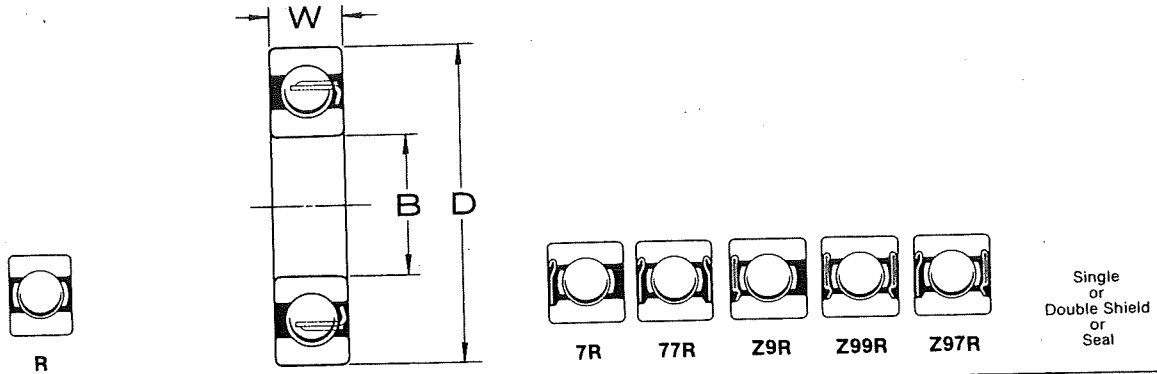


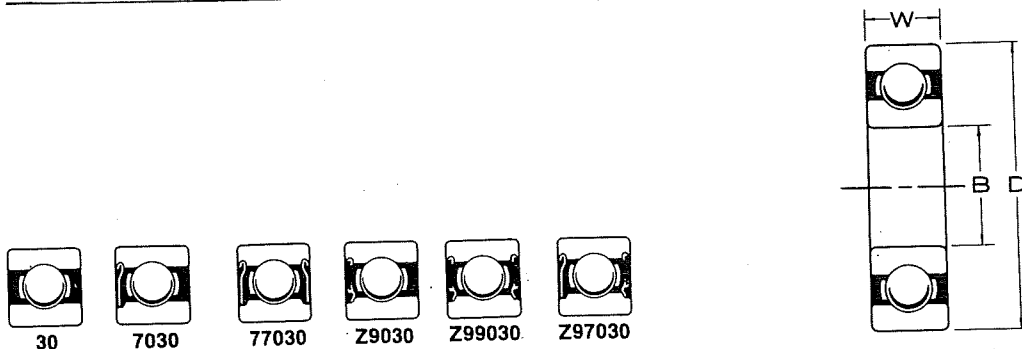
SINGLE ROW RADIAL — CONRAD TYPE
EXTRA LIGHT "INCH" TYPE - SERIES "R"



Bearing Size No.	Bore B		Diam. D		Open Bearing Width W		Bearing Size No.					Closed Bearing Width W		Radial Capacity Based on 3000 Hrs. B-10 Life at 500 RPM
	Fraction	Decimal	Fraction	Decimal	Fraction	Decimal	1 Shield	2 Shields	1Z Seal	2Z Seals	1Z Seal 1 Shield	Fraction	Decimal	
Plain														
R2	1/8"	.1250	3/8"	.3750	5/32"	.1562	7R2	77R2	-	-	-	5/32"	.1562	20
R2A	1/8"	.1250	1/2"	.5000	1/64"	.1719	7R2A	77R2A	-	-	-	1/64"	.1719	20
R3	3/16"	.1875	1/2"	.5000	5/32"	.1562	7R3	77R3	Z9R3	Z99R3	Z97R3	-	.1960	46
R4	1/4"	.2500	1/2"	.5000	1/32"	.1960	7R4	77R4	Z9R4	Z99R4	Z97R4	-	.1960	51
R4A	1/4"	.2500	3/4"	.7500	7/32"	.2188	7R4A	77R4A	Z9R4A	Z99R4A	Z97R4A	9/32"	.2812	99
R6	3/8"	.3750	7/8"	.8750	7/32"	.2188	7R6	77R6	Z9R6	Z99R6	Z97R6	5/32"	.2812	132
R8	1/2"	.5000	1 1/8"	1.1250	1/4"	.2500	7R8	77R8	Z9R8	Z99R8	Z97R8	5/16"	.3125	255
R10	5/8"	.6250	1 3/8"	1.3750	9/32"	.2812	7R10	77R10	Z9R10	Z99R10	Z97R10	1/16"	.3438	295
R12	3/4"	.7500	1 5/8"	1.6250	5/16"	.3125	7R12	77R12	Z9R12	Z99R12	Z97R12	7/16"	.4375	510
R14	7/8"	.8750	1 7/8"	1.8750	3/8"	.3750	7R14	77R14	Z9R14	Z99R14	Z97R14	1/2"	.5000	550
R16	1"	1.0000	2"	2.0000	3/8"	.3750	7R16	77R16	Z9R16	Z99R16	Z97R16	1/2"	.5000	550
R18	1 1/8"	1.1250	2 1/8"	2.1250	3/8"	.3750	7R18	77R18	Z9R18	Z99R18	Z97R18	1/2"	.5000	760
R20	1 1/4"	1.2500	2 1/4"	2.2500	7/8"	.3750	-	-	-	-	-	-	-	800
R22	1 3/8"	1.3750	2 1/2"	2.5000	7/8"	.4375	7R22	77R22	Z9R22	Z99R22	Z97R22	9/16"	.5625	950
R24	1 1/2"	1.5000	2 3/4"	2.6250	7/8"	.4375	-	-	-	-	-	-	-	1000

EXTRA SMALL SERIES - TYPE 30

For light radial or combined load duty required of bearings below 10mm bore



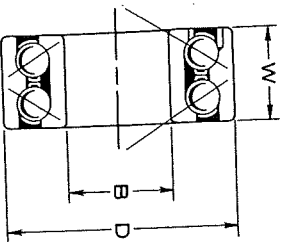
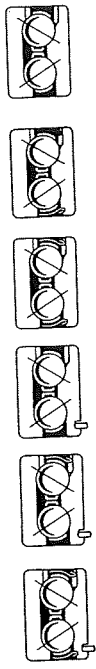
BEARING SIZE NUMBER						Bore B		Diameter D		Width W		Radial Capacity Based on 3000 Hrs. B-10 Life at 500 RPM
Plain	1 Shield	2 Shields	1 Seal	2 Seals	1 Seal 1 Shield	mm	inch	mm	inch	mm	inch	
34	7034*	77034*	-	-	-	4	.1575	16	.6299	5	.1969	97 ‡
35	7035	77035	Z9035	Z99035	Z97035	5	.1969	19	.7480	6	.2362	117
36	7036	77036	Z9036	Z99036	Z97036	6	.2362	19	.7480	6	.2362	117
37	7037	77037	Z9037	Z99037	Z97037	7	.2756	22	.8661	7	.2756	132
38	7038	77038	Z9038	Z99038	Z97038	8	.3150	22	.8661	7	.2756	132
39	7039	77039	Z9039	Z99039	Z97039	9	.3543	26	1.0236	8	.3150	230

*Shielded 34 uses the 77R4 ball complement.
‡Shielded 34 Radial Capacity is 51.

New Departure Hyatt BALL BEARING DIMENSIONAL DATA

DOUBLE ROW — TYPE 5000
LIGHT SERIES — 5200

"Externally converging angles of contact" used where high rigidity is required to resist overturning deflections effectively.



Plain	1 Shield	2 Shields	Sn. Ring	Sn. Ring 1 Shield	Sn. Ring 2 Shields	Bore B		Diameter D		Width W		Radial Capacity Based on 3000 Hrs. B-10 Life at 500 RPM
						mm	inch	mm	inch	mm	inch	
5200†	5500†	55500†	45200†	45500†	455500†	10	.3937	30	1.1811	14.3	.5625	470
5201†	5501†	55501†	45201†	45501†	455501†	12	.4724	32	1.2598	15.9	.6250	550
5202†	5502†	55502†	45202†	45502†	455502†	15	.5906	35	1.3780	17.5	.6875	610
5203†	5503†	55503†	45203†	45503†	455503†	17	.6693	40	1.5748	20.6	.8125	800
5204†	5504†	55504†	45204†	45504†	455504†	20	.7874	47	1.8504	20.6	.8125	1120
5205†	5505†	55505†	45205†	45505†	455505†	25	.9843	52	2.0472	20.6	.8125	1220
5206†	5506†	55506†	45206†	45506†	455506†	30	1.1811	62	2.4409	23.8	.9375	1780
5207†	5507†	55507†	45207†	45507†	455507†	35	1.3780	72	2.8346	27.0	1.0625	2450
5208	5508	55508	45208	45508	455508	40	1.5748	80	3.1496	30.2	1.1875	3350
5209	5509	55509	45209	45509	455509	45	1.7717	85	3.3465	30.2	1.1875	3500
5210	5510	55510	45210	45510	455510	50	1.9685	90	3.5433	30.2	1.1875	3650
5211	5511	55511	45211	45511	455511	55	2.1654	100	3.9370	33.3	1.3125	4650
5212	5512	55512	45212	45512	455512	60	2.3622	110	4.3307	36.5	1.4375	5200
5213	5513	55513	45213	45513	455513	65	2.5591	120	4.7244	38.1	1.5000	6000
5214	5514	55514	45214	45514	455514	70	2.7559	125	4.9213	39.7	1.5625	6500
5215	5515	55515	45215	45515	455515	75	2.9528	130	5.1181	41.3	1.6250	7100
5216	5516	55516	45216	45516	455516	80	3.1496	140	5.5118	44.4	1.7500	7900
5217	5517	55517	45217	45517	455517	85	3.3465	150	5.9055	49.2	1.9375	9100
5218	5518	55518	45218	45518	455518	90	3.5433	160	6.2992	52.4	2.0625	10200
5219	5519	55519	45219	45519	455519	95	3.7402	170	6.6929	55.6	2.1875	11400
5220	5520	55520	45220	45520	455520	100	3.9370	180	7.0866	60.3	2.3750	12600
5222	5522	55522	45222	45522	455522	110	4.3307	200	7.8740	69.8	2.7500	13600

†For Searri Seal Double Row Type Check Special Commercial Bearing List. (Z995200)
‡Non-loading groove assembly.

MEDIUM SERIES — 5300

5300	5600	55600	45300	45600	455600	10	.3937	35	1.3780	19.0	.7500	690
5301	5601	55601	45302†	45603†	455603†	12	.4724	37	1.4567	19.0	.7500	750
5302†	5602†	55602†	45303†	45604†	455604†	15	.5906	42	1.6535	19.0	.7500	890
5303†	5603†	55603†	45304†	45605†	455605†	17	.6693	47	1.8504	22.2	.8750	1240
5304†	5604†	55604†	45305†	45606†	455606†	20	.7874	52	2.0472	22.2	.8750	1460

With Reverse J
Used where sit



Plain	1 Shield
5205W	5506W
5206W	5507W
5207W	-
5208W	5510W
5210W	5511W
5211W	5512W
5212W	5513W
5213W	-
5214W	5516W
5215W	5518W
5216W	-
5218W	-
5222W	-

at Capacity Based
300 Hrs. B-10 Life
at 500 RPM*

30	H0L00	230	1480	3100	4800
145		280	2050	3750	6100
165		285	2200	3850	6400
105		305	2250	4500	7600
125	**530	305	3000	4650	7900
170		600	1480	4800	
640		810	2050	4000	
860		1060	2200	4100	
140		1120	2250	4800	
180		1420	3000	4850	
520				4900	
1580				5100	
2150				5200	
2350				5300	
2400				5400	
3200				5500	
3350				5600	
4000				5700	
4100				5800	
4800				5900	
4850				6000	
4900				6100	
5100				6200	
5200				6300	
5300				6400	
5400				6500	
5500				6600	
5600				6700	
5700				6800	
5800				6900	
6000				7000	

Bearing Size No.	Bore B		Diameter D		Width W		Radial Capacity Based on 3000 Hrs. B-10 Life at 500 RPM*
	mm	inch	mm	inch	mm	inch	
20200	10	.3937	30	1.1811	9	.3543	20200 Series 265
20201	12	.4724	32	1.2598	10	.3937	H20200 Series 345
20202	15	.5906	35	1.3780	11	.4331	370
20203	17	.6693	40	1.5748	12	.4724	530
20204	20	.7874	47	1.8504	14	.5512	730
20205	25	.9843	52	2.0472	15	.5906	780
20206	30	1.1811	62	2.4409	16	.6299	1440
20207	35	1.3780	72	2.8346	17	.6693	1660
20208	40	1.5748	80	3.1496	18	.7087	2400
20209	45	1.7717	85	3.3465	19	.7480	2350
20210	50	1.9685	90	3.5433	20	.7874	2900
20211	55	2.1654	100	3.9370	21	.8268	3250
20212	60	2.3622	110	4.3307	22	.8661	3900
20213	65	2.5591	120	4.7244	23	.9055	4300
20214	70	2.7559	130	4.9213	24	.9449	4600
20215	75	2.9528	140	5.1181	25	.9843	4800
20216	80	3.1496	150	5.5118	26	1.0236	5400
20217	85	3.3465	160	5.9055	28	1.1024	6300
20218	90	3.5433	170	6.2992	30	1.1811	6700
20219	95	3.7402	180	6.6929	32	1.2598	7500
20220	100	3.9370	190	7.0866	34	1.3386	8200
20221	105	4.1339	200	7.4803	36	1.4173	9000
20222	110	4.3307	200	7.8740	38	1.4961	9800
20224	120	4.7244	215	8.4646	40	1.5748	10600
20226	130	5.1181	230	9.0551	42	1.5748	11600
20228	140	5.5118	250	9.8425	45	1.6535	13400
20230	150	5.9055	270	10.6299	45	1.7717	14800

†Flanged Precision Bearings manufactured to A.B.E.C. 5, 7, 9 precision specifications only. Check availability by size.
‡30° Contact angle.

SINGLE ROW — MEDIUM SERIES — H20300 AND 30300

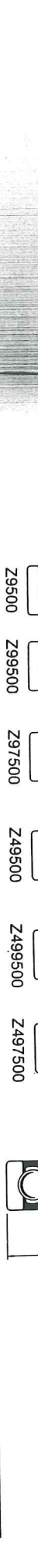
Bearing Size No.	Bore B		Diameter D		Width W		Radial Capacity Based on 3000 Hrs. B-10 Life at 500 RPM*
	mm	inch	mm	inch	mm	inch	
H20300	10	.3937	35	1.3780	11	.4331	H20300 Series 425
H20301	12	.4724	37	1.4567	12	.4724	460
H20302	15	.5906	42	1.6535	13	.5118	640
H20303	17	.6693	47	1.8504	14	.5512	800
H20304	20	.7874	52	2.0472	15	.5906	1300
H20305	25	.9843	62	2.4409	17	.6693	1620
H20306	30	1.1811	72	2.8346	19	.7480	1980
H20307	35	1.3780	80	3.1496	21	.8268	2450
H20308	40	1.5748	90	3.5433	23	.9055	2950
H20309	45	1.7717	100	3.9370	25	.9843	3700
H20310	50	1.9685	110	4.3307	27	1.0630	4300
H20311	55	2.1654	120	4.7244	29	1.1417	4850
H20312	60	2.3622	130	5.1181	31	1.2205	5200
H20313	65	2.5591	140	5.5118	33	1.2992	6000
H20314	70	2.7559	150	5.9055	35	1.3780	6600
H20315	75	2.9528	160	6.2992	37	1.4567	7300
H20316	80	3.1496	170	6.6929	39	1.5354	8000
H20317	85	3.3465	180	7.0866	41	1.6142	8600
H20318	90	3.5433	190	7.4803	43	1.6929	9400
H20319	95	3.7402	200	7.8740	45	1.7717	10200
30320	100	3.9370	215	8.4646	47	1.8504	11060
30321	105	4.1339	225	8.8583	49	1.9291	11200
30322	110	4.3307	240	9.4488	50	1.9685	12800
30326	130	5.1181	280	11.0236	58	2.2835	15800

*Radial Capacity for two bearings mounted duplex may be taken as 1.62 times rating listed.

862
756
150

43
37
31

12
18
24



BEARING SIZE NUMBER

Radial Capacity Based on 3000 Hrs. B-10 Life at 500 RPM	Inch	BEARING SIZE NUMBER										Bore		Diameter		Width		Radial Capacity Based on 3000 Hrs. B-10 Life at 500 RPM
		Plain 1/2 Seal	1 Shield 2/2 Seals	2 Shields 1/2 Seal 1 Shield	Sn. Ring 1/2 Seal	Sn. Ring 1 Shield 2/2 Seals	Sn. Ring 2 Shields 1/2 Seal 1 Shield	mm	inch	mm	inch	mm	inch	mm	inch			
150	230	3200	7500	77500	43200	47500	477500	10	.3937	30	1.1811	9	.3543	320				
150	255	Z9500	Z99500	Z97500	Z49500	Z499500	Z497500	12	.4724	32	1.2598	10	.3937	320				
543	275	3201	7501	77501	43201	47501	477501	15	.5906	35	1.3780	11	.4331	350				
337	295	Z9501	Z99501	Z97501	Z49501	Z499501	Z497501	17	.6693	40	1.5748	12	.4724	570				
24	510	3202	7502	77502	43202	47502	477502	20	.7874	47	1.8504	14	.5512	760				
18	760	Z9502	Z99502	Z97502	Z49502	Z499502	Z497502	25	.9843	52	2.0472	15	.5906	820				
12	950	3203	7503	77503	43203	47503	477503	30	1.1811	62	2.4409	16	.6299	1220				
9	1300	Z9503	Z99503	Z97503	Z49503	Z499503	Z497503	35	1.3780	72	2.8346	17	.6693	1900				
7	1850	3204	7504	77504	43204	47504	477504	40	1.5748	80	3.1496	18	.7087	2100				
7	1960	Z9504	Z99504	Z97504	Z49504	Z499504	Z497504	45	1.7717	85	3.3465	19	.7480	2050				
7	2050	3205	7505	77505	43205	47505	477505	50	1.9685	90	3.5433	20	.7874	2200				
7	2600	Z9505	Z99505	Z97505	Z49505	Z499505	Z497505	55	2.1654	100	3.9370	21	.8268	2700				
7	2700	3206	7506	77506	43206	47506	477506	60	2.3622	110	4.3307	22	.8661	3050				
7	3200	Z9506	Z99506	Z97506	Z49506	Z499506	Z497506	65	2.5591	120	4.7244	23	.9055	3600				
1	3222	3207	7507	77507	43207	47507	477507	70	2.7559	125	4.9213	24	.9449	3850				
1	3224	Z9507	Z99507	Z97507	Z49507	Z499507	Z497507	75	2.9528	130	5.1181	25	.9843	3850				
1	3226	3208	7508	77508	43208	47508	477508	80	3.1496	140	5.5118	26	1.0236	4150				
1	3228	Z9508	Z99508	Z97508	Z49508	Z499508	Z497508	85	3.3465	150	5.9055	28	1.1024	5000				
1	5500	3209	7509	77509	43209	47509	477509	90	3.5433	160	6.2992	30	1.1811	5600				
1	6600	Z9509	Z99509	Z97509	Z49509	Z499509	Z497509	95	3.7402	170	6.6929	32	1.2598	6200				
1	6900	3210	7510	77510	43210	47510	477510	100	3.9370	180	7.0866	34	1.3386	6900				
1	7700	Z9510	Z99510	Z97510	Z49510	Z499510	Z497510	105	4.1339	190	7.4803	36	1.4173	7200				
1	8500	3211	7511	77511	43211	47511	477511	110	4.3307	200	7.8740	38	1.4961	7800				
1	8500	Z9511	Z99511	Z97511	Z49511	Z499511	Z497511	120	4.7244	215	8.4646	40	1.5748	8500				
1	9200	3212	7512	77512	43212	47512	477512	130	5.1181	230	9.0551	40	1.5748	9200				
1	9200	Z9512	Z99512	Z97512	Z49512	Z499512	Z497512	140	5.5118	250	9.8425	42	1.6535	10600				
1	10600	3213	7513	77513	43213	47513	477513											
1	10600	Z9513	Z99513	Z97513	Z49513	Z499513	Z497513											
1	10600	3214	7514	77514	43214	47514	477514											
1	10600	Z9514	Z99514	Z97514	Z49514	Z499514	Z497514											
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1	10600	Z9515	Z99515	Z97515	Z49515	Z499515	Z497515											
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