

WBDF®



WBDF® BEARINGS



山东省临清市三通轴承有限公司

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SPHERICAL ROLLER BEARINGS 调心滚子轴承

公司
简介
Company
profile

三通轴承有限公司成立于2008年8月是一家以轴承为主，集研发、生产、销售为一体的轴承制造企业。配备现代化的生产设备及先进的设备，专业生产调心滚子轴承，三通轴承产品广泛应用于冶金、矿山、石油、化工、煤炭、水泥、造纸、风电、重型机械、工程机械、港口机械等行业的配套产品。

产品销往全国各省、市，创造自己的精品轴承，是三通人永恒不变的追求。公司将振兴民族工业作为最高使命，以自身发展影响和带动地方经济的振兴，促进公司与社会、自然的协调、和谐发展。

公司始终真心服务、精心打造。的经营理念，以诚信、公平的原则与国内外客户合作。

Santong Bearing Co., Ltd. was established in August 2008 as a bearing manufacturing company that focuses on bearings and integrates research and development, production, and sales. Equipped with modern production equipment and advanced equipment, professional production of heart adjusting roller bearings, Santong bearings are widely used in metallurgical, mining, petroleum, chemical, coal, cement, papermaking, wind power, heavy machinery, engineering machinery, port machinery and other industries. The products are sold to all provinces and cities in the country to create their own fine bearings. It is the eternal pursuit of the three people. The company will revitalize the national industry as the highest mission, with its own development impact and drive the revitalization of the local economy, to promote the coordination and harmonious development of the company with society and nature.

The company has always been sincere service, carefully built, business philosophy, with the principle of integrity, fair cooperation with domestic and foreign customers.

WBDF[®] BEARINGS



产品展示

Bearing display



产品特性

- ★ 适用于高振动状况
- ★ 采用最新贝氏体淬火
- ★ 载荷能力更高
- ★ 更低的工作温度
- ★ 更长时间的润滑寿命

调心滚子轴承

调心滚子轴承是在有两条滚道的内圈和滚道为球面的外圈之间，组装着鼓形滚子的轴承。这类轴承分单、双列调心滚子轴承，有E、CA型，CC型、M型和密封型。主要应用在矿山和大型输送设备领域，石油和天然气的开采和生产领域。Spherical roller bearing is in the two race between inner ring and groove for spherical outer ring, assembly cylindrical roller bearing. This kind of bearings have single and double row. They have E, CA, cc, M and seal model. Mainly used in the field of mining and large transport equipment, oil and gas exploration and production field.

基本设计 Basic Design

调心滚子轴承在有滚道的内圈和滚道为球面的外圈之间，装配有鼓形滚子的轴承。外圈滚道的曲率中心与轴承中心一致，所以具有与自动调心球轴承同样的调心功能。在轴、壳出现挠曲时，可以自动调整，不增加轴承负担。Spherical roller bearings is in a race between inner ring and groove for spherical outer ring, assembled with cylindrical roller bearing. Outer ring raceway curvature center and bearing center consistent, so with automatic self-aligning ball bearing the same heart function. If there is a deflection axis, a hood, can automatically adjust, don't increase the bearing burden.

调心滚子轴承的产品范围包括：开式轴承密封轴承振动机械用轴承

Spherical roller bearing product range includes: open type bearing, seal bearing, vibration machinery bearings

轴承代号：Bearings Code

2 -----类型代号调心滚子轴承

2 -----Type Code Spherical roller bearings

23 -----尺寸系列代号：23系列

23 -----Dimension Series Code: Series 23

10 -----轴承内径尺寸代号：06*5=30mm; 07*5=35mm

10 -----Bearings Inner Diameter Code: 06*5=30mm; 07*5=35mm

CA -----内部结构代号：CA型内圈带小沟底黄铜实体保持器

CA -----Internal structure code CA type is Brass cage with small flange of inner ring

K -----轴承内孔型圆锥孔(孔锥度1:12)

K -----earin innergroove type Taper bore(Taper 1:12)

/W33 -----润滑结构：轴承外圈上有三条润滑油槽和三个油孔

/W33 -----Lubrication structure: There is lubrication groove and three lubrication oil bore on outer ring

/P6 -----精度等级：P6

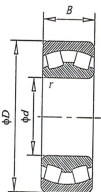
/P6 -----Precision grade P6



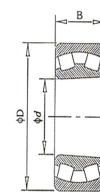
调心滚子轴承代号系统中最常用的后置代号摘录

The list of Spherical roller bearings bearing code system in the rear of the most commonly used code

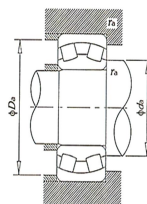
Q	青铜保持器 Bronze Cage	
K	圆锥孔轴承，锥度为1:12 Taper bore bearing, Taper 1:12	W33
K30	圆锥孔轴承，锥度为1:30 Taper bore bearing, Taper 1:30	
N	外圈有自动调心Snap groove on outer ring	W33X
P0	尺寸和滚动精度符合ISO公差等级标准 Dimension and rolling precision meet ISO standard tolerance Level 0	
P6	尺寸和滚动精度符合ISO公差等级标准 Dimension and rolling precision meet ISO standard tolerance Level 6	2RS
P5	尺寸和滚动精度符合ISO公差等级标准 Dimension and rolling precision meet ISO standard tolerance Level 5	RS
C0	基本制，代码可省略 Basic clearance, the code can be omit	S0
C2	小子基本制，代码可省略 Small than basic clearance	S1
C3	游隙比C0大，Clearance bigger than C0	
C4	游隙比C3大，Clearance bigger than C3	S2
C5	游隙比C4大，Clearance bigger than C4	
C9	特殊游隙，一般为客户指定或特殊工艺要求 Special clearance, normally customized by client or special industrial condition requirement	S3
W20	轴承外圈上有三个润滑油孔，无润滑油槽。 On the bearing outer ring has three lubrication oil hole, no lubrication groove	S4
W26	轴承外圈上有一个润滑油孔，无润滑油槽。 On the bearing outer ring has one lubrication oil hole, no lubrication groove	X2



圆柱孔20000型



圆锥孔(1:12)20000K型



轴承代号 Bearing No.		外形尺寸 (mm) Boundary Dimensions		安装尺寸 Installation Dimension		基本额定负荷 (kN) Basic Load Rating		极限转速 (r/min) Limit Rotational Speed		重 (KG) Weight		
新代号New	旧代号Old	内径d	外径D	宽度B	内径da	外径Da	宽度Ra	动态负荷 Dynamic Cr	静态负荷 Static Cor	脂润滑Grease Lubrication	油润滑Oil Lubrication	≈
22205/20E		20	52	18	25.6	46.4	1	45.1	40.5	11050	14450	0.28
22205MB/W33	53505	25	52	18	30.6	46.4	1	45.1	40.5	11050	14450	0.26
22206MB/W33	53506	30	62	20	35.6	56.4	1	58.9	55.2	8500	11900	0.29
22207MB/W33	53507	35	72	23	42	65	1	79.6	78.2	7650	10200	0.43
22208MB/W33	53508	40	80	23	47	73	1	88.8	82.8	6800	9350	0.55
22209MB/W33	53509	45	85	23	52	78	1	93.8	90.1	6375	8500	0.59
22210MB/W33	53510	50	90	23	57	83	1	95.7	99.4	5950	8075	0.87
22211MB/W33	53511	55	100	25	64	91	1.5	115.6	116.8	5355	7225	0.88
22212MB/W33	53512	60	110	28	69	101	1.5	143.6	182.7	4760	6375	1.22
22213MB/W33	53513	65	120	31	74	111	1.5	178	199	4250	5950	1.63
22214MB/W33	53514	70	125	31	79	116	1.5	191	210	4250	5695	1.66
22215MB/W33	53515	75	130	31	84	121	1.5	195	221	4080	5355	1.75
22216MB/W33	53516	80	140	33	90	130	2	217	249	3655	5100	2.2
22217MB/W33	53517	85	150	36	95	140	2	362	299	3400	4760	2.8
22218MB/W33	53518	90	160	40	100	150	2	299	345	3230	4505	4
22219MB/W33	53519	95	170	43	107	158	2	350	414	3060	4080	4.2
22220MB/W33	53520	100	180	60.3	112	168	2	391	451	2890	3825	5
22222MB/W33	53522	110	200	53	122	188	2	515	589	2550	3400	7.4
22224MB/W33	53524	130	215	58	132	203	2	580	704	2380	3230	9.2
22226MB/W33	53526	130	230	64	144	216	2.5	680	860	2210	3060	11.2
22228MB/W33	53528	140	250	68	154	236	2.5	650	830	2040	2720	14.5
22230MB/W33	53530	150	270	73	164	256	2.5	780	990	1870	2550	18.5
22232MB/W33	53532	160	290	80	174	276	2.5	1290	920	1700	2380	22
22234MB/W33	53534	180	310	86	188	292	3	1030	1340	1615	2210	29
22236MB/W33	53536	180	320	86	198	302	3	1080	1430	1530	2210	30
22238MB/W33	53538	190	340	92	208	322	3	1170	1500	1455	2040	35.3
22240MB/W33	53540	200	360	4	218	342	3	1350	1780	1360	1870	47.7
22244MB/W33	53544	220	400	108	237	383	3	1620	2170	1275	1700	60.5

专业生产中高端调心滚子轴承



Spherical Roller Bearings

Spherical Roller Bearings



轴承代号 Bearing No.		外形尺寸 (mm) Boudary Dimensions			安装尺寸 Installation Dimension			基本额定负荷 (kN) Basic Load Rating		极限转速 (r/min) Limit Rotational Speed		重 (KG) Weight
新代号New	旧代号Old	内径d	外径D	宽度B	内径da	外径Da	宽度Da	动负荷 Dynamic Cr	静负荷 Static Cor	脂润滑Grease Lubrication	油润滑Oil Lubrication	≈
21305MB/W33	53305	25	62	17	32	55	1	41.4	41.5	7225	10200	0.28
21306MB/W33	53306	30	72	19	37	65	1	50	56	6375	8500	0.41
21307MB/W33	53307	35	80	21	44	71	1.5	60	66	5695	8075	0.55
21308MB/W33	53308	40	90	23	49	81	1.5	95.7	98.4	5960	8075	0.71
21309MB/W33	53309	45	100	25	54	91	1.5	115	116.8	5355	7225	0.95
21310MB/W33	53310	50	110	27	61	99	2	143.5	153	4760	6370	1.35
21311MB/W33	53311	55	120	29	65	110	2	143.5	152.7	4760	6375	1.6
21312MB/W33	53312	60	130	31	72	118	2	195	220	4080	5355	1.95
21313MB/W33	53313	65	140	33	77	128	2	217	248	3655	5100	2.45
21314MB/W33	53314	70	150	35	82	138	2	262	299	3400	4760	3
21315MB/W33	53315	75	160	37	87	148	2	262	300	3400	4760	3.55
21316MB/W33	53316	80	170	39	92	158	2	299	345	3230	4505	4.2
21317MB/W33	53317	85	180	41	99	166	2.5	299	345	3230	4505	5
21318MB/W33	53318	90	190	43	104	176	2.5	650	414	3060	4080	5.8
21319MB/W33	53319	95	200	45	109	186	2.5	391	451	2890	3825	7.15
21320MB/W33	53320	100	215	47	114	201	2.5	391	451	2890	3825	8.8

轴承代号 Bearing No.		外形尺寸 (mm) Boudary Dimensions			安装尺寸 Installation Dimension			基本额定负荷 (kN) Basic Load Rating		极限转速 (r/min) Limit Rotational Speed		重 (KG) Weight
新代号New	旧代号Old	内径d	外径D	宽度B	内径da	外径Da	宽度Da	动负荷 Dynamic Cr	静负荷 Static Cor	脂润滑Grease Lubrication	油润滑Oil Lubrication	≈
22308MB/W33	53308	40	90	33	49	81	1.50	138	128.8	5100	6800	1.1
22309MB/W33	53309	45	100	35	54	89	1.50	168	168	4505	5950	1.4
22310MB/W33	53310	50	110	40	60	100	2.00	202.4	206.1	4760	6375	1.9
22311MB/W33	53311	55	120	43	65	110	2.00	284.4	257.6	3655	4760	2.4
22312MB/W33	53312	60	130	46	72	118	2.00	285	308	3400	4505	3
22313MB/W33	53313	65	140	48	77	128	2.00	313	331	3230	4250	3.6
22314MB/W33	53314	70	150	51	82	138	2.00	368	396	2890	3825	4.4
22315MB/W33	53315	75	160	55	87	148	2.00	405	437	2720	3655	5.4
22316MB/W33	53316	80	170	58	92	158	2.00	451	497	2550	3400	6.4
22317MB/W33	53317	85	180	60	99	166	2.50	506	570	2380	3230	7.8
22318MB/W33	53318	90	190	64	104	176	2.50	560	640	2210	3060	8.4
22319MB/W33	53319	95	200	67	109	186	2.50	616	704	2210	2890	10.3
22320MB/W33	53320	100	215	73	114	201	2.50	750	874	2040	2890	13
22321MB/W33	53321	110	240	80	124	226	2.50	874	1030	1700	2380	18.1
22324MB/W33	53324	120	260	86	134	246	2.50	888	1030	1700	2210	22
22326MB/W33	53326	130	280	93	148	262	3.00	1030	1210	1530	2040	29
22328MB/W33	53328	140	300	102	158	282	3.00	1190	1430	1445	1870	36
22329MB/W33	53329	150	320	108	168	302	3.00	1340	1620	1360	1870	43
22332MB/W33	53332	160	340	114	178	322	3.00	1530	1800	1275	1615	51
22334MB/W33	53334	170	360	120	188	342	3.00	1620	1990	1190	1530	60
22336MB/W33	53336	180	380	126	198	362	3.00	1840	2250	1105	1445	70
22338MB/W33	53338	190	400	132	212	378	4.00	1950	2440	1020	1360	81
22340MB/W33	53340	200	420	138	222	398	4.00	2130	2670	1020	1275	94

轴承代号 Bearing No.		外形尺寸 (mm) Boudary Dimensions			安装尺寸 Installation Dimension			基本额定负荷 (kN) Basic Load Rating		极限转速 (r/min) Limit Rotational Speed		重 (KG) Weight
新代号New	旧代号Old	内径d	外径D	宽度B	内径da	外径Da	宽度Da	动负荷 Dynamic Cr	静负荷 Static Cor	脂润滑Grease Lubrication	油润滑Oil Lubrication	≈
23126MB/W33	3053726	130	210	64	140	200	2	515	718	2040	2720	8.55
23128MB/W33	3053728	140	225	68	152	213	2	580	830	1870	2380	10.5
23130MB/W33	3053730	150	250	80	162	238	2	760	1100	1700	2210	16
23132MB/W33	3053732	160	270	86	172	258	2	800	1260	1615	2040	20.5
23134MB/W33	3053734	170	280	88	182	268	2	962	1380	1530	2040	21.5
23136MB/W33	3053736	180	300	96	194	286	2.5	1100	1620	1445	1870	27.5
23138MB/W33	3053738	190	320	104	204	306	2.5	1260	1910	1275	1700	34.5
23140MB/W33	3053740	200	340	112	214	326	2.5	1470	2170	1275	1615	42.5
23144MB/W33	3053744	220	370	120	237	353	3	1650	2530	1105	1445	53.5

专业生产中高端调心滚子轴承

轴承代号 Bearing No.		外形尺寸 (mm) Boudary Dimensions			安装尺寸 Installation Dimension			基本额定负荷 (kN) Basic Load Rating		极限转速 (r/min) Limit Rotational Speed		重 (KG) Weight
新代号New	旧代号Old	内径d	外径D	宽度B	内径da	外径Da	宽度Da	动负荷 Dynamic Cr	静负荷 Static Cor	脂润滑Grease Lubrication	油润滑Oil Lubrication	≈
23022MB/W33	3053220	110	170	45	120	160	2	285	404	2890	3655	3.75
23024MB/W33	3053124	120	180	46	130	170	2	327	469	2720	3400	4.3
23026MB/W33	3053126	130	200	52	140	190	2	396	561	2380	3060	6.3
23028MB/W33	3053128	140	210	53	150	200	2	430	620	2210	2890	6.7
23030MB/W33	3053130	150	225	56	162	213	2	470	690	2040	2720	8.14
23032MB/W33	3053132	160	240	60	172	228	2	540	810	2040	2550	20.5
23034MB/W33	3053134	170	260	67	182	248	2	650	790	1870	2380	13.1
23036MB/W33	3053136	180	280	74	192	268	2	760	1150	1700	2210	14.4
23038MB/W33	3053138	190	290	75	202	278	2	790	1230	1615	2040	18.4
23040MB/W33	3053140	200	310	82	212	298	2	920	14100	1530	1870	23.4
23044MB/W33	3053144	220	340	90	233	327	2.5	1120	1710	1360	1700	33.5

轴承代号 Bearing No.		外形尺寸 (mm) Boudary Dimensions			安装尺寸 Installation Dimension			基本额定负荷 (kN) Basic Load Rating		极限转速 (r/min) Limit Rotational Speed		重 (KG) Weight
新代号New	旧代号Old	内径d	外径D	宽度B	内径da	外径Da	宽度Da	动负荷 Dynamic Cr	静负荷 Static Cor	脂润滑Grease Lubrication	油润滑Oil Lubrication	≈
23218MB/W33	3053218	90	160	52.4	100	150	2	327	405	2380	2390	4.6
23220MB/W33	3053220	100	180	60.3	112	138	2	437	552	2040	2820	6.7
23222MB/W33	3053222	110	200	69.8	122	188	2	552	704	1870	2720	9.7
23224MB/W33	3053224	120	215	76	132	203	2	639	856	1700	2380	12
23226MB/W33	3053226	130	230	80	144	216	2.5	720	970	1615	2210	14
23228MB/W33	3053228	140	250	88	154	236	2.5	840	1150	1445	2040	18.5
23230MB/W33	3053230	150	270	96	164	256	2.5	990	1340	1360	1870	24
23232MB/W33	3053232	160	280	104	174	276	2.5	1200	1530	1275	1870	30
23234MB/W33	3053234	180	310	110	188	292	3	1220	1780	1190	1700	36.5
23236MB/W33	3053236	180	320	112	198	302	3	1380	1950	1105	1615	69
23238MB/W33	3053238	190	340	120	208	322	3	1530	2210	1105	1530	47.5
23240MB/W33	3053240	200	360	128	218	342	3	1710	2480	1020	1445	57
23244MB/W33	3053244	220	400	144	237	383	3	2170	3170	935	1275	81.5

轴承代号 Bearing No.		外形尺寸 (mm) Boudary Dimensions			安装尺寸 Installation Dimension			基本额定负荷 (kN) Basic Load Rating		极限转速 (r/min) Limit Rotational Speed		重 (KG) Weight
新代号New	旧代号Old	内径d	外径D	宽度B	内径da	外径Da	宽度Da	动负荷 Dynamic Cr	静负荷 Static Cor	脂润滑Grease Lubrication	油润滑Oil Lubrication	≈
24024MB/W33	4053124	120	180	60	130	170	2	396	616	2040	2890	5.4
24026MB/W33	4053126	130	200	69	140	190	2	497	750	1700	2550	7.95
24028MB/W33	4053128	140	210	69	150	200	2	520	830	1700	2380	8.45
24030MB/W33	4053130	150	225	75	162	213	2	600	960	1530	2210	10.5
24032MB/W33	4053132	160	240	80	172	228	2	690	1100	1445	2040	13
24034MB/W33	4053134	180	260	90	182	248	2	860	1340	1360	1870	17.5
24036MB/W33	4053136	180	280	100	192	268	2	990	1590	1275	1870	23
24038MB/W33	4053138	190	290	100	202	278	2	1030	1650	1190	1700	24
24040MB/W33	4053140	200	310	109	212	298	2	1190	1950	1105	1615	30.5
24044MB/W33	4053144	220	340	118	233	327	2.7	1430	2390	1020	1445	40

轴承代号 Bearing No.		外形尺寸 (mm) Boundary Dimensions			安装尺寸 Installation Dimension			基本额定负荷 (kN) Basic Load Rating		极限转速 (r/min) Limit Rotational Speed		重 (KG) Weight
新代号New	旧代号Old	内径d	外径D	宽度B	内径da	外径Da	宽度Da	动负荷 Dynamic Cr	静负荷 Static Cor	脂润滑Grease	油润滑Oil Lubrication	≈
24122M/W33	3053722	110	180	69	120	170	2	478	690	1580	3040	6.85
24123M/W33	3053724	110	180	74	120	170	2	490	724	1610	3210	7.1
24126M/W33	3053726	110	180	89	140	200	2	630	920	1870	3060	11
24128M/W33	3053730	140	225	85	152	213	2	700	1070	1445	2040	13
24130M/W33	3053732	150	250	100	162	238	2	940	1410	1275	1870	19.5
24133M/W33	3053734	160	270	109	172	258	2	1020	1580	1630	1980	21
24134M/W33	3053736	180	280	109	182	268	2	1120	1710	1115	1615	26.5
24136M/W33	3053738	180	300	118	194	286	2.5	1290	1990	1105	1445	33.5
24138M/W33	3053740	190	320	128	204	306	2.5	1470	2300	1020	1360	42
24140M/W33	3053742	200	340	140	214	326	3	1610	2580	930	1275	52
24144M/W33	3053744	220	370	150	237	353	3	1950	3080	1050	1360	67

WBDF®
BEARINGS

服务领域 >>>

三通轴承产品广泛应用于冶金、矿山、石油、化工、煤炭、水泥、造纸、风电、重型机械、工程机械、港口机械等行业的配套产品。

