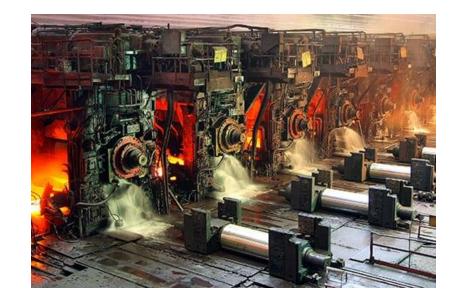




The iron and steel metallurgy industry is an industry with a long history and is the food of industry. Bearings operating in iron and steel metallurgical equipment face high temperature, water vapor, and steel dust. Sheken has been working to make them last longer and reduce downtime due to bearing failure.





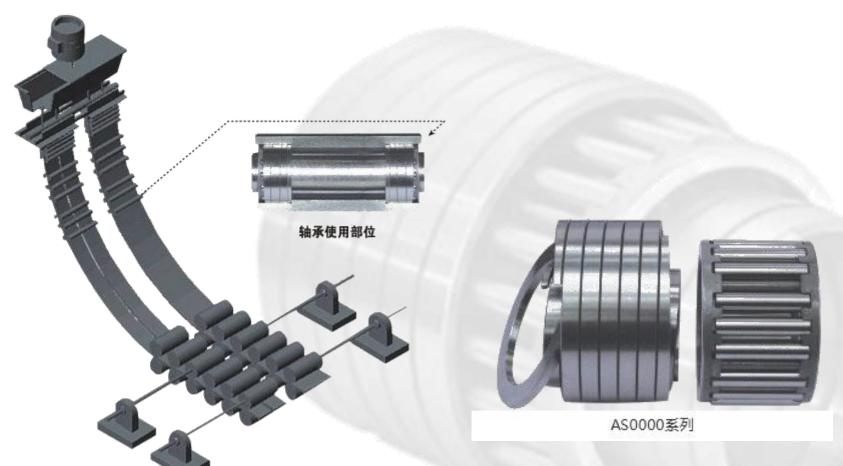
Processes in the iron and steel metallurgy industry



Spiral Roller Bearings









S0000系列





SIRKEN Spiral Roller Bearings

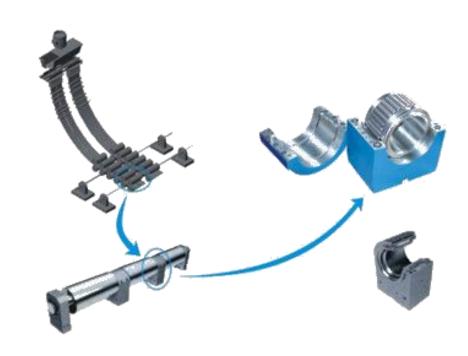
Spiral roller bearings are hollow rollers made of steel strips with special cross-sections, and are divided into left-handed and right-handed. This kind of roller is not widely used, mainly used for spiral roller bearings subjected to shock loads. Spiral roller bearings are mostly used in large steel mills.

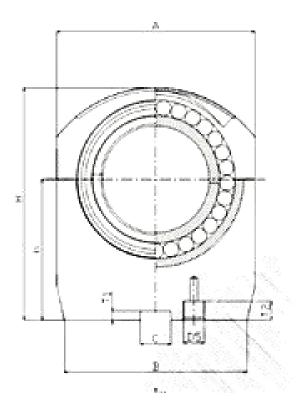
- (1) These bearings are made of spring steel. The annealing temperature of spring steel is 3500°C. Therefore, it is less temperature sensitive than ball bearing steel (100°C6) annealed at 1800°C. The material will lose its hardness extremely when the temperature reaches above the tempering temperature. Therefore, spring steel is more suitable for high temperature operations.
- (2) Spring steel has good elasticity, so it is easy to install. The inner ring can be installed at any position by means of two hook wrenches, and the internal tension of the inner ring can make it fastened on the shaft. It is relatively easy to process the inner ring with a tolerance of h9 or h11 from elastic materials.
- (3) This kind of bearing is durable and is not greatly affected by dirt, iron filings, water and weak acid formed by falling iron powder and water. Thin-walled helical coils leave relatively large space for large-diameter rolling elements. These parts are able to press dirt and foreign matter into the helical gaps of the helical turns by rolling. This keeps the moving surfaces of the bearing clean as it turns.

SIRKEN Water-cooled split bearing









SIRKEN FOR DENIELI (ITALY) MACHINE

We also supply P.N bearing

4.521744.R	5.630071.F
5.624758.Н	4.974083.Q
4.522307.Z	5.630071.F
4.974103.S	5.171285.T
5.630070.K	5.630072.G
4.974110.R	







SIRKEN CARB & SACRB

CARB bearings can also have a compact cross section in conjunction with the high load carrying capacity normally associated with needle roller bearings.

The CARB bearing has the following benefits:

Reduced maintenance
High operation reliability
Long service life
High load carrying capacity
Lower operating costs
Compact design
Enhanced performance
High power density
Typical industrial fan reference stories







SIRKEN ----Rolling Mill Equipment Bearing Series

Over the past few years, we have successively developed small H-shaped steel vertical roll double-row sealed tapered roller bearings, long-life double-row sealed tapered roller bearings for 2050 hot rolling mill vertical roll mills, and four-row tapered roller bearings for 1700 cold rolling mills. Sealed four-row tapered roller bearings for working rolls of 1700 cold rolling mills, four-row tapered roller bearings without spacers for working rolls of 1700 cold rolling mills, idler roller bearings for multi-roll (8 rolls, 12 rolls, 20 rolls) cold rolling mills (Sendzimir bearings), split bearings for converter trunnions, are used by domestic famous steel companies such as high-speed wires, bars, plates, sheets, strips, foils, and profiles in the metallurgical industry to replace imported bearings. Among them, four-row cylindrical roller bearings, four-row tapered roller bearings, and multi-roll cold rolling mill idler bearings are the three pillar products of the company, while 8-roll cold rolling mill idler bearings are high-tech products of the company, sealed four-row conical roller bearings Roller bearings are the company's specialty products.









SIRKEN ----Rolling Mill Equipment Bearing Series

d	SKF	FAG	NTN	NSK	KOYO	kg
180						32.9
			4R3618	180RV2602		33.8
		524372				46.2
						41.4
					36FC28200	46.3
			_			50.5
190						25.5
	313651	507735	4R3820	190RV2601	38FC26168-1	27.2
						21.3
						30.4
						30.8
			4R3818	190RV2702	38FC27170A	31.7
	314199B	508657	4R3821	190RV2701	314199	37.5
	314049A	510199	4R3823	190RV2801		42.3
200				200RV2521		23.8
					40FC27180	27.2
						19.6
	314553	522742	4R4039		314553	28.5
	314385	507344			40FC28170	32.5
					40FC28188	36.2
				200RV2803	40FC28190A	36.5
	313893	508726	4R4037	200RV2802	313893-1	39.3
	100			200RV2801	40FC28200	39.4
						38.5
	313811	512580	4R4041	200RV2901	313811	42.8
	1000					43.4
						36.3

d	SKF	FAG	NTN	NSK	KOYO	kg
400		533426				273
					80FC55300	214
				400RV5501		213
			E-4R8007	400RV5612	80FC56400W	303
	313015DC	513769A	E-4R8010	400RV5611	80FC56410	315
	315802/VJ202	542395				415
410	316689	543736				300
	313877B	517436		410RV6011		425
420			E-4R8403	420RV5601	84FC56280	191
	BC2B320074A/VJ202					210
	313555C/VJ202	533053				250
	313513	545467		420RV6011	4CR420A	400
						416
	314391/VJ202	509394				430
			E-4R8401			410
430		526415				260
	2			430RV5921		347
440	314554B	545628	E-4R8801	440RV6213	88FC62450AW	427
				440RV6221		430
	316899A					420
	635043					333
445		543174				353
					4CR445	385
450	315811E					245
		542648				345
				450RV6321	90FC63450A	433
460		526420				290



SKF	TIMKEN	kg
BT4B332406/HA1	M224749D/10/10D	11.2
BT4B330880/HA1	48290DW/20/20D	14.5
331138A	48680D/20/20D	15.5
331329	M231649D/10/10CD	23.2
330835C	46791DW/20/21D	20.5
331480	67791DW/20/21D	29.0
331382	M238849DW/10/10CD	41.0
331249	67885DW/20/20CD	33.5
330899A	M240648D/11/11D	47.5
BT4B328065/HA1		54.5
331486	67986DW/20/21CD	36.5
BT4B328348/HA1		54.0
BT4B328003/HA1		100
331156	M244249DW/10/10CD	61.5
BT4B332637/HA1	LM245149DW/10/10D	43.5
331399	8576DW/20/20CD	54.0
BT4B328015/HA1		70.0
BT4B328508		110
331787	EE127094D/138/139D	81.5
330782A	EE127097DW/135/136D	74.5
330862B	LM247748DW/10/10D	46.0
BT4B328690/HA1	EE126096DW/150/151D	130
331398		105
614096B	EE220975DW/1575/1576D	120
331275A	M249748DW/10/10CD	88.0

SKF	TIMKEN	kg
BT4B331333/HA1	M667949D/11/11D	220
331160A	M268749DW/10/10CD	395
BT4B328826G/HA1		285
BT4B328374/HA1		375
331192A		240
331125A	LM869449DW/10/10CD	200
BT4B331226/HA1	LM769349DW/10/10D	240
332060	EE931070DGW/250/251XD	385
BT4B328829/HA1		300
332313		410
BT4B328670		215
330608C	M270749ADW/10/10CD	485
BT4B328161/HA1		280
BT4B332773/HA1	M270449DA/10/10D	285
BT4B328365/HA1	M270449DA/410	305
BT4B328287G/HA1	EE671798DGW/2873/2875D	630
331169A	L770847DW/10/10D	200
BT4B334006		235
331977		295
BT4B328285		315
BT4B332502/HA1	M271149DW/10/10D	382
BT4B328692		275
BT4B328913G/HA1		250
BT4B329007/HA1		460
330886B	M272749DW/10/10D	605







SIRKEN ----Rolling Mill Equipment Bearing Series

SKF	FAG	kg
		9.01
		14.6
		24.9
		13.2
		28.2
BNTB322869B/HB1		28.1
BNTB322246/HB1		26.5
BC2B322564		31.5
BC2B319531		40.2
		55.9
319028	528930	65.5
314833BA	562739	72.5
BC2B320432C	549722	69.5
		63.3
BNTB322891/HB2		175
BC3B326277/HB1		130
315515B	523247C	170



Thanks

