



# Shaker/Vibreting Screen Bearings



HTB designed special spherical roller bearings - MAC4F80 -to operate under severe conditions. Special HTB spherical roller bearings for vibrating equipment are available in 22300 and 23300 series. The clearance is similar to C4, but the lower third of C4 range is eliminated for better control of the bearing clearance after mounting

## Product Highlights

Very high load carrying capacity.

Robust design.

Reduced friction and minimum heat generation.

# Shaker/Vibrating Screen Bearings

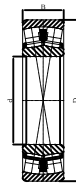
Bearings in these applications are subjected to very severe operating conditions. The shaking actions of vibrating equipment subject the bearings to very heavy loads, including impact loads. Additional load is created by higher "g" forces generated by acceleration in the application.

Bearings are higher speed operated. Much more these bearings are subject to contaminated environments. HTB designed special spherical roller bearings MAC4F80 -to operate under severe conditions. Special UST spherical roller bearings for vibrating equipment are available in 22300 and 23300 series. The clearance is similar to C4, but the lower third of C4 range is eliminated for better control of the bearing clearance after mounting.

## Applications

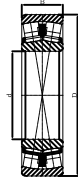
- Require Precision
- Bearings takes extra load
- High rotation speed
- Bearings are subject for shaft and housing deflection
- Contaminated area

# Shaker/Vibrating Screen Bearings



Bearing Designation	Principal Dimensions			Basic Load Ratings		Limiting Speed	Mass
	d	D	B	Dynamic	Static		
	mm			C (kN)	CO (kN)	rpm	kg
22208MAC4F80W33	40	80	23	150	140		
22308MAC4F80W33	40	90	33	183	183	8.0	1.050
22309MAC4F80W33	45	100	36	220	224	7.0	1.400
22310MAC4F80W33	50	110	40	270	280	6.3	1.900
22211MAC4F80W33	55	100	25	310	335		
22311MAC4F80W33	55	120	43	340	360	5.6	2.450
22312MAC4F80W33	60	130	46	400	430	5.3	3.100
22213MAC4F80W33	65	120	31	440	475		
22313MAC4F80W33	65	140	48	490	540	5.0	3.750
22314MAC4F80W33	70	150	51	550	620	4.5	4.550
22315MAC4F80W33	75	160	55	610	695	4.3	5.550
22316MAC4F80W33	80	170	58	670	765	4.0	6.600
22317MAC4F80W33	85	180	60	815	950	3.8	7.650
22318MAC4F80W33	90	190	64	950	1120	3.6	9.050
22319MAC4F80W33	95	200	67	965	1120	3.4	10.500
22320MAC4F80W33	100	215	73	1120	1320	3.0	13.500
23222MAC4F80W33	110	200	69.8	1290	1560		
22322MAC4F80W33	110	240	80	1460	1760	2.8	18.400
22324MAC4F80W33	120	260	86	1600	1960	2.6	23.000
22226MAC4F80W33	130	230	64	1760	2160		
22326MAC4F80W33	130	280	93	2000	2450	2.4	29.000
22328MAC4F80W33	140	300	102	2120	2650	2.2	36.500
23328MAC4F80W33	140	300	118	2320	2900		

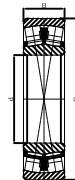
# Shaker/Vibrating Screen Bearings



Bearing Designation	Principal Dimensions			Basic Load Ratings		Limiting Speed	Mass
	d	D	B	Dynamic	Static		
	mm			C (kN)	CO (kN)	rpm	kg
22330MAC4F80W33	150	320	108	1460	1760	2.0	43.500
22332MAC4F80W33	160	340	114	1600	1960	1.9	52.000
23332MAC4F80W33	160	340	136				
22334MAC4F80W33	170	360	120	1760	2160	1.8	61.000
22336MAC4F80W33	180	380	126	2000	2450	1.7	71.500
22338MAC4F80W33	190	340	120	2120	2650	1.6	82.500
23238MAC4F80W33	190	400	132				
22340MAC4F80W33	200	420	138	2320	2900	1.5	95.000

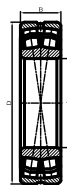
452308 M2/W502	40	90	33	107	112	8.0	1.000
452309 M2/W502	45	100	36	133	150	7.0	1.350
452310 M2/W502	50	110	40	168	186	6.3	1.850
452311 M2/W502	55	120	43	199	232	6.0	2.350
452312 M2/W502	60	130	46	235	280	5.3	2.950
452313 M2/W502	65	140	48	258	305	5.0	3.550
452314 M2/W502	70	150	51	299	360	4.5	4.300
452316 M2/W502	80	170	58	374	465	4.0	6.100
452317 M2/W502	85	180	60	408	490	3.8	7.250
452318 M2/W502	90	190	64	460	570	3.6	8.600
452319 M2/W502	95	200	67	518	670	3.4	10.000
452320 M2/W502	100	215	73	610	800	3.2	13.000
452322 M2/W502	110	240	80	725	965	2.8	18.000
452324 M2/W502	120	260	86	845	1140	2.6	22.000

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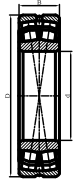
Bearing Designation	Principal Dimensions			Basic Load Ratings		Limiting Speed	Mass
	d	D	B	Dynamic	Static		
	mm			C (kN)	CO (kN)	rpm	kg
<b>452326 M2/W502</b>	130	280	93	978	1320	2.4	28.500
<b>452328 M2/W502</b>	140	300	102	1130	1560	2.2	34.500
<b>452330 M2/W502</b>	150	320	108	1290	1800	2.0	41.500
<b>452332 M2/W502</b>	160	340	114	1400	1960	1.9	50.000
<b>452340 M2/W502</b>	200	420	138	1020	2900	1.5	93.000
<b>453322 M2/W502</b>	110	240	92.1	817	1100	2.8	20.500
<b>453324 M2/W502</b>	120	260	106	978	1340	2.6	27.000
<b>453328 M2/W502</b>	140	300	118	1240	1730	2.2	40.900
<b>453332 M2/W502</b>	160	340	136	1640	2400	1.9	60.200
<b>453322 EJA/VA405</b>	110	240	92.1	950	1120	2.8	20.500
<b>453324 CCJA/VA405</b>	120	260	106	965	1120	2.6	27.000
<b>453326 CCJA/VA405</b>	130	280	112	1120	1320	2.4	35.500
<b>453328 CCJA/VA405</b>	140	300	118	1290	1560	2.2	40.900
<b>453330 CCJA/VA405</b>	150	320	128	1460	1760	2.0	47.500
<b>453332 CCJA/VA405</b>	160	340	136	1600	1960	1.9	60.200

# Printing Press Bearings



Bearing Designation	Principal Dimensions			Basic Load Ratings		Mass
	d	D	B	Dynamic	Static	
	mm			C (kN)	CO (kN)	kg
22209 CCK/VA759	45	85	23.0	138	160	1.350
22211 EK/VA751	55	100	25.0	99	118	0.820
22212 EK/VA751	60	110	28.0	122	146	1.100
22212 EK/VA7582+	60	110	28.0	122	146	1.100
22220 VAE	100	180	46.0	311	415	4.850
22220 EK/VA751	100	180	46.0	425	490	4.800
22230 VAB	150	270	73.0	736	1080	18.000
22309 EK/VA751	45	100	36.0	138	160	1.350
22310 EK/VA751	50	110	40.0	176	200	1.850
22311 EK/VA751	55	120	43.0	199	232	2.350
22312 EK/VA751	60	130	46.0	235	280	2.950
22312 EK/VA7582	60	130	46.0	235	280	2.950
22312 EK/VA7583	60	130	46.0	235	280	2.950
22315 CCK/VA755	75	160	55.0	345	430	5.250
22315 VAE	75	160	55.0	345	430	5.250
22315 VAH	75	160	55.0	345	430	5.250
22319 VAC	95	200	67.0	518	670	10.000
23122 VAF	110	180	56.0	374	585	5.450
23124 VAA	120	200	62.0	437	695	7.800
23130 VAA++	151	250	80.0	725	1200	16.000
23220 VAA	100	180	60.3	414	600	6.700
ECB 23220 VAA	100	180	60.3	414	600	6.700
23222 CCK/VA756	110	200	69.8	518	765	9.700

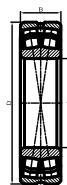
# Printing Press Bearings



Bearing Designation	Principal Dimensions			Basic Load Ratings		Mass
	d	D	B	Dynamic	Static	
	mm			C (kN)	CO (kN)	kg
<b>23226 VAD</b>	130	230	80.0	690	1060	14.000
<b>453538</b>	50	90	23.0	84.5	100	0.600
<b>454548</b>	130	210	64.0	489	780	8.550
<b>458681</b>	85	150	36.0	210	270	2.550
<b>465123</b>	80	140	33.0	176	228	2.050
<b>466144</b>	110	180	56.0	374	585	5.450
<b>466144A**</b>	110	180	56.0	374	585	5.450
<b>466713</b>	150	270	96.0	937	1460	24.000
<b>466816</b>	130	230	80.0	690	1060	14.000
<b>466817</b>	140	250	88.0	799	1250	18.500
<b>466915</b>	75	160	55.0	345	430	5.250
<b>467304</b>	70	150	51.0	311	380	4.300
<b>467311</b>	80	170	58.0	374	455	6.200
<b>467315</b>	85	180	60.0	420	520	7.250
<b>467418</b>	90	160	40.0	253	340	3.250
<b>468043</b>	110	200	69.8	518	765	9.700
<b>468603</b>	110	200	53.0	408	560	7.000



# Printing Press Bearings



Bearing Designation	Principal Dimensions			Basic Load Ratings		Mass
	d	D	B	Dynamic	Static	
	mm			C (kN)	CO (kN)	kg
I-26310 CAM2/W33*	200	380	126	1730	2700	68.000
I-26311 CAM2/W33*	220	420	138	2070	3200	90.500
I-28809 CAM2/W33*	190	280	67	644	1140	15.000
I-28814 CAM2/W33*	240	350	83	978	1830	27.500
I-28821 CAM2/W33*	310	455	109	1680	3250	66.000
I-37611 CAM2/W33**	220	420	138	2070	3200	90.500
I-37617 CA/W33**	340	640	190	4080	6550	150.000
I-112618 CA/W33**	250	410	128	1760	3100	68.000
ECBI-112630 CAC/W33**	350	590	192	3740	6800	220.000

