.4	9300	12400	37.5	164	147	7300	9800	72	118	123	2	1	1.75
7312BTN	/DB	/DF	/DT	60	130	31	2.1	1.1	90	65.5	4300	5600	55	146	131	3400	4500	65	110		2		1.8
7013C	/DB	/DF	/DT	65	100	18	1.1	0.6	40	35.4	10000	15000	20	65	70.8	7900	11800	72	93	96	1	0.5	0.425
7013AC	/DB	/DF	/DT	65	100	18	1.1	0.6	38	33.7	9500	14000	28	61.7	67.4	7500	11000	72	93	96	1	0.5	0.425
7213C	/DB	/DF	/DT	65	120	23	1.5	0.6	60.7	49.4	9500	14000	24	98.6	98.8	7500	11000	74	111	115	1.5	0.6	1.02
7213AC	/DB	/DF	/DT	65	120	23	1.5	0.6	57.5	47.1	8600	12000	33	93.4	94.2	6800	9500	74	111	115	1.5	0.6	1.02
7213BTN	/DB	/DF	/DT	65	120	23	1.5	0.6	63.7	52.6	4300	5600	50	103	105	3400	4500	74	111		1.5		1.04
7313C	/DB	/DF	/DT	65	140	33	2.1	1.1	119	87.9	9000	12000	30	193	176	7100	9400	77	128	133	2	1	2.16
7313AC	/DB	/DF	/DT	65	140	33	2.1	1.1	114	73.6	8400	11500	40.5	185	147	6600	9100	77	128	133	2	1	2.16
7313BTN	/DB	/DF	/DT	65	140	33	2.1	1.1	102	75.4	4000	5300	59.5	166	151	3200	4300	77	128		2		2.21
7014C	/DB	/DF	/DT	70	110	20	1.1	0.6	49.9	43.2	9500	14000	22	81.1	86.4	7500	11000	77	103	105	1	0.6	0.595
7014AC	/DB	/DF	/DT	70	110	20	1.1	0.6	45.8	41.1	8500	12000	31	74.4	82.2	6700	9400	77	103	105	1	0.6	0.595
7214C	/DB	/DF	/DT	70	125	24	1.5	0.6	66.6	51.7	9000	13000	25	108	109	7100	10000	79	116	119	1.5	0.6	1.1
7214AC	/DB	/DF	/DT	70	125	24	1.5	0.6	63.4	52.2	8000	10000	35	103	104	6400	8700	79	116	119	1.5	0.6	1.1
7214BTN	/DB	/DF	/DT	70	124	24	1.5	0.6	65.8	54.6	4300	5600	53	107	109	3200	4300	79	116		1.5		1.14
7314C	/DB	/DF	/DT	70	150	35	2.1	1.1	133	100	8200	11400	32	216	200	6400	8800	82	138	143	2	1	2.63
7314AC	/DB	/DF	/DT	70	150	35	2.1	1.1	128	96.3	7800	10700	43	208	193	6100	8400	82	138	143	2	1	2.63
7314BTN	/DB	/DF	/DT	70	150	35	2.1	1.1	114	85.9	3600	4800	64	185	172	2800	3800	80	138		2		2.7
7015C	/DB	/DF	/DT	75	115	20	1.1	0.6	49.5	46.1	9000	13000	23	80.4	92.2	7000	10000	82	108	110	1	0.6	0.628
7015AC	/DB	/DF	/DT	75	115	20	1.1	0.6	46.8	43.8	8500	12000	32	76	87.6	6700	9400	82	108	110	1	0.6	0.628
7215C	/DB	/DF	/DT	75	130	25	1.5	1	72.7	60.3	8500	12000	26	118	121	6500	9200	84	121	124	1.5	0.8	1.18
7215AC	/DB	/DF	/DT	75	130	25	1.5	1	69	57.6	8000	11000	37	112	115	6300	8600	84	121	124	1.5	0.8	1.18
7215BTN	/DB	/DF	/DT	75	130	25	1.5	1	68.5	58.2	4000	5300	55.5	111	116	3200	4300	84	121		1.5		1.21

HRB Bearings Catalogue - Angular Contact Ball Bearings - Single Row Type

Bearing numbers				Boundary dimensions (mm)					Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Basic load ratings (duplex)(mm)		Limiting speeds (duplex) (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)
7315C	/DB	/DF	/DT	75	160	37	2.1	1.1	146	114	7900	10600	34	237	228	6200	8300	87	148	153	2	1	3.17
7315AC	/DB	/DF	/DT	75	160	37	2.1	1.1	139	100	7500	10000	46	226	200	5900	7800	87	148	153	2	1	3.17
7315BTN	/DB	/DF	/DT	75	160	37	2.1	1.1	128	97.2	3400	4500	68	208	194	2600	3600	87	148		2		3.22
7016C	/DB	/DF	/DT	80	125	22	1.1	0.6	52.1	49.35	8500	12000	25	84.6	99	6600	9300	87	118	120	1	0.6	0.855
7016AC	/DB	/DF	/DT	80	125	22	1.1	0.6	50.3	46.9	8000	11000	35	81.7	93.8	6300	8600	87	118	120	1	0.6	0.855
7216C	/DB	/DF	/DT	80	140	26	2	1	89.6	76.9	8000	11000	28	146	154	6200	8400	90	130	134	2	1	1.46
7216AC	/DB	/DF	/DT	80	140	26	2	1	85	73.6	7500	10000	39	138	147	5900	7800	90	130	134	2	1	1.46
6216BTN	/DB	/DF	/DT	80	140	26	2	1	77	68.1	3600	4800	59	125	136	2800	3800	90	130		2		1.5
7316C	/DB	/DF	/DT	80	170	39	2.1	1.1	157	128	7500	10000	36	255	256	5800	7700	92	158	163	2	1	3.74
7316AC	/DB	/DF	/DT	80	170	39	2.1	1.1	152	122	7000	9400	48.5	247	244	5500	7400	92	158	163	2	1	3.74
7316BTN	/DB	/DF	/DT	80	170	39	2.1	1.1	142	109	3200	4300	71	231	218	2400	3400	92	158		2		3.81
7017C	/DB	/DF	/DT	85	130	22	1.1	0.6	58.1	55.8	8500	12000	26	94.4	112	6500	9200	92	123	125	1	0.6	0.886
7017AC	/DB	/DF	/DT	85	130	22	1.1	0.6	55.1	52.9	7500	11000	36	89.6	106	5800	8600	92	123	125	1	0.6	0.886
7217C	/DB	/DF	/DT	85	150	28	2	1	92.6	78.8	8000	11000	30	150	158	6300	8600	95	140	144	2	1	1.82
7217AC	/DB	/DF	/DT	85	150	28	2	1	88	75.3	7000	9500	42	143	151	5500	7400	95	140	144	2	1	1.82
7217BTN	/DB	/DF	/DT	85	150	28	2	1	82	73.6	3400	4500	63	135	147	2600	3800	95	140		2		1.87
7317C	/DB	/DF	/DT	85	180	41	3	1.1	170	142	7000	9400	38	276	284	5400	7400	99	166	173	2.5	1	4.4
7317AC	/DB	/DF	/DT	85	180	41	3	1.1	164	137	6700	8900	51.5	266	274	5200	7000	99	166	173	2.5	1	4.4
7317BTN	/DB	/DF	/DT	85	180	41	3	1.1	146	122	3000	4000	76	237	244	2200	3200	99	166		2.5		4.46
7018C	/DB	/DF	/DT	90	140	24	1.5	1	64.5	62.7	8000	11000	28	105	125	6300	8600	99	131	134	1.5	0.8	1.17
7018AC	/DB	/DF	/DT	90	140	24	1.5	1	60.8	59.4	7000	9500	39	98.8	119	5500	7400	99	131	134	1.5	0.8	1.17
7218C	/DB	/DF	/DT	90	160	30	2	1	117	97.9	7500	10000	32	190	195	5800	8500	100	150	154	2	1	2.2
7218AC	/DB	/DF	/DT	90	160	30	2	1	112	95.1	6700	9000	44	182	190	5200	7100	100	150	154	2	1	2.2
7218BTN	/DB	/DF	/DT	90	160	30	2	1	102	87.9	3200	4300	67	166	176	2400	3400	1000	150		2		2.25
7318C	/DB	/DF	/DT	90	190	43	3	1.1	183	158	6700	8900	40	297	316	5200	7000	104	176	183	2.5	1	5.14
7318AC	/DB	/DF	/DT	90	190	43	3.1	1.1	176	152	6300	8400	54	286	304	4900	6600	104	176	183	2.5	1	5.14
7318BTN	/DB	/DF	/DT	90	190	43	3	1.1	156	135	2800	3800	80	253	270	2000	3000	104	176		2.5		5.22
7019C	/DB	/DF	/DT	95	145	24	1.5	1	71.1	69.5	7500	10000	28	116	139	5900	7800	104	136	139	1.5	0.8	1.2
7019AC	/DB	/DF	/DT	95	145	24	1.5	1	67.2	66	6700	9000	40	109	132	5200	7100	104	136	139	1.5	0.8	1.2
7219C	/DB	/DF	/DT	95	170	32	2.1	1.1	133	116	7000	9500	34	216	232	5500	7400	107	158	163	2	1	2.66
7219AC	/DB	/DF	/DT	95	170	32	2.1	1.1	127	107	6300	8500	47	206	214	4900	6600	107	158	163	2	1	2.66

HRB Bearings Catalogue - Angular Contact Ball Bearings - Single Row Type

Bearing numbers				Boundary dimensions (mm)					Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Basic load ratings (duplex)(mm)		Limiting speeds (duplex) (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)
7219BTN	/DB	/DF	/DT	95	170	32	2.1	1.1	124	108	3000	4000	71.5	201	216	2200	3200	107	158		2		2.67
7319C	/DB	/DF	/DT	95	200	45	2	1.1	255	174	6400	8500	42	414	348	5000	6700	109	186	193	2.5	1	5.94
7319AC	/DB	/DF	/DT	95	200	45	3	1.1	244	167	6000	8000	57	396	334	4700	6300	109	186	193	2.5	1	5.94
7319BTN	/DB	/DF	/DT	95	200	45	3	1.1	178	163	2600	3600	84	289	326	1900	2800	109	186		2.5		6
7020C	/DB	/DF	/DT	100	150	24	1.5	1	78.1	77	7500	10000	29	127	154	5900	7800	109	141	144	1.5	0.8	1.23
7020AC	/DB	/DF	/DT	100	150	24	1.5	1	73.8	73.1	6700	9000	41	120	146	5200	7000	109	141	144	1.5	0.8	1.23
7220C	/DB	/DF	/DT	100	180	34	2.1	1.1	150	127	6700	9000	41	120	146	5200	7000	112	168	173	2	1	3.21
7220AC	/DB	/DF	/DT	100	180	31	2.1	1.1	139	121	6000	8000	50	226	242	4700	6300	112	168	173	2	1	3.21
7220BTN	/DB	/DF	/DT	100	180	34	2.1	1.1	130	144	2800	3800	76	211	288	2000	3000	112	168		2		3.29
7320C	/DB	/DF	/DT	100	215	47	3	1.1	222	207	5900	7900	44.5	361	414	4600	6200	114	201	208	2.5	1	7.4
7320AC	/DB	/DF	/DT	100	215	47	3	1.1	213	199	5600	7500	60	346	398	4400	5900	114	201	208	2.5	1	7.4
7320BTN	/DB	/DF	/DT	100	215	47	3	1.1	203	190	2400	3400	89.5	330	380	1800	2600	114	201		2.5		7.32
7021C	/DB	/DF	/DT	105	160	26	2	1	85.2	87.7	7000	9500	31	138	165	5500	7400	115	150	154	2	1	1.57
7021AC	/DB	/DF	/DT	105	160	26	2	1	80	80.7	6300	8500	44	130	161	4900	6700	115	150	154	2	1	1.57
7221C	/DB	/DF	/DT	105	190	36	2.1	1.1	163	143	6300	8500	38	265	286	4900	6700	117	178	183	2	1	3.82
7221AC	/DB	/DF	/DT	105	190	36	2.1	1.1	155	137	5600	7500	80	252	274	4400	5900	117	178	183	2	1	3.82
7221BTN	/DB	/DF	/DT	105	190	36	2.1	1.1	148	137	2600	3600	80	240	274	2000	2800	117	178		2		3.87
7321C	/DB	/DF	/DT	105	225	49	3	1.1	239	235	5600	7500	46.6	388	470	4400	5900	119	211	218	2.5	1	8.2
7321AC	/DB	/DF	/DT	105	225	49	3	1.1	229	220	5400	7200	63	372	440	4200	5600	119	211	218	2.5	1	8.2
7321BTN	/DB	/DF	/DT	105	225	49	3	1.1	212	208	2200	3200	93.5	344	416	1700	2500	119	211		2.5		8.36
7022C	/DB	/DF	/DT	110	177	28	2	1	92.6	93.7	6700	9000	33	150	187	5200	7000	120	160	164	2	1	1.98
7022AC	/DB	/DF	/DT	110	177	28	2	1	87.4	88.7	6000	8000	47	142	177	4700	6300	120	160	164	2	1	1.98
7222C	/DB	/DF	/DT	110	200	38	2.1	1.1	176	160	6000	8000	40	286	320	4600	6200	122	188	193	2	1	4.49
7222AC	/DB	/DF	/DT	110	200	38	2.1	1.1	168	153	5300	7000	55	273	306	4100	5500	122	188	193	2	1	4.49
7222BTN	/DB	/DF	/DT	110	200	38	2.1	1.1	163	153	2400	3400	84	265	306	1800	2600	122	188		2		4.54
7322C	/DB	/DF	/DT	110	240	50	3	1.1	263	262	5300	7100	48.5	427	524	4100	5500	124	226	233	2.5	1	10
7322AC	/DB	/DF	/DT	110	240	50	3	1.1	254	252	5000	6700	66	413	504	3900	5200	124	226	223	2.5	1	10
7322BTN	/DB	/DF	/DT	110	240	50	3	1.1	225	224	2000	3000	99	366	448	1600	2300	124	226		2.5		9.8
7024C	/DB	/DF	/DT	120	180	28	2	1	106	111	6300	8500	34	172	222	4900	6700	130	170	174	2	1	2.07
7024AC	/DB	/DF	/DT	120	180	28	2	1	102	105	5600	7500	4900	166	210	4400	5900	130	170	174	2	1	2.07
7224C	/DB	/DF	/DT	120	215	40	2.1	1.1	190	179	5600	7500	43	309	358	4300	5800	132	203	208	2	1	5.38

HRB Bearings Catalogue - Angular Contact Ball Bearings - Single Row Type

Bearing numbers				Boundary dimensions (mm)					Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Basic load ratings (duplex)(mm)		Limiting speeds (duplex) (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)
7224AC	/DB	/DF	/DT	120	215	40	21	1.1	181	169	4800	6300	60	294	338	3700	4900	132	203	208	2	1	5.38
7324C	/DB	/DF	/DT	120	260	55	3	1.1	283	280	5000	6500	78	460	560	3800	5000	134	246	253	2.5	1	11.8
7324AC	/DB	/DF	/DT	120	260	55	3	1.1	270	263	4600	6000	116	439	526	3600	4600	134	246	253	2.5	1	11.8
7026C	/DB	/DF	/DT	130	200	33	2	1	130	116	5600	7500	39	211	232	4300	5800	140	190	194	2	1	3.2
7026AC	/DB	/DF	/DT	130	200	33	2	1	124	110	5000	6700	55	201	220	3900	5200	140	190	194	2	1	3.2
7226C	/DB	/DF	/DT	130	230	40	3	1.1	212	190	5000	6700	44	343	380	3900	5200	144	216	233	2.5	1	6.25
7226AC	/DB	/DF	/DT	130	230	40	3	1.1	203	176	4500	6000	63	319	352	3500	4700	144	216	223	2.5	1	6.25
7326C	/DB	/DF	/DT	130	280	58	4	1.5	307	289	4700	6200	84	499	578	3600	4800	146	264	271	3	1	13.6
7326AC	/DB	/DF	/DT	130	280	58	4	1.5	293	271	4300	5700	125	476	542	3300	4400	146	264	271	3	1	13.6
7028C	/DB	/DF	/DT	140	210	33	2	1	133	120	5300	7000	40	216	240	4100	5400	150	200	204	2	1	3.4
7028AC	/DB	/DF	/DT	140	210	33	2	1	125	114	4800	6300	58	203	228	3700	4900	150	200	204	2	1	3.4
7228C	/DB	/DF	/DT	140	250	42	3	1.1	237	201	4700	6100	73	385	402	3600	4700	154	236	243	2.5	1	7.2
7228AC	/DB	/DF	/DT	140	250	42	3	1.1	226	188	4200	5600	112	367	376	3200	4300	154	236	243	2.5	1	7.2
7030C	/DB	/DF	/DT	150	225	35	2.1	1.1	151	29	5000	6700	43	245	258	3900	5200	162	213	219	2	1	4.1
7030AC	/DB	/DF	/DT	150	225	35	2.1	1.1	143	120	4300	5600	62	232	240	3300	4300	162	213	219	2	1	4.1
7230C	/DB	/DF	/DT	150	270	45	3	1.1	247	213	4200	5600	79	401	426	3200	4200	164	256	263	2.5	1	8.12
7230AC	/DB	/DF	/DT	150	270	45	3	1.1	236	200	3600	5000	120	383	400	2800	3900	164	256	263	2.5	1	8.12
7032C	/DB	/DF	/DT	160	240	38	2.1	1.1	172	146	4500	6300	46	279	292	3500	4700	172	228	234	2	1	5.1
7032AC	/DB	/DF	/DT	160	240	38	2.1	1.1	163	140	4000	5300	66	265	280	3100	4100	172	228	235	2	1	5.1
7232C	/DB	/DF	/DT	160	290	48	2	1.1	259	225	3600	5200	84	821	450	2800	4000	174	276	283	2.5	1	9.2
7232AC	/DB	/DF	/DT	160	290	48	3	1.1	247	211	2900	4500	129	401	422	2200	3500	174	276	283	2.5	1	9.2
7304ACQ1				170	260	42	2.1	1.1	153	227	2000	2600	71.1					182	248		2		8.27
7034AC				170	260	42	2.1	1.1	153	227	2000	2600	71.1					182	248		2		7.98
7234C				170	310	52	4	1.5	247	389	2800	3400	58.2					188	292		3		17.2
7234AC				170	310	52	4	1.5	235	371	1800	2400	82					188	292		3		17.2
B7234AC	/DB			170	310	52	4	1.5	217	343	1500	1900	82	355	368	2900	3900	188	292	301	3	1.5	17.4
7236C				180	320	52	4	1.5	256	418	2700	3200	59.5					198	302		3		17.9
7236AC				180	320	52	4	1.5	244	399	1700	2200	84.3					198	302		3		1.9
7336B				180	380	75	4	1.5	311	536	1300	1800	155					198	362		3		37

HRB Bearings Catalogue - Angular Contact Ball Bearings - Single Row Type

Bearing numbers				Boundary dimensions (mm)					Basic load ratings (mm)		Limiting speeds (r/min)		Load center (mm)	Basic load ratings (duplex)(mm)		Limiting speeds (duplex) (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)
7038AC			/DT	190	290	46	2.1	1.1	165	263	1800	2400	79	267	526	2600	3400	202	278	283	2	1	10.7
7040AC		/DF		200	310	51	2.1	1.1	203	331	1700	2200	85	430	924	2200	3000	212	298	351	2	1.5	14.9
7040ACN1				200	310	51	2.1	1.1	203	331	1700	2200	85					212	298		2		14.8
7240C		/DF		200	360	58	4	1.5	279	487	2500	3000	66.5	453	974	2200	3000	218	342	351	3	1.5	25.2
7204AC				200	360	58	4	1.5	265	462	1500	2000	94.3					218	342		3	1.5	25.2
7240B	/DB			200	360	28	4	1.5	238	417	1300	1800	146.5	387	834	2200	3000	218	342	351	3	1.5	25.8
7244AC				220	400	65	4	1.5	325	605	1100	1600	104.7					238	382		3		36.1
72948AC				240	320	48	2.1	1.1	142	250	1000	1500	89.3					252	308		2		10
7248B				240	440	72	4	1.5	322	626	1000	1500	178.5					258	411		3		50.9
71952AC				260	360	46	2.1	1.1	200	380	900	1400	95.3					272	348		2		13.8
71956AC				280	380	46	2.1	1.1	206	405	800	1300	99.9					292	368		2		15.7
71957Y				285	380	46	2.1	1.1	188	366	800	1300	119					297	368		2		14.7
7072CF3				360	540	82	5	1.3	409	965	600	1000	101.3					382	518		4		65.3
71976B				380	520	65	4	1.5	273	630	500	800	221.4					398	502		3		42.1
71876B	/DB			380	480	92	2.1	1.1					601	276	730			392	468	473	2	1	37.2

HRB Bearings Catalogue - Angular Contact Ball Bearings - Double Row Type

Bearing Numbers					Boundary Dimensions (mm)				Basic load ratings (mm)		limiting Speeds (r/min)		load center (mm)	Abutment and fillet dimensions (mm)			Weight (kg)
3200ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	10	30	14.3	0.6	7.59	4.4	16000	22000	15	15	25	0.6	0.051
3201ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	12	32	15.9	0.6	10.3	5.63	15000	20000	17	17	27	0.6	0.061
3202ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	15	35	15.9	0.6	11.3	6.85	12000	17000	18	20	30	0.6	0.066
3302ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	15	42	19	1	14.2	8.8	10000	15000	22	21	36	1	0.131
3203ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	17	40	17.5	0.6	14.2	8.8	10000	15000	20	22	35	0.6	0.097
3303ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	17	47	22.2	1	20.5	12.1	9500	14000	24	23	41	1	0.177
3204ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	20	47	20.6	1	19.1	12.2	9000	13000	24	26	41	1	0.152
3304ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	20	52	22.2	1.1	22.6	14.7	8500	1200	26	27	45	1	0.217
3205ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	25	52	20.6	1	20.1	14.3	8000	11000	27	31	46	1	0.197
3305ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	25	62	25.4	1.1	28.9	19.4	7500	10000	31	32	55	1	0.349
3206ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	30	62	23.8	1	28.6	20.5	7000	9500	31	36	56	1	0.292
3306ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	30	72	30.2	1.1	39.5	27.5	6300	85	36	37	65	1	0.556
3207ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	35	72	27	1.1	35.4	26.2	6000	8000	26	42	65	1	0.448
3307ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	35	80	34.9	1.5	49.5	35.3	5600	7500	42	44	71	1.5	0.748
3208ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	40	90	20.2	1.1	40.3	32	5600	7000	41	47	73	1	0.612
3308ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	40	90	36.5	1.5	60.5	41.2	5000	6700	46	49	81	1.5	1.01
3209ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	45	85	30.2	1.1	42.8	34.7	5000	6700	43	52	78	1	0.655
3309ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	45	100	39.7	1.5	72.4	54	4500	6000	50	54	91	1.5	1.36
3210ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	50	90	30.2	1.1	45.1	38.8	4800	6300	45	57	83	1	0.706
3310ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	50	110	44.4	2	85.3	64.8	4000	5300	55	60	100	2	1.81

HRB Bearings Catalogue - Angular Contact Ball Bearings - Double Row Type

Bearing Numbers					Boundary Dimensions (mm)				Basic load ratings (mm)		limiting Speeds (r/min)		load center (mm)	Abutment and fillet dimensions (mm)			Weight (kg)
Basic	-Z	-2Z	-RS	-2RS	d	D	B	r _{min}	Cr	Cor	Grease	Oil	a	da _{max}	Da _{max}	ra _{max}	
3211ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	55	100	33.3	1.5	53.8	47.3	4300	5600	50	64	91	1.5	0.981
3311ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	55	120	49.2	2	106	82.3	3800	5000	61	65	110	2	2.31
3212ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	60	110	36.5	1.5	60.1	53.6	3800	5000	55	69	101	1.5	1.34
3312ATN					60	130	54	2.1	122	95.2	3400	4500	67	72	118	2	3.3
3213ATN					65	120	38.1	1.5	73.5	66.6	3400	4500	60	74	111	1.5	1.65
3313ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	65	140	58.7	2.1	138	110	3200	4300	71	77	128	2	3.71
3214ATN					70	125	39.7	1.5	80.5	73.8	3400	4500	62	79	116	1.5	1.79
3314ATN	-ZTN	-2ZTN	-RSTN	-2RSTN	70	150	63.5	2.1	155	125	3000	4000	109	82	138	2	4.52
3215ATN					75	130	41.3	1.5	91.5	77.7	3200	4300	65	84	121	1.5	1.89
3315M	-Z	-2Z	-RS	-2RS	75	160	68.3	2.1	163	166	2800	3800	117	87	148	2	5.91
3216ATN					80	140	44.4	2	98	81.5	3000	4000	69	90	130	2	2.21
3316M	-Z	-2Z	-RS	-2RS	80	170	68.3	2.1	176	186	2600	3600	123	92	158	2	6.74
3217M	-Z	-2Z	-RS	-2RS	85	150	49.2	2	112	132	2800	3800	106	95	140	2	3.28
3317M	-Z	-2Z	-RS	-2RS	85	180	73	3	190	200	2400	3400	131	99	166	2	8.42
3218M	-Z	-2Z	-RS	-2RS	90	160	52.4	2	125	146	2600	3600	113	100	150	2	4.05
3318M	-Z	-2Z	-RS	-2RS	90	190	73	3	216	240	2200	3200	136	104	176	2.5	9.07
3219M	-Z	-2Z	-RS	-2RS	95	170	55.6	2.1	140	163	2400	3400	120	107	158	2	5.12
3319M	-Z	-2Z	-RS	-2RS	95	200	77.8	3	220	245	2200	3200	143	109	186	2.5	11.1
3220M	-Z	-2Z	-RS	-2RS	100	180	60.3	2.1	160	196	2200	3200	127	112	168	2	5.9
3320M	-Z	-2Z	-RS	-2RS	100	215	82.6	3	240	280	2000	3000	153	114	201	2.5	13.9
3221M	-Z	-2Z	-RS	-2RS	105	190	65.1	2.1	176	208	2200	3200	135	117	178	2	7.51

HRB Bearings Catalogue - Angular Contact Ball Bearings - Double Row Type

Bearing Numbers					Boundary Dimensions (mm)				Basic load ratings (mm)		limiting Speeds (r/min)		load center (mm)	Abutment and fillet dimensions (mm)			Weight (kg)
Basic	-Z	-2Z	-RS	-2RS	d	D	B	r _{min}	Cr	Cor	Grease	Oil	a	da _{max}	Da _{max}	ra _{max}	
3222M	-Z	-2Z	-RS	-2RS	110	200	69.8	2.1	190	228	2000	3000	144	122	188	2	9.05
3322M	-Z	-2Z	-RS	-2RS	110	240	92.1	3	280	345	1800	2600	171	124	226	2.5	19.6

HRB Bearings Catalogue - Angular Contact Ball Bearings - Four-point Contact Type

Bearing Numbers	Boundary Dimensions (mm)				Basic load ratings (mm)		limiting Speeds (r/min)		load center (mm)	Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r _{min}	Cr	Cor	Grease	Oil	a	da _{max}	Da _{max}	ra _{max}	
QJ203	17	40	12	0.6	15.9	10.6	14000	19000	20	22	35	0.6	0.082
QJ303	17	47	14	1	23.4	15	12000	17000	22	23	41	1	0.14
QJ304	20	52	15	1.1	29.6	20	10000	15000	25	27	45	1	0.18
QJ205	25	52	15	1	25.1	20	9500	14000	27	31	46	1	0.16
QJ305	25	62	17	1.1	41.5	24.5	9500	14000	31	32	56	1	0.276
QJ206	30	62	16	1	35.1	28.5	8500	12000	32	36	56	1	0.24
QJ306	30	72	19	1.1	49.4	39	7500	10000	36	37	65	1	0.42
QJ207	35	72	17	1.1	46.2	39.01	7500	10000	37	42	65	1	0.35
QJ307	35	80	21	1.5	59.2	46.5	7000	9500	40	44	71	1.5	0.57
QJ307N2Q1	35	80	21	1.5	59.2	46.5	7100	9500	40.3	44	71	1.5	0.69
QJ208	40	80	18	1.1	52.7	45	6700	9000	42	47	73	1	0.45
QJ308	40	90	23	1.5	71.5	58.5	6300	8500	46	49	81	1.5	0.78
QJ209	45	85	19	1.1	58.5	51	6300	8500	46	52	78	1	0.52
QJ309	45	100	25	1.5	93.6	76.5	5600	7500	51	54	91	1.5	1.05
QJ210	50	90	20	1.1	61.8	56	5600	7500	49	57	82	1	0.59
QJ310	50	110	27	2	111	91.5	5000	6700	56	60	100	2	1.35
QJ211	55	100	21	1.5	79.3	76.5	5300	7000	54	64	91	1.5	0.77
QJ311	55	120	29	2	127	108	4500	6000	61	65	110	2	1.75
QJ212	60	110	22	1.5	92.3	86.5	4800	6300	60	69	101	1.5	0.99
QJ312	60	130	31	2.1	146	125	4300	5600	67	72	118	2	2.15
QJ213	65	120	23	1.5	104	104	4300	5600	65	74	111	1.5	1.2

HRB Bearings Catalogue - Angular Contact Ball Bearings - Four-point Contact Type

Bearing Numbers	Boundary Dimensions (mm)				Basic load ratings (mm)		limiting Speeds (r/min)		load center (mm)	Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r _{min}	Cr	Cor	Grease	Oil	a	da _{max}	Da _{max}	ra _{max}	
QJ313	65	140	33	2.1	165	146	4000	5300	72	77	128	2	2.7
QJ313Q1	65	140	33	2.1	118	132	3800	5300	81.8	77	128	2	2.32
QJ313N2Q1	65	140	33	2.1	118	132	3800	5300	71.8	77	128	2	2.32
QJ214	70	125	24	1.5	114	114	4300	5600	68	79	116	1.5	1.3
QJ214N2Q1	70	125	24	1.5	114	114	4000	5600	68	79	116	1.5	1.29
QJ314	70	150	35	2.1	186	166	3600	4800	77	82	138	2	2.15
QJ215	75	130	25	1.5	117	122	4000	5300	72	84	121	1.5	1.45
QJ315N2	75	160	37	2.1	199	186	3400	4500	82	87	148	2	3.9
QJ315N2/C9	75	160	37	2.1	199	186	3400	4500	82.3	87	148	2	3.83
QJ216	80	140	26	2	138	146	3600	4800	77	90	130	2	2.02
QJ216N2	80	140	26	2	106	146	3600	4800	77	90	130	2	1.85
QJ316N2	80	170	39	2.1	216	208	3200	4300	88	92	158	2	4.6
QJ217	85	150	28	2	148	160	3400	4500	83	95	140	2	2.25
QJ317N2	85	180	41	3	234	236	3000	4000	93	99	166	2.5	5.45
QJ218N2	90	160	30	2	174	186	3200	4300	88	100	150	2	2.75
QJ318N2	90	190	43	3	265	285	2800	3800	98	104	176	2.5	6.45
QJ318N2Q1	90	190	43	3	265	285	2800	3800	98	104	176	2.5	6.22
QJ219N2	95	170	32	2.1	199	212	3000	4000	93	107	158	2	3.35
QJ319N2	95	200	45	3	286	315	2600	3600	103	109	186	2.5	7.45
QJF1020	100	150	24	1.5	79	128	3200	4300	87.5	109	141	1.5	1.63
QJ220N2Q1	100	180	34	2.1	225	240	2800	3800	98	112	168	2	3.91
QJ220N2	100	180	34	2.1	225	240	2800	3800	98	112	168	2	4.05
QJ220N2Q1	100	180	34	2.1	225	240	2800	3800	98	112	168	2	3.91
QJ320N2	100	215	47	3	307	340	2400	3400	110	114	201	2.5	9.3

HRB Bearings Catalogue - Angular Contact Ball Bearings - Four-point Contact Type

Bearing Numbers	Boundary Dimensions (mm)				Basic load ratings (mm)		limiting Speeds (r/min)		load center (mm)	Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r _{min}	Cr	Cor	Grease	Oil	a	da _{max}	Da _{max}	ra _{max}	
QJ1022M	110	170	28	2	113	186	2800	3800	98.1	120	160	2	2.68
QJF222	110	200	38	2.1	194	284	2600	3400	108.5	122	188	2	2.68
QJ222	110	200	38	2.1	265	305	2400	3400	109	122	188	2	5.7
QJ222N2	110	200	38	2.1	265	305	2400	3400	109	122	188	2	5.6
QJ222N2Q1	110	200	38	2.1	265	305	2400	3400	109	122	188	2	5.55
QJ322	110	240	50	3..0	364	430	2000	3000	123	124	226	2.5	12.5
QJ322N2	110	240	50	3	364	460	2000	3000	123	124	226	2.5	12.5
QJ322N2Q1	110	240	50	3	364	430	2000	3000	123	124	226	2.5	12.5
QJ224N1	120	215	40	2.1	286	340	2200	3700	117	132	203	2	6.95
QJ224N2Q1	120	215	40	2.1	286	340	2200	3700	117	132	203	2	6.29
QJ324	120	260	55	3	390	490	1900	2800	133	134	246	2.5	16.5
QJ324Q1	120	260	55	3	390	490	1900	2800	133	134	246	2.5	16.25
QJ324N2	120	260	55	3	390	490	1900	2800	133	134	246	2.5	16
QJ226N2	130	230	40	3	296	365	1900	2800	126	144	216	2.5	7.75
QJ226N2Q1	130	230	40	3	296	365	1900	2800	126	144	216	2.5	7.725
QJF326	130	280	58	4	423	560	1800	2600	144	148	262	3	19.6
QJ326N2	130	280	58	4	423	560	1800	2600	144	148	262	3	19.5
QJF1028	140	210	33	2	206	273	2200	3000	122.5	150	200	2	3.35
QJF228	140	250	42	3	325	440	1800	2600	137	154	236	2.5	9.85
QJ228N2	140	250	42	3	325	440	1800	2600	137	154	236	2.5	9.85
QJ328N2	140	300	62	4	468	640	1700	2400	154	158	282	3	24
QJF1030	150	225	35	2.1	169	298	2000	2800	131.3	162	213	2	5.29
QJ1030	150	225	35	2.1	169	298	2000	2800	131.3	162	213	2	5.26
QJF1030J/C9	150	225	35	2.1	169	298	2000	2800	131.3	162	213	2	4.37
QJ230N2	150	270	45	3	338	465	1700	2400	147	164	256	2.5	12.5
QJ230N2Q1	150	270	45	3	338	465	1700	2400	147	164	256	2.5	12.5

HRB Bearings Catalogue - Angular Contact Ball Bearings - Four-point Contact Type

Bearing Numbers	Boundary Dimensions (mm)				Basic load ratings (mm)		limiting Speeds (r/min)		load center (mm)	Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r _{min}	Cr	Cor	Grease	Oil	a	da _{max}	Da _{max}	ra _{max}	
QJF330	150	320	65	4	494	710	1600	2200	165	168	302	3	29.12
QJ330N2	150	320	65	4	494	710	1600	2200	165	168	302	3	29
QJF1032	160	240	38	2.1	184	336	1900	2600	140	172	228	2	6.54
QJ232	160	290	48	3	390	570	1600	2200	158	174	276	2.5	15.5
QJ232N2	160	290	48	3	390	570	1600	2200	158	174	276	2.5	15.45
QJ232N2Q1	160	290	48	3	390	570	1600	2200	158	174	276	2.5	15.42
QJ332N2	160	340	68	4	585	750	1400	1900	175	178	348	3	30.9
QJF1034	170	260	42	2.1	221	109	1800	2400	150.5	182	248	2	8.82
QJ1034	170	260	42	2.1	221	409	1800	2400	150.5	182	248	2	8.23
QJ1034N2Q1	170	260	42	2.1	221	409	1800	2400	150.5	182	248	2	8.06
QJ234	170	310	52	4	397	600	1600	2200	168	188	292	3	19.5
QJ234N2	170	310	52	4	397	600	1600	2200	168	188	292	3	19.5
QJ234N2Q1	170	310	52	4	397	600	1600	2200	168	188	292	3	19.5
QJ334N2	170	380	75	4	618	965	1400	1900	186	188	342	3	41.5
QJF1036	180	280	46	2.1	246	481	1700	2200	161	192	268	2	10.9
QJ1036	180	280	46	2.1	246	481	1700	2200	161	192	268	2	10.7
QJF236	180	320	52	4	436	680	1500	2000	175	198	302	3	20.63
QJ236	180	320	52	4	436	680	1500	2000	175	198	302	3	20.62
QJ236N2	180	320	52	4	436	680	1500	2000	175	198	302	3	20.5
QJ336	180	360	72	4	637	1020	1300	1800	196	198	362	3	47.55
QJ336N2	180	360	72	4	637	1020	1300	1800	196	198	362	3	47.5
176738U	190	280	55	2.5	230	452	1600	2200	164.5	203	267	2	11.6
QJF1038	190	290	46	2.1	244	483	1600	2200	168.1	202	278	2	11.4
QJ1038N2Q1	190	290	46	2.1	244	483	1600	2200	168	202	278	2	11.4
QJF238	190	340	55	4	383	796	1400	2000	185.6	208	322	3	22.6
172640U	200	300	58	2.5	249	506	1500	2000	175.1	216	287	2	14.7

HRB Bearings Catalogue - Angular Contact Ball Bearings - Four-point Contact Type

Bearing Numbers	Boundary Dimensions (mm)				Basic load ratings (mm)		limiting Speeds (r/min)		load center (mm)	Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r _{min}	Cr	Cor	Grease	Oil	a	da _{max}	Da _{max}	ra _{max}	
QJF1040	200	310	51	2.1	299	619	1500	2000	178.6	212	298	2	14.7
QJ1040	200	310	51	2.1	299	619	1500	2000	1748.6	212	298	2	14.7
QJF240	200	360	58	4	507	850	1300	1800	196	218	342	3	28.5
QJ240N2	200	360	58	4	507	850	1300	1800	196	218	342	3	28.5
QJ340N2	200	420	80	5	570	1266	1200	1600	217	222	398	4	55.3
QJ1044N2Q1	220	340	56	3	306	653	1200	1700	196.1	234	326	2.5	17.8
QJ244N2	220	400	65	4	553	980	1100	1500	217	238	382	3	39.5
QJ1048N2Q1	240	360	56	3	331	756	1100	1500	210.1	254	346	2.5	20.9
QJ1952E	260	360	46	2.1	298	676	1000	1400	217.1	272	348	2	15.5
QJ1052M	260	400	65	4	390	910	980	1200	231	278	382	3	31.5
QJ1056M	280	420	65	4	410	1010	960	1000	245.1	262	402	3	34.4
QJF1056	280	420	65	4	410	1010	960	1000	245.1	262	402	3	33.5
QJF1060	300	460	74	4	465	1224	900	1100	266.1	318	442	3	48.2
QJF9/560X1	560	780	60	5	530	1840	600	800	469.1	582	758	4	100