



CRAFT BEARINGS

Quality Minded



GENERAL CATALOG

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SPHERICAL ROLLER BEARINGS
Series: 222.. 223.. 230.. 231.. 232..



Subject	Symbol	Description
Radial internal clearance	C2	Less than normal.
	CN	Normal clearance. Is not indicated as a standard.
	C3	Greater clearance than normal.
	C4	Greater than C3.
	C5	Greater than C4.
Other technical modifications	W33	All bearings are equipped with an annular groove and three lubrication holes in the outer ring.
	K	Tapered bore.
Cage types	C	Steel cage with two stamped window-type steel cages, an inner ring without flanges and a floating guide ring centered on the inner ring.
	CA	Machined brass cage with retaining flanges on the inner ring, guide ring centred on the inner ring.
	MB	Split brass cage, centered on the inner ring. There are hard board in the center and two boards in the outer sides.
Tolerances	P0	Normal tolerance level. Is not indicated as a standard.
	P6	Greater tolerance level than P0.
	P5	Greater tolerance level than P6.

Features

Spherical roller bearings are bearings for the most severe fields of application and contain two rows of symmetrical barrel rollers which set freely in the hollow-spherical outer raceway. These kind bearings offer an unequalled combination of high load capacity, high tolerance to shock loads, and self-aligning ability but they are limited by speed. The center point of the sphere in the outer ring raceway is at the bearing axis. These bearings can be mounted directly on the shaft or with the help of the adapter sleeve (indicated together with H series) or withdrawal sleeves (indicated with AH series). The standard versions of spherical roller bearings are supplied only with sheet-metal or brass cage.

Radial internal clearance

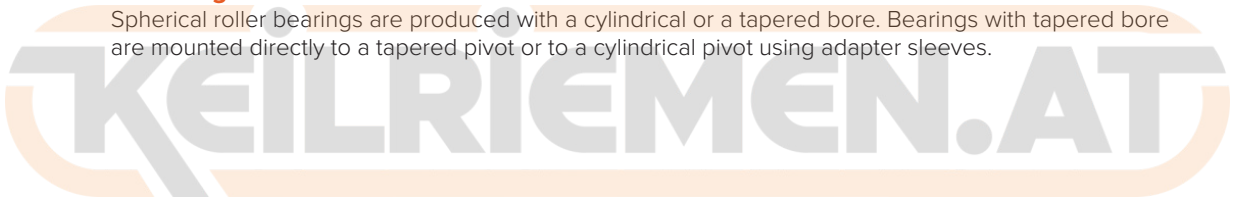
CRAFT bearings spherical roller bearings are produced as standard with normal radial internal clearance and most are also available with a greater C3 clearance. Many bearings can also be supplied with a smaller C2 clearance or the much greater C4 or C5 clearances. CRAFT bearings spherical roller bearings for vibratory applications are produced as standard with C4 clearance. The clearance limits are in accordance with ISO 5753:1 and are valid for bearings before mounting under zero measuring load.

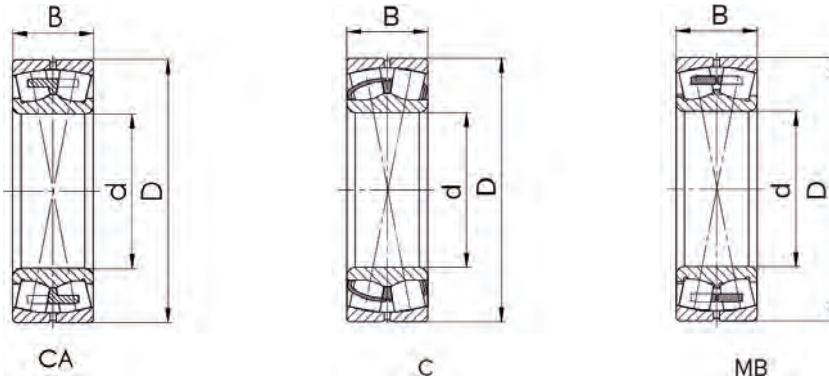
Lubrication

CRAFT bearings spherical roller bearings are not sealed and are not greased, they can be lubricated using grease. The outer ring of spherical roller bearings are made with lubrication holes and a groove for feeding lubricant. The outer ring may also be configured with oil holes only depending on fitting, mounting.

Inner ring bore

Spherical roller bearings are produced with a cylindrical or a tapered bore. Bearings with tapered bore are mounted directly to a tapered pivot or to a cylindrical pivot using adapter sleeves.





ISO	GOST	SLEEVE NO.	Dimensions (mm)			Basic Load Rating (N)		Limiting speed (r/min)		Weight (kg)
			d	D	B	Dyn. C	Stat. C ₀	Lubrication		
								Grease	Oil	
22205 CW33	53505 H	-	25	52	18	35800	36800	8000	10000	0.174
22205 KCW33	153505 H	H305	25	52	18	35800	36800	8000	10000	0.169
22205 KMBW33	113505 H	H305	25	52	18	35800	36800	8000	10000	0.170
22205 MBW33	3505 H	-	25	52	18	35800	36800	8000	10000	0.178
22205 CAW33	3505 H	-	25	52	18	35800	36800	8000	10000	0.178
22206 CW33	53506 H	-	30	62	20	50500	55000	6700	8500	0.270
22206 KCW33	153506 H	H306	30	62	20	50500	55000	6700	8500	0.260
22206 KMBW33	113506 H	H306	30	62	20	50500	55000	6700	8500	0.269
22206 MBW33	3506 H	-	30	62	20	50500	55000	6700	8500	0.272
22206 CAW33	3506 H	-	30	62	20	50500	55000	6700	8500	0.272
22207 CW33	53507 H	-	35	72	23	66500	76000	5300	6700	0.410
22207 KCW33	153507 H	H307	35	72	23	66500	76000	5300	6700	0.397
22207 KMBW33	113507 H	H307	35	72	23	66500	76000	5300	6700	0.406
22207 MBW33	3507 H	-	35	72	23	66500	76000	5300	6700	0.430
22207 CAW33	3507 H	-	35	72	23	66500	76000	5300	6700	0.430
22208 CW33	53508 H	-	40	80	23	78500	90800	5000	6000	0.520
22208 KCW33	153508 H	H308	40	80	23	78500	90800	5000	6000	0.493
22208 KMBW33	113508 H	H308	40	80	23	78500	90800	5000	6000	0.506
22208 MBW33	3508 H	-	40	80	23	78500	90800	5000	6000	0.540
22208 CAW33	3508 H	-	40	80	23	78500	90800	5000	6000	0.540
22209 CW33	53509 H	-	45	85	23	82000	97500	4500	5600	0.564
22209 KCW33	153509 H	H309	45	85	23	82000	97500	4500	5600	0.551
22209 KMBW33	113509 H	H309	45	85	23	82000	97500	4500	5600	0.571
22209 MBW33	3509 H	-	45	85	23	82000	97500	4500	5600	0.580
22209 CAW33	3509 H	-	45	85	23	82000	97500	4500	5600	0.580
22210 CW33	53510 H	-	50	90	23	84500	105000	4000	5000	0.618
22210 KCW33	153510 H	H310	50	90	23	84500	105000	4000	5000	0.610
22210 KMBW33	113510 H	H310	50	90	23	84500	105000	4000	5000	0.612
22210 MBW33	3510 H	-	50	90	23	84500	105000	4000	5000	0.620
22210 CAW33	3510 H	-	50	90	23	84500	105000	4000	5000	0.620
22211 CW33	53511 H	-	55	100	25	102000	125000	3600	4500	0.840
22211 KCW33	153511 H	H311	55	100	25	102000	125000	3600	4500	0.820
22211 KMBW33	113511 H	H311	55	100	25	102000	125000	3600	4500	0.840
22211 MBW33	3511 H	-	55	100	25	102000	125000	3600	4500	0.852
22211 CAW33	3511 H	-	55	100	25	102000	125000	3600	4500	0.852
22212 CW33	53512 H	-	60	110	28	122000	155000	3200	4000	1.114
22212 KCW33	153512 H	H312	60	110	28	122000	155000	3200	4000	1.088
22212 KMBW33	113512 H	H312	60	110	28	122000	155000	3200	4000	1.120
22212 MBW33	3512 H	-	60	110	28	122000	155000	3200	4000	1.126
22212 CAW33	3512 H	-	60	110	28	122000	155000	3200	4000	1.126
22213 CW33	53513 H	-	65	120	31	150000	195000	2800	3600	1.550
22213 KCW33	153513 H	H313	65	120	31	150000	195000	2800	3600	1.500
22213 KMBW33	113513 H	H313	65	120	31	150000	195000	2800	3600	1.526

ISO	GOST	SLEEVE NO.	Dimensions (mm)			Basic Load Rating (N)		Limiting speed (r/min)		Weight (kg)
			d	D	B	Dyn. C	Stat. C ₀	Lubrication		
								Grease	Oil	
22213 MBW33	3513 H	-	65	120	31	150000	195000	2800	3600	1.560
22213 CAW33	3513 H	-	65	120	31	150000	195000	2800	3600	1.560
22214 CW33	53514 H	-	70	125	31	158000	205000	2600	3400	1.584
22214 KCW33	153514 H	H314	70	125	31	158000	205000	2600	3400	1.552
22214 KMBW33	113514 H	H314	70	125	31	158000	205000	2600	3400	1.591
22214 MBW33	3514 H	-	70	125	31	158000	205000	2600	3400	1.602
22214 CAW33	3514 H	-	70	125	31	158000	205000	2600	3400	1.602
22215 CW33	53515 H	-	75	130	31	162000	215000	2400	3200	1.610
22215 KCW33	153515 H	H315	75	130	31	162000	215000	2400	3200	1.580
22215 KMBW33	113515 H	H315	75	130	31	162000	215000	2400	3200	1.697
22215 MBW33	3515 H	-	75	130	31	162000	215000	2400	3200	1.704
22215 CAW33	3515 H	-	75	130	31	162000	215000	2400	3200	1.704
22216 CW33	53516 H	-	80	140	33	175000	238000	2200	3000	2.058
22216 KCW33	153516 H	H316	80	140	33	175000	238000	2200	3000	2.000
22216 KMBW33	113516 H	H316	80	140	33	175000	238000	2200	3000	2.050
22216 MBW33	3516 H	-	80	140	33	175000	238000	2200	3000	2.120
22216 CAW33	3516 H	-	80	140	33	175000	238000	2200	3000	2.120
22217 CW33	53517 H	-	85	150	36	210000	278000	2000	2800	2.470
22217 KCW33	153517 H	H317	85	150	36	210000	278000	2000	2800	2.451
22217 KMBW33	113517 H	H317	85	150	36	210000	278000	2000	2800	2.647
22217 MBW33	3517 H	-	85	150	36	210000	278000	2000	2800	2.662
22217 CAW33	3517 H	-	85	150	36	210000	278000	2000	2800	2.662
22218 CW33	53518 H	-	90	160	40	240000	322000	1900	2600	3.344
22218 KCW33	153518 H	H318	90	160	40	240000	322000	1900	2600	3.236
22218 KMBW33	113518 H	H318	90	160	40	240000	322000	1900	2600	3.364
22218 MBW33	3518 H	-	90	160	40	240000	322000	1900	2600	3.482
22218 CAW33	3518 H	-	90	160	40	240000	322000	1900	2600	3.482
22219 CW33	53519 H	-	95	170	43	278000	380000	1900	2600	4.000
22219 KCW33	153519 H	H319	95	170	43	278000	380000	1900	2600	3.890
22219 KMBW33	113519 H	H319	95	170	43	278000	380000	1900	2600	3.947
22219 MBW33	3519 H	-	95	170	43	278000	380000	1900	2600	4.100
22219 CAW33	3519 H	-	95	170	43	278000	380000	1900	2600	4.100
22220 CW33	53520 H	-	100	180	46	310000	425000	1800	2400	4.894
22220 KCW33	153520 H	H320	100	180	46	310000	425000	1800	2400	4.746
22220 KMBW33	113520 H	H320	100	180	46	310000	425000	1800	2400	4.888
22220 MBW33	3520 H	-	100	180	46	310000	425000	1800	2400	4.988
22220 CAW33	3520 H	-	100	180	46	310000	425000	1800	2400	4.988
22222 CW33	53522 H	-	110	200	53	405000	575000	1700	2200	7.100
22222 KCW33	153522 H	H322	110	200	53	405000	575000	1700	2200	6.994
22222 KMBW33	113522 H	H322	110	200	53	405000	575000	1700	2200	7.000
22222 MBW33	3522 H	-	110	200	53	405000	575000	1700	2200	7.136
22222 CAW33	3522 H	-	110	200	53	405000	575000	1700	2200	7.136
22224 CW33	53524 H	-	120	215	58	470000	678000	1600	2000	8.752
22224 KCW33	153524 H	H3134	120	215	58	470000	678000	1600	2000	8.630
22224 KMBW33	113524 H	H3124	120	215	58	470000	678000	1600	2000	8.480
22224 MBW33	3524 H	-	120	215	58	470000	678000	1600	2000	8.842
22224 CAW33	3524 H	-	120	215	58	470000	678000	1600	2000	8.842
22226 CW33	53526 H	-	130	230	64	550000	810000	1400	1800	10.40
22226 KMBW33	113526 H	H3126	130	230	64	550000	810000	1400	1800	10.89
22226 MBW33	3526 H	-	130	230	64	550000	810000	1400	1800	11.00
22226 CAW33	3526 H	-	130	230	64	550000	810000	1400	1800	11.00
22228 CW33	53528 H	-	140	250	68	628000	930000	1300	1700	13.99
22228 KMBW33	113528 H	H3128	140	250	68	628000	930000	1300	1700	13.68
22228 MBW33	3528 H	-	140	250	68	628000	930000	1300	1700	14.00
22228 CAW33	3528 H	-	140	250	68	628000	930000	1300	1700	14.00
22230 CW33	53530 H	-	150	270	73	738000	1100000	1200	1600	17.27
22230 KMBW33	113530 H	H3130	150	270	73	738000	1100000	1200	1600	17.36
22230 MBW33	3530 H	-	150	270	73	738000	1100000	1200	1600	17.72
22230 CAW33	3530 H	-	150	270	73	738000	1100000	1200	1600	17.72

ISO	GOST	SLEEVE NO.	Dimensions (mm)			Basic Load Rating (N)		Limiting speed (r/min)		Weight (kg)
								Lubrication		
			d	D	B	Dyn. C	Stat. C ₀	Grease	Oil	
22232 KMBW33	113532 H	H3132	160	290	80	825000	1250000	1000	1400	21.92
22232 MBW33	3532 H	-	160	290	80	825000	1250000	1000	1400	22.00
22232 CAW33	3532 H	-	160	290	80	825000	1250000	1000	1400	22.00
22234 KMBW33	113534 H	H3134	170	310	86	720000	1300000	850	1100	27.00
22234 MBW33	3534 H	-	170	310	86	720000	1300000	850	1100	28.00
22234 CAW33	3534 H	-	170	310	86	720000	1300000	850	1100	28.00
22236 KMBW33	113536 H	H3136	180	320	86	735000	1370000	800	1000	27.00
22236 MBW33	3536 H	-	180	320	86	735000	1370000	800	1000	28.00
22236 CAW33	3536 H	-	180	320	86	735000	1370000	800	1000	28.00
22238 KMBW33	113538 H	H3138	190	340	92	818000	1510000	750	950	36.80
22238 MBW33	3538 H	-	190	340	92	818000	1510000	750	950	37.00
22238 CAW33	3538 H	-	190	340	92	818000	1510000	750	950	37.00
22240 KMBW33	113540 H	H3140	200	360	98	920000	1740000	700	900	42.50
22240 MBW33	3540 H	-	200	360	98	920000	1740000	700	900	43.00
22240 CAW33	3540 H	-	200	360	98	920000	1740000	700	900	43.00
22244 KMBW33	113544 H	H3144	220	400	108	1170000	2220000	630	800	58.00
22244 MBW33	3544 H	-	220	400	108	1170000	2220000	630	800	59.00
22244 CAW33	3544 H	-	220	400	108	1170000	2220000	630	800	59.00
22248 MBW33	3548 H	-	240	440	120	1900000	2980000	890	1180	83.00
22248 CAW33	3548 H	-	240	440	120	1900000	2980000	890	1180	83.00
22252 MBW33	3552 H	-	260	480	130	2270000	3470000	820	1040	103.00
22252 CAW33	3552 H	-	260	480	130	2270000	3470000	820	1040	103.00
22256 MBW33	3556 H	-	280	500	130	1690000	3380000	500	630	109.00
22256 CAW33	3556 H	-	280	500	130	1690000	3380000	500	630	109.00
22308 CW33	53608 H	-	40	90	33	120000	138000	4300	5300	0.994
22308 KCW33	153608 H	H2308	40	90	33	120000	138000	4300	5300	0.978
22308 KMBW33	113608 H	H2308	40	90	33	120000	138000	4300	5300	1.000
22308 MBW33	3608 H	-	40	90	33	120000	138000	4300	5300	1.010
22308 CAW33	3608 H	-	40	90	33	120000	138000	4300	5300	1.010
22309 CW33	53609 H	-	45	100	36	142000	170000	3800	4800	1.340
22309 KCW33	153609 H	H2309	45	100	36	142000	170000	3800	4800	1.332
22309 KMBW33	113609 H	H2309	45	100	36	142000	170000	3800	4800	1.368
22309 MBW33	3609 H	-	45	100	36	142000	170000	3800	4800	1.374
22309 CAW33	3609 H	-	45	100	36	142000	170000	3800	4800	1.374
22310 CW33	53610 H	-	50	110	40	175000	210000	3400	4300	1.780
22310 KCW33	153610 H	H2310	50	110	40	175000	210000	3400	4300	1.760
22310 KMBW33	113610 H	H2310	50	110	40	175000	210000	3400	4300	1.820
22310 MBW33	3610 H	-	50	110	40	175000	210000	3400	4300	1.850
22310 CAW33	3610 H	-	50	110	40	175000	210000	3400	4300	1.850
22311 CW33	53611 H	-	55	120	43	208000	250000	3000	3800	2.250
22311 KCW33	153611 H	H2311	55	120	43	208000	250000	3000	3800	2.234
22311 KMBW33	113611 H	H2311	55	120	43	208000	250000	3000	3800	2.260
22311 MBW33	3611 H	-	55	120	43	208000	250000	3000	3800	2.310
22311 CAW33	3611 H	-	55	120	43	208000	250000	3000	3800	2.310
22312 CW33	53612 H	-	60	130	46	238000	285000	2800	3600	2.788
22312 KCW33	153612 H	H2312	60	130	46	238000	285000	2800	3600	2.721
22312 KMBW33	113612 H	H2312	60	130	46	238000	285000	2800	3600	2.772
22312 MBW33	3612 H	-	60	130	46	238000	285000	2800	3600	2.860
22312 CAW33	3612 H	-	60	130	46	238000	285000	2800	3600	2.860
22313 CW33	53613 H	-	65	140	48	260000	315000	2400	3200	3.520
22313 KCW33	153613 H	H2313	65	140	48	260000	315000	2400	3200	3.412
22313 KMBW33	113613 H	H2313	65	140	48	260000	315000	2400	3200	3.420
22313 MBW33	3613 H	-	65	140	48	260000	315000	2400	3200	3.468
22313 CAW33	3613 H	-	65	140	48	260000	315000	2400	3200	3.468
22314 CW33	53614 H	-	70	150	51	292000	362000	2200	3000	4.206
22314 KCW33	153614 H	H2314	70	150	51	292000	362000	2200	3000	4.190
22314 KMBW33	113614 H	H2314	70	150	51	292000	362000	2200	3000	4.204
22314 MBW33	3614 H	-	70	150	51	292000	362000	2200	3000	4.280
22314 CAW33	3614 H	-	70	150	51	292000	362000	2200	3000	4.280

ISO	GOST	SLEEVE NO.	Dimensions (mm)			Basic Load Rating (N)		Limiting speed (r/min)		Weight (kg)
			d	D	B	Dyn. C	Stat. C ₀	Lubrication		
								Grease	Oil	
22315 CW33	53615 H	-	75	160	55	342000	438000	2000	2800	5.108
22315 KCW33	153615 H	H2315	75	160	55	342000	438000	2000	2800	5.031
22315 KMBW33	113615 H	H2315	75	160	55	342000	438000	2000	2800	5.052
22315 MBW33	3615 H	-	75	160	55	342000	438000	2000	2800	5.220
22315 CAW33	3615 H	-	75	160	55	342000	438000	2000	2800	5.220
22316 CW33	53616 H	-	80	170	58	385000	498000	1900	2600	6.090
22316 KCW33	153616 H	H2316	80	170	58	385000	498000	1900	2600	6.012
22316 KMBW33	113616 H	H2316	80	170	58	385000	498000	1900	2600	6.120
22316 MBW33	3616 H	-	80	170	58	385000	498000	1900	2600	6.130
22316 CAW33	3616 H	-	80	170	58	385000	498000	1900	2600	6.130
22317 CW33	53617 H	-	85	180	60	420000	540000	1800	2400	6.840
22317 KCW33	153617 H	H2317	85	180	60	420000	540000	1800	2400	6.776
22317 KMBW33	113617 H	H2317	85	180	60	420000	540000	1800	2400	6.780
22317 MBW33	3617 H	-	85	180	60	420000	540000	1800	2400	6.942
22317 CAW33	3617 H	-	85	180	60	420000	540000	1800	2400	6.942
22318 CW33	53618 H	-	90	190	64	475000	622000	1800	2400	8.392
22318 KCW33	153618 H	H2318	90	190	64	475000	622000	1800	2400	8.201
22318 KMBW33	113618 H	H2318	90	190	64	475000	622000	1800	2400	8.388
22318 MBW33	3618 H	-	90	190	64	475000	622000	1800	2400	8.552
22318 CAW33	3618 H	-	90	190	64	475000	622000	1800	2400	8.552
22319 CW33	53619 H	-	95	200	67	520000	688000	1700	2200	9.964
22319 KCW33	153619 H	H2319	95	200	67	520000	688000	1700	2200	9.210
22319 KMBW33	113619 H	H2319	95	200	67	520000	688000	1700	2200	9.872
22319 MBW33	3619 H	-	95	200	67	520000	688000	1700	2200	9.998
22319 CAW33	3619 H	-	95	200	67	520000	688000	1700	2200	9.998
22320 CW33	53620 H	-	100	215	73	608000	815000	1400	1800	12.36
22320 KCW33	153620 H	H2320	100	215	73	608000	815000	1400	1800	11.87
22320 KMBW33	113620 H	H2320	100	215	73	608000	815000	1400	1800	12.62
22320 MBW33	3620 H	-	100	215	73	608000	815000	1400	1800	12.71
22320 CAW33	3620 H	-	100	215	73	608000	815000	1400	1800	12.71
22322 KMBW33	113622 H	H2322	110	240	80	695000	935000	1500	1900	17.27
22322 MBW33	3622 H	-	110	240	80	695000	935000	1500	1900	17.34
22322 CAW33	3622 H	-	110	240	80	695000	935000	1500	1900	17.34
22324 KMBW33	113624 H	H2324	120	260	86	822000	1120000	1300	1700	21.00
22324 MBW33	3624 H	-	120	260	86	822000	1120000	1300	1700	22.00
22324 CAW33	3624 H	-	120	260	86	822000	1120000	1300	1700	22.00
22326 KMBW33	113626 H	H2326	130	280	93	942000	1300000	1200	1600	27.00
22326 MBW33	3626 H	-	130	280	93	942000	1300000	1200	1600	28.50
22326 CAW33	3626 H	-	130	280	93	942000	1300000	1200	1600	28.50
22328 KMBW33	113628 H	H2328	140	300	102	1100000	1570000	1100	1500	33.80
22328 MBW33	3628 H	-	140	300	102	1100000	1570000	1100	1500	34.50
22328 CAW33	3628 H	-	140	300	102	1100000	1570000	1100	1500	34.50
22330 KMBW33	113630 H	H2330	150	320	108	1020000	1740000	850	1100	40.60
22330 MBW33	3630 H	-	150	320	108	1020000	1740000	850	1100	41.50
22330 CAW33	3630 H	-	150	320	108	1020000	1740000	850	1100	41.50
22332 KMBW33	113632 H	H2332	160	340	114	1040000	1770000	800	1000	48.00
22332 MBW33	3632 H	-	160	340	114	1040000	1770000	800	1000	50.00
22332 CAW33	3632 H	-	160	340	114	1040000	1770000	800	1000	50.00
22334 KMBW33	113634 H	H2334	170	360	120	1150000	2060000	750	950	58.50
22334 MBW33	3634 H	-	170	360	120	1150000	2060000	750	950	59.00
22334 CAW33	3634 H	-	170	360	120	1150000	2060000	750	950	59.00
22336 KMBW33	113636 H	H2336	180	380	126	1260000	2270000	700	900	68.50
22336 MBW33	3636 H	-	180	380	126	1260000	2270000	700	900	70.00
22336 CAW33	3636 H	-	180	380	126	1260000	2270000	700	900	70.00
22338 KMBW33	113638 H	H2338	190	400	132	1390000	2530000	670	850	79.40
22338 MBW33	3638 H	-	190	400	132	1390000	2530000	670	850	80.00
22338 CAW33	3638 H	-	190	400	132	1390000	2530000	670	850	80.00
22340 KMBW33	113640 H	H2340	200	420	138	1490000	2720000	630	800	91.40
22340 MBW33	3640 H	-	200	420	138	1490000	2720000	630	800	93.00

ISO	GOST	SLEEVE NO.	Dimensions (mm)			Basic Load Rating (N)		Limiting speed (r/min)		Weight (kg)
								Lubrication		
			d	D	B	Dyn. C	Stat. C ₀	Grease	Oil	
22340 CAW33	3640 H	-	200	420	138	1490000	2720000	630	800	93.00
22344 KMBW33	113644 H	H2344	220	460	145	1690000	3200000	560	700	115.00
22344 MBW33	3644 H	-	220	460	145	1690000	3200000	560	700	117.00
22344 CAW33	3644 H	-	220	460	145	1690000	3200000	560	700	117.00
22352 MBW33	3652 H	-	260	540	165	2200000	4190000	480	600	187.00
22352 CAW33	3652 H	-	260	540	165	2200000	4190000	480	600	187.00
22356 MBW33	3656 H	-	280	580	175	2420000	4650000	450	560	229.00
22356 CAW33	3656 H	-	280	580	175	2420000	4650000	450	560	229.00
22380 MBW33	3680 H	-	400	820	243	4530000	9290000	240	320	653.00
22380 CAW33	3680 H	-	400	820	243	4530000	9290000	240	320	653.00
23030 MBW33	3003130 H	-	150	225	56	438000	762000	1100	1400	7.818
23030 CAW33	3003130 H	-	150	225	56	438000	762000	1100	1400	7.818
23032 MBW33	3003132 H	-	160	240	60	500000	875000	1000	1300	9.520
23032 CAW33	3003132 H	-	160	240	60	500000	875000	1000	1300	9.520
23034 MBW33	3003134 H	-	170	260	67	608000	1080000	900	1200	13.29
23034 CAW33	3003134 H	-	170	260	67	608000	1080000	900	1200	13.29
23036 MBW33	3003136 H	-	180	280	74	710000	1260000	800	1000	17.36
23036 CAW33	3003136 H	-	180	280	74	710000	1260000	800	1000	17.36
23038 MBW33	3003138 H	-	190	290	75	745000	1350000	800	1000	17.76
23038 CAW33	3003138 H	-	190	290	75	745000	1350000	800	1000	17.76
23040 MBW33	3003140 H	-	200	310	82	580000	1310000	670	850	23.59
23040 CAW33	3003140 H	-	200	310	82	580000	1310000	670	850	23.59
23044 MBW33	3003144 H	-	220	340	90	633000	171000	670	850	30.50
23044 CAW33	3003144 H	-	220	340	90	633000	171000	670	850	30.50
23048 MBW33	3003148 H	-	240	360	92	792000	2060000	530	670	33.00
23048 CAW33	3003148 H	-	240	360	92	792000	2060000	530	670	33.00
23052 MBW33	3003152 H	-	260	400	104	1000000	2450000	500	630	47.00
23052 CAW33	3003152 H	-	260	400	104	1000000	2450000	500	630	47.00
23056 MBW33	3003156 H	-	280	420	106	1080000	2680000	450	560	51.00
23056 CAW33	3003156 H	-	280	420	106	1080000	2680000	450	560	51.00
23060 MBW33	3003160 H	-	300	460	118	1860000	3690000	670	850	71.00
23060 CAW33	3003160 H	-	300	460	118	1860000	3690000	670	850	71.00
23064 MBW33	3003164 H	-	320	480	121	1380000	3260000	400	500	77.00
23064 CAW33	3003164 H	-	320	480	121	1380000	3260000	400	500	77.00
23068 MBW33	3003168 H	-	340	520	133	1580000	3810000	380	480	109.00
23068 CAW33	3003168 H	-	340	520	133	1580000	3810000	380	480	109.00
23120 MBW33	3003720 H	-	100	165	52	320000	505000	1600	2000	4.480
23120 CAW33	3003720 H	-	100	165	52	320000	505000	1600	2000	4.480
23122 MBW33	3003722 H	-	110	180	56	375000	595000	1300	1700	5.471
23122 CAW33	3003722 H	-	110	180	56	375000	595000	1300	1700	5.471
23220 MBW33	3003220 H	-	100	180	60.3	415000	618000	1600	2000	6.624
23220 CAW33	3003220 H	-	100	180	60.3	415000	618000	1600	2000	6.624
23244 MBW33	3003244 H	-	220	400	144	2070000	3620000	670	900	79.00
23244 CAW33	3003244 H	-	220	400	144	2070000	3620000	670	900	79.00
23264 MBW33	3003264 H	-	320	580	208	3760000	6570000	480	610	241.00
23264 CAW33	3003264 H	-	320	580	208	3760000	6570000	480	610	241.00