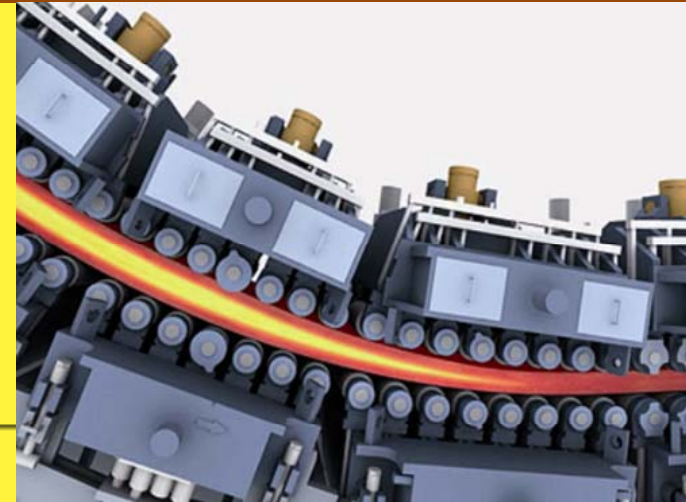
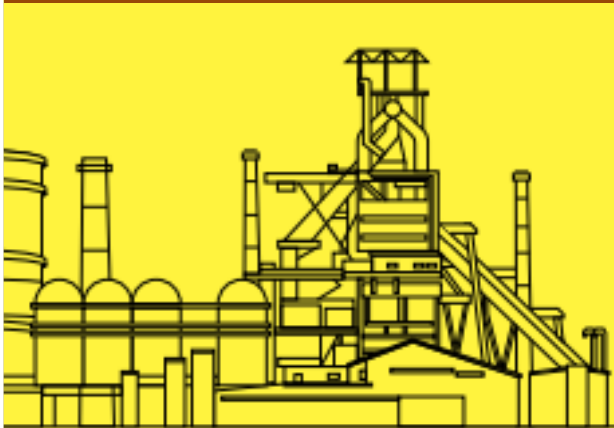


HKT180409 EN

HKT Guide Roll Bearings for Continuous Caster



HKT BEARINGS LIMITED

www.hktbearings.com

Korea

AZB™

HKT Guide Roll Bearings for Continuous Caster,

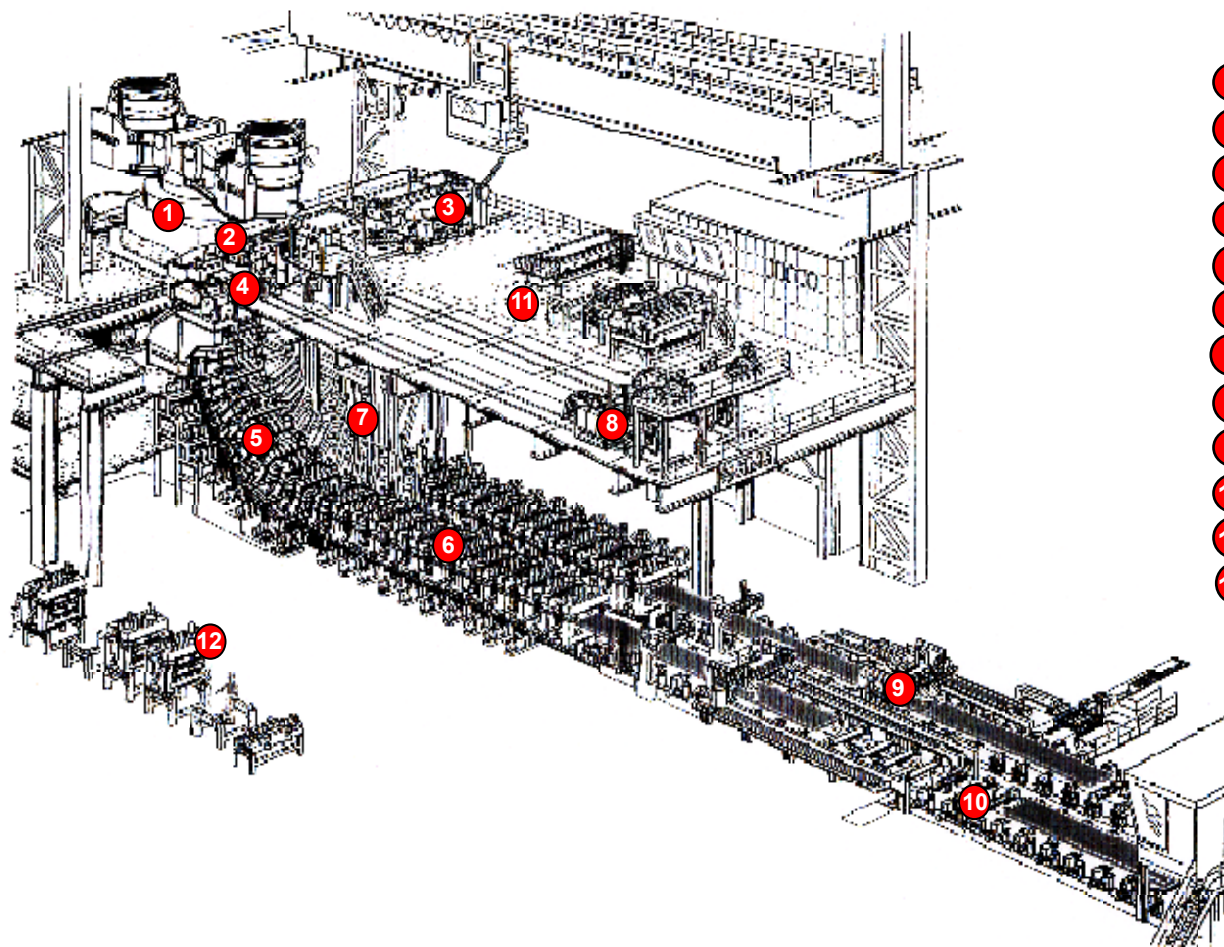


HKT Bearings Limited was established in 1988 as a bearing manufacturer of Posco, who is one of the biggest still in the world. HKT have started to develop many kinds of bearings used in every section of steel production from raw material handling to rolling mill and cooling bed, especially split cylindrical roller bearing, and been expanding their range to various types of bearing commonly used. HKT do all process in their own site (designing & heat treatment, grinding and final packing) with their own quality assurance system covering every flow. Now, a lot of machine builders, end users and bearing dealers are using HKT product with great satisfaction.



 Spherical roller bearings	 Self-aligning roller bearings	HKT Guide Roll Bearings for Continuous Casting
 800M-split water cooled	 Toroidal roller bearings	

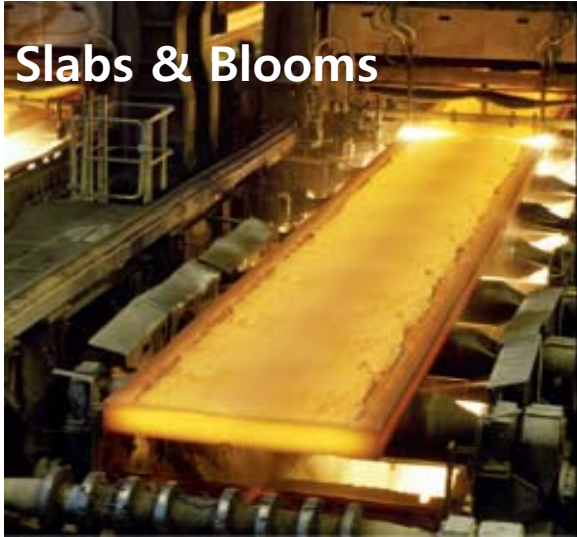
CONTINUOUS CASTERS,



- 1 Ladle turret
- 2 Tundish
- 3 Tundish car
- 4 Mould
- 5 Strand guide
- 6 Straightening withdrawal unit
- 7 Segment changing system
- 8 Dummy bar car
- 9 Torch-cutting unit
- 10 Discharge roller table
- 11 Casting platform
- 12 Change parts

CONTINUOUS CASTERS,

Slabs & Blooms



Billets



Bar



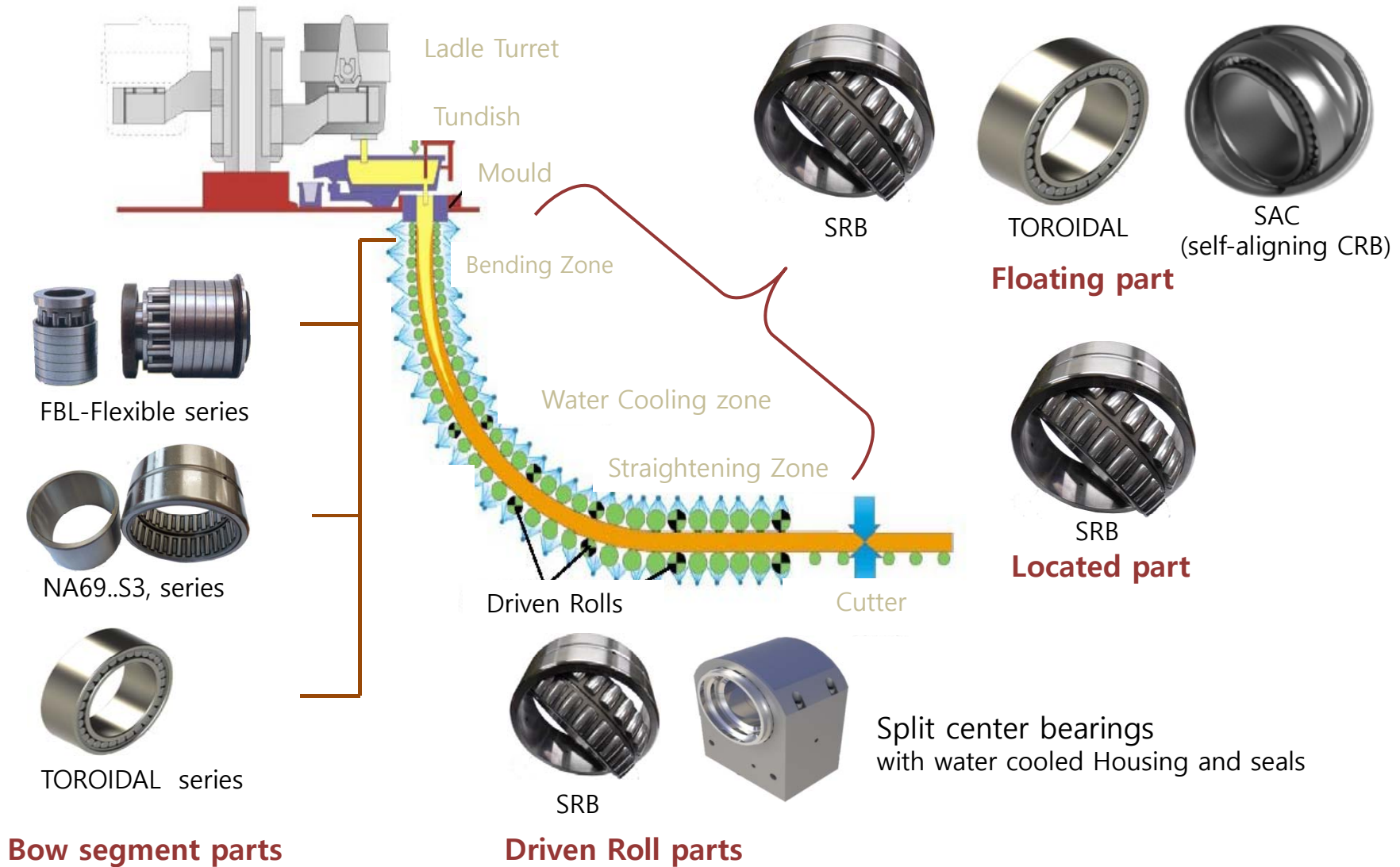
Beam blanks



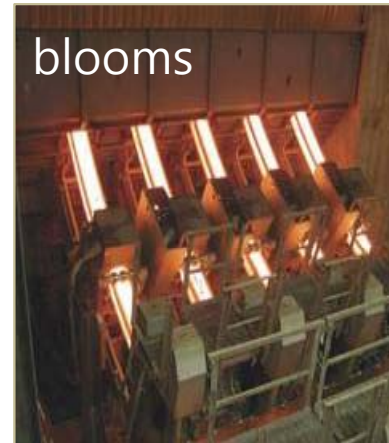
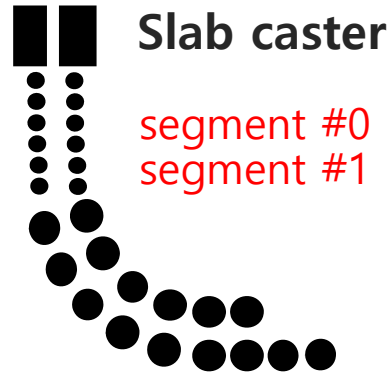
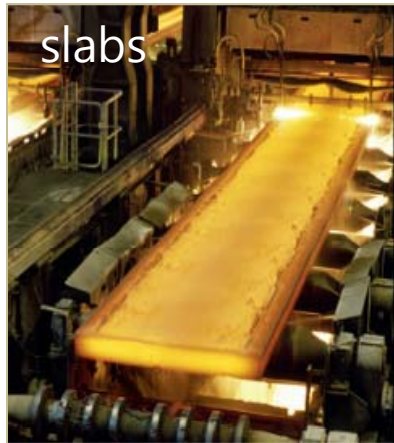
Rounds



HRT Guide roll Bearings for Continuous caster,



HKT Bearings used in continuous casting Bow machines ,



HKT_ FBL... series

Flexible bearings

- mainly used in C.C stand
- main products of HKT Bearings



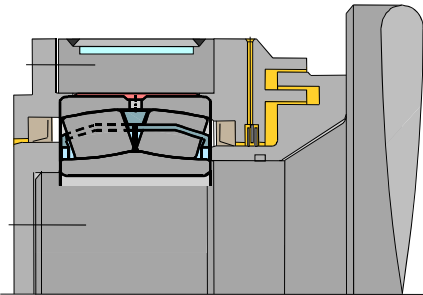
HKT_NA69..S3 series

Needle roller bearings

- NA type **S3** suffix for heat stabilisation
- best experience with clearance **>C4**
- two rows (optional)

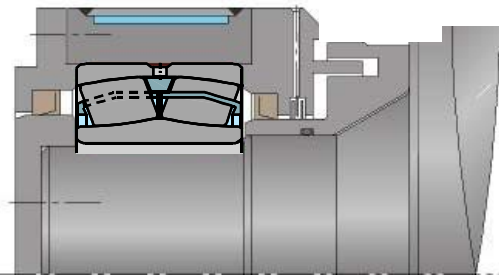
Guide roll Bearings of Continuous Casting,

[Locating bearings]

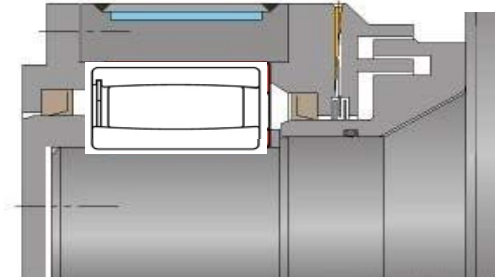


SRB
(Spherical roller bearing)

[Non-locating /semi-locating bearings]



SRB
(Spherical roller bearing)



Toroidal
(Toroidal roller bearings)



SRB
(Spherical roller bearing)



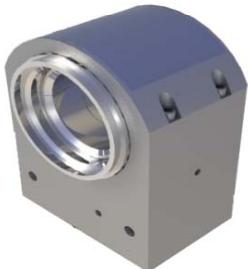
SRB



Toroidal

















SAC
(self-aligning CRB)



800M
(Water cooled Split roller br'g)





















HKT'S VALUED CUSTOMERS,

 POSCO POHANG STEEL-KOREA	 USIMINAS-BRASIL	 VAI-SIMENS-AUSTRIA	 SMS group SMS DEMAG-GERMANY	 TYSSENKRUPP-INDIA
 ESSAR STEEL-INDIA	 SAIL BOKARO STEEL-INDIA	 TATA STEEL-INDIA	 SAIL ROURKELA STEEL-INDIA	 BHUSAN STEEL-INDIA
 BRG IRON STEEL-INDIA	 JINDAL STEEL-INDIA	 NSM-THAILAND	 DRAGON STEEL-TAIWAN 中龍鋼鐵	 CHINA STEEL-TAIWAN
 YIEH UNITED-TAIWAN	 G STEEL-THAILAND	 NIPPON STEEL-JAPAN	 JAPAN STEEL WORKS-JAPAN	 TOKYO STEEL-JAPAN

HKT'S VALUED CUSTOMERS,

 <p>beta steel group BETA STEEL-USA</p>	 <p>bhpbilliton BHP-USA</p>	 <p>TRICO Steel Company TRICO STEEL-USA</p>	 <p>JINAN STEEL-CHINA</p>	 <p>Steel Plantech STEEL PLANTECH-JAPAN</p>
 <p>TANGSAN STEEL-CHINA</p>	 <p>DONGHUA DONGHUA-CHINA</p>	 <p>本溪钢铁(集团)有限公司 BENXI IRON&STEEL (GROUP) CO.,LTD. BENXI STEEL-CHINA</p>	 <p>包钢集团 BAOGANG GROUP WWW.BTSTEEL.COM BAOTOU STEEL-CHINA</p>	 <p>北京科技大学 BEIJING INSTITUTE OF TECHNOLOGY BEIJING INSTITUTE-CHINA</p>
 <p>EVRAZ HIGHVELD STEEL AND MINERALS CORPORATION LIMITED HIVELD STEEL-S.AFRICA</p>	 <p>ISCOR ISCOR STEEL-S.AFRICA</p>	 <p>YINGKOU STEEL-CHINA</p>	 <p>HBIS HANDAN STEEL-CHINA</p>	 <p>新余钢铁有限责任公司 XINYU IRON & STEEL CO., LTD. XINYU STEEL-CHINA</p>
 <p>柳州钢铁股份有限公司 LIUZHOU IRON&STEEL COMPANY,LTD LIUZHOU STEEL-CHINA</p>	 <p>LZ LISCO LISCO-CHINA</p>	 <p>LA/GANGGROUP LAIWU STEEL-CHINA</p>	 <p>BAOSTEEL BAO STEEL-CHINA</p>	 <p>TIMKEN TIMKEN -USA</p>

HKT'S VALUED CUSTOMERS,

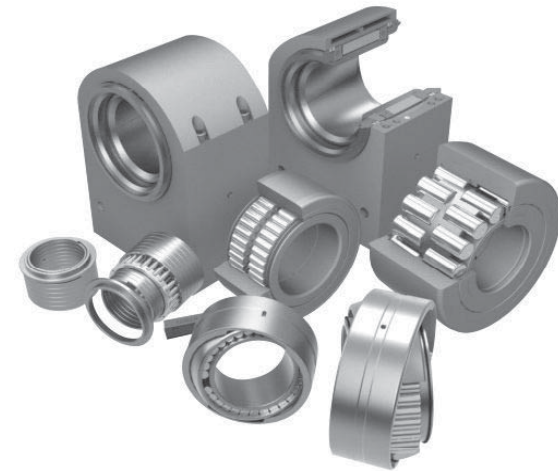
 CST-BRASIL	 ISPAT SIDEX-RUMANIA	 ARCELORMITTAL-FRANCE	 SALDANHA STEEL-S.AFRICA	 DANIELI-ITALY
 DANIELI-CHINA	 DANIELI-THAILAND	 DANIELI-AUSTRIA	 DANIELI-RUSSIA	 MUBARAKE STEEL-IRAN
 ROLL ART-IRAN	 ROLL KOREA-KOREA	 DAEDONG HEAVY-KOREA	 DONGBANG-KOREA	 SEAH BESTEEL-KOREA
 HYUNDAI STEEL-KOREA	 DONGBU STEEL-KOREA	 DONGKUK STEEL-KOREA	 KRAKATAU POSCO -INDONESIA	 SEAH SPECIAL STEEL -KOREA

HKT Guide Roll Bearings for Continuous Caster



Contents ,

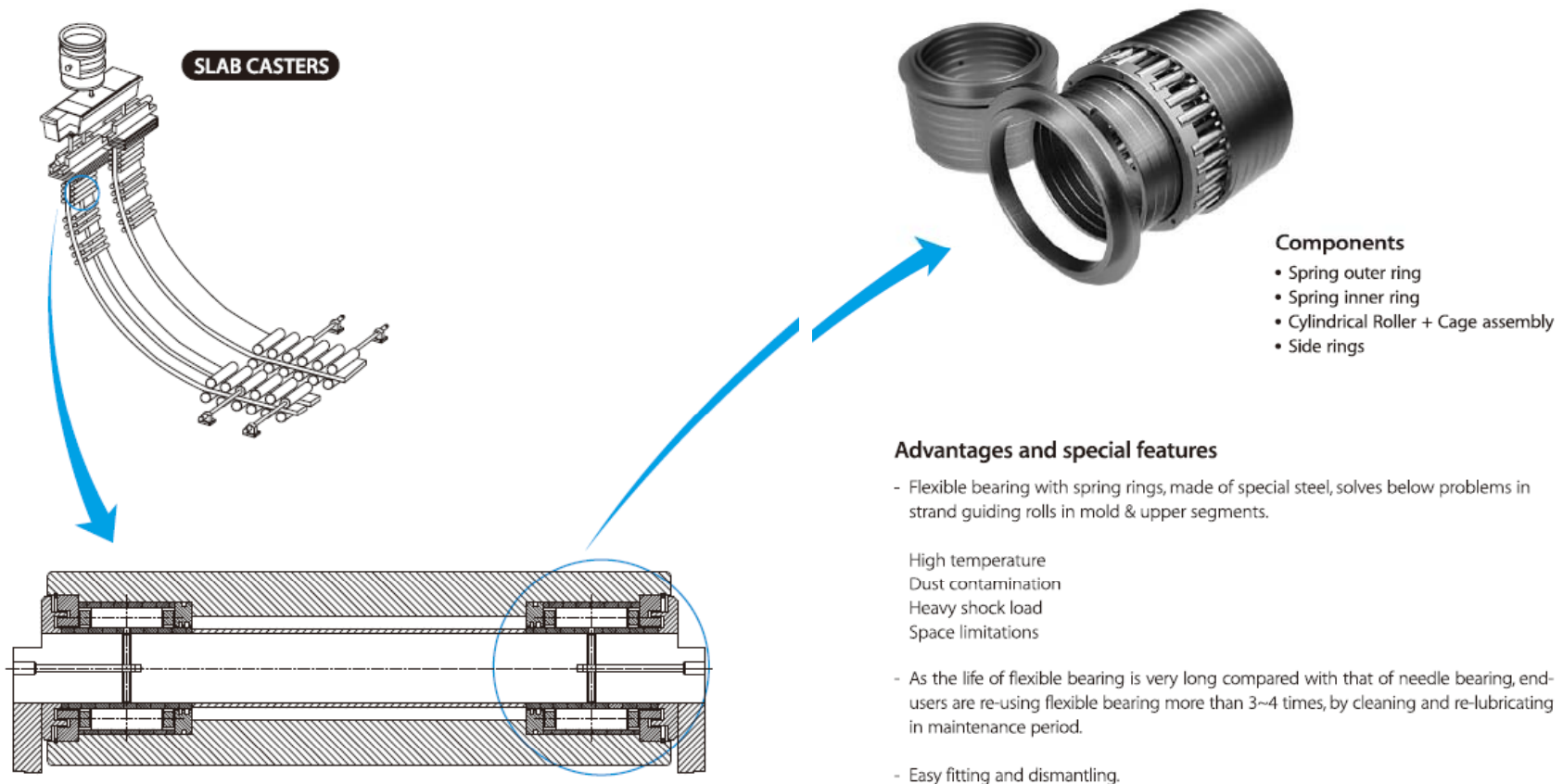
- **FBL series** : Flexible bearings for Mold & upper segment
- **SPL series** : Split center bearings with Water cooled housing and seals
- **SAC series** : Self-aligning cylindrical roller bearings
- **SRB series** : Spherical roller bearings
- **Toroidal series** : Toroidal roller bearings
- **CRB series** : Cylindrical roller bearings
- **NRB series** : Needle roller bearings



Guide roll Bearings of Continuous Casting _ FBL series

FBL series ,

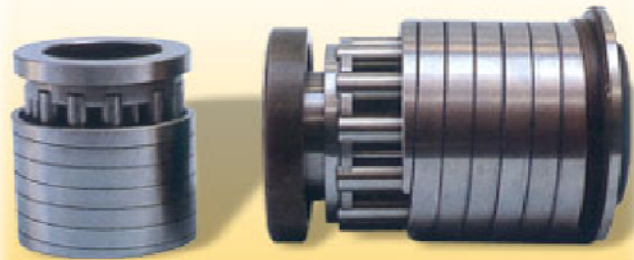
Flexible bearing-Mold & upper segment in continuous caster



Guide roll Bearings of Continuous Casting _FBL series

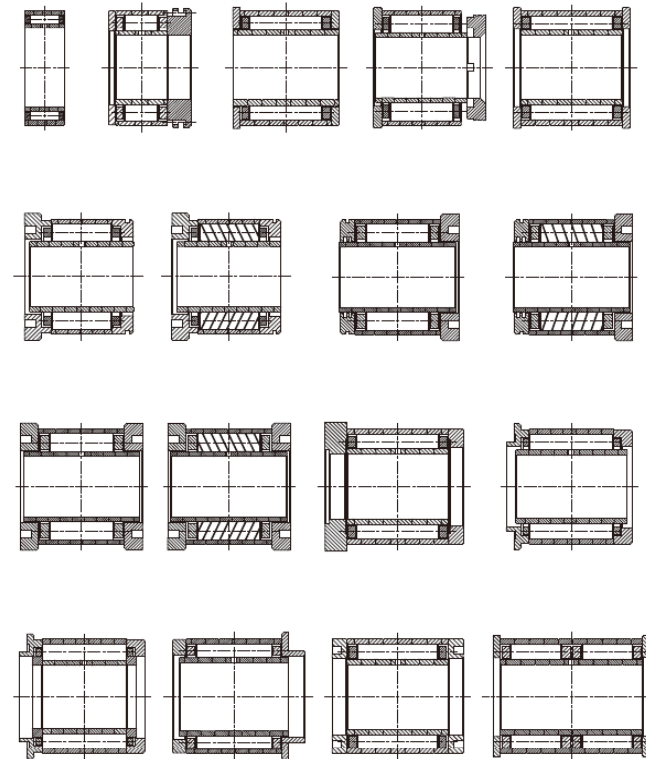
FBL series ,

Flexible bearing-Mold & upper segment in continuous caster



HKT Flexible Bearing equipped with typical spring inner race & outer race has been supplied to many continuous casting plants to comply with the demand for dust & high temperature endurable bearing of strand guiding rolls in upper segments. HKT Flexible bearings offer easy installation as well as optimum performance. Races was made as spring, so they are seated firmly on the shaft and in case of temperature increasing the spring races expand with surrounding component of force. Performance of HKT Flexible bearings has been proved in many customer.

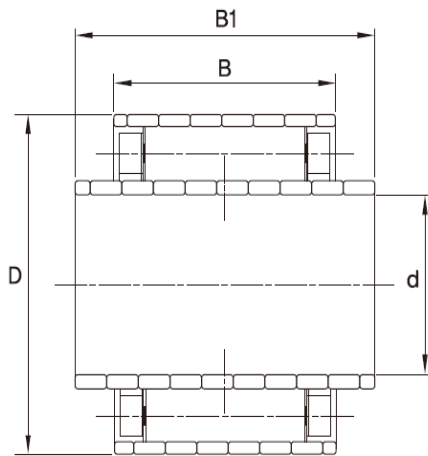
Various kinds of side ring combinations



FBL series ,

Flexible bearing-Mold & upper segment in continuous caster

FBL (Flexible roller bearings)

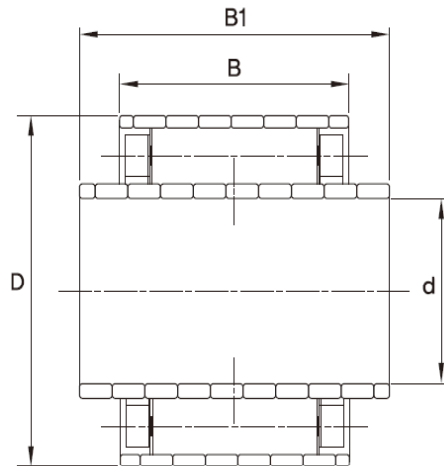


BEARING		d	D	B1	B	Load Rating Stat. Co(kN)
Shaft Dia.(d)	Designation					
30	FBL3073	30	60	125	80	243
	FBL3069	30	62	32	32	72
	FBL3075	30	62	32	32	72
	FBL3052	30	62	43	43	110
	FBL3024	30	62	58	58	161
	FBL3067	30	62	60	45	110
	FBL3071	30	62	94	94	234
	FBL3047	30	62	114	114	309
35	FBL3063	30	62	134	134	378
	FBL3509	35	57	50	36	90
	FBL3534	35	60	64	38	115
	FBL3518	35	62	50	36	84
	FBL3597	35	65	56,5	38	122
	FBL3546	35	65	56,5	38	122
40	FBL3521	35	68	42	42	132
	FBL3510	35	65	64	38	122
	FBL4027	40	68	38	38	
	FBL4061	40	68	45	45	130
	FBL4074	40	68	50	45	130
	FBL4067	40	68	58	45	130
	FBL4009	40	68	58	45	130
	FBL4037	40	68	58	45	169
	FBL4060	40	70	70	70	250
	FBL4063	40	70	80	70	250
	FBL4049	40	71	32	32	
	FBL4081	40	71	32	32	91
	FBL4006	40	71	32	32	91
	FBL4026	40	71	32	32	91
	FBL4090	40	71	32	32	91
	FBL4023	40	71	32	32	91
FBL4078	40	71	32	32	91	
FBL4016	40	71	32	32	91	

FBL series ,

Flexible bearing-Mold & upper segment in continuous caster

FBL (Flexible roller bearings)

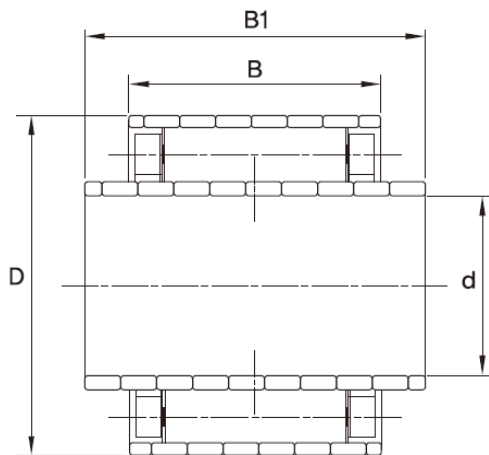


BEARING		d	D	B1	B	Load Rating Stat. Co(kN)
Shaft Dia.(d)	Designation					
40	FBL4021	40	71	42,5	42,5	136
	FBL4051	40	71	45	45	147
	FBL4038	40	71	57	47	156
	FBL4084	40	71	60	45	143
	FBL4030	40	71	70	70	250
	FBL4022	40	71	81	45	143
	FBL4020	40	71	94	94	312
	FBL4082	40	78	57	45	157
	FBL4011	40	82	80	62	216
	FBL4073	40	82	80	62	216
	FBL4066	40	82	80	62	216
	FBL4083	40	82	80	62	216
	FBL4065	40	82	80	62	216
	FBL4045	40	82	155	130	450
45	FBL4550	45	70	55	50	
	FBL4551	45	70	55	50	
	FBL4507	45	75	70	70	
	FBL4582	45	75	86	70	143
	FBL4517	45	80	42	37	119
	FBL4592	45	80	57	56	150
	FBL4588	45	80	70	60	208
	FBL4503	45	80	70	70	252
	FBL4571	45	80	70	70	252
	FBL4558	45	80	70	70	252
	FBL4538	45	80	70	70	252
	FBL4583	45	80	70	70	252
	FBL4523	45	80	70	70	248
	FBL4529	45	80	73	63	274
	FBL4520	45	80	73	63	274
	FBL4561	45	80	73	63	274
	FBL4559	45	80	80	70	248
	FBL4522	45	80	95	70	248
	FBL4597	45	80	98	98	310
	FBL4580	45	80	110	110	408
	FBL4584	45	80	110	110	399
	FBL4532	45	85	45	35	122
	FBL4518	45	90	35	35	
FBL4563	45	90	73	46		

FBL series ,

Flexible bearing-Mold & upper segment in continuous caster

FBL (Flexible roller bearings)

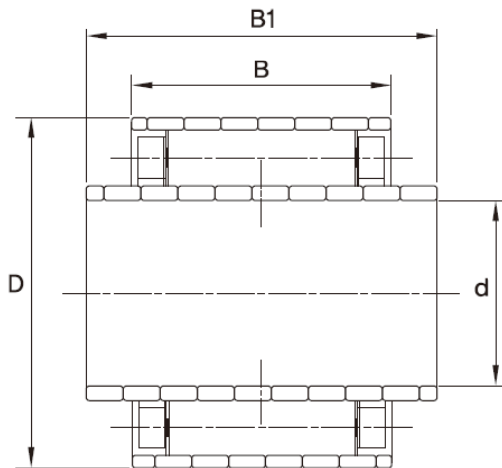


BEARING		d	D	B1	B	Load Rating Stat. Co(kN)
Shaft Dia.(d)	Designation					
50	FBL5057	50	70	40	40	128
	FBL5051	50	72	73	63	
	FBL5077	50	75	40	40	141
	FBL5008	50	75	45	40	141
	FBL5063	50	75	58	48	156
	FBL5088	50	75	60	50	214
	FBL5080	50	80	75	70	369
	FBL5044	50	85	70	70	336
	FBL5085	50	85	73	45	210
	FBL5072	50	85	73	45	210
	FBL5039	50	85	75	70	331
	FBL5089	50	85	80	70	336
	FBL5019	50	85	80	70	336
	FBL5009	50	85	80	70	336
	FBL5034	50	85	80	70	336
	FBL5071	50	85	80	70	336
	FBL5024	50	85	80	70	336
	FBL5070	50	88	62	50	194
	FBL5005	50	90	60	50	223
	FBL5098	50	92	54	54	301
	FBL5069	50	92	140	54	301
	FBL5052	50	95	48	48	272
	FBL5073	50	95	73	63	310
	FBL5097	50	95	75	65	267
	FBL5011	50	95	75	65	267
	FBL5027	50	95	80	70	376
	FBL5028	50	95	85	50	302
	FBL5061	50	95	87	47	238
	FBL5021	50	95	90	63	272
	FBL5021NR	50	95	90	63	272
	FBL5045	50	95	90	63	272
	FBL5010	50	95	90	64	272
	FBL5092	50	95	95	70	272
FBL5064	50	95	95	70	272	
FBL5017	50	95	95	70	272	
FBL5030	50	95	95	70	272	
FBL5018	50	95	95	70	272	
FBL5038	50	96	85	65	339	

FBL series ,

Flexible bearing-Mold & upper segment in continuous caster

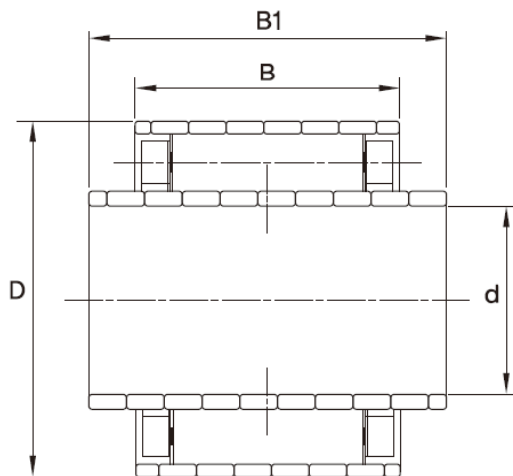
FBL (Flexible roller bearings)



BEARING		d	D	B1	B	Load Rating Stat. Co(kN)
Shaft Dia.(d)	Designation					
55	FBL5501	55	95	73	63	
	FBL5545	55	90	58	40	157
	FBL5590	55	90	73	63	322
	FBL5520	55	90	73	63	322
	FBL5512	55	90	90	72	403
	FBL5533	55	95	73	63	310
	FBL5597	55	100	65	55	290
60	FBL6094	60	89	73	63	366
	FBL6089	60	89	73	63	
	FBL6054	60	90	65	55	308
	FBL6027	60	90	75	70	364
	FBL6066	60	95	73	63	359
	FBL6062	60	95	73	63	359
	FBL6078	60	95	75	70	428
	FBL6006	60	95	75	70	428
	FBL6008	60	100	67	62	327
	FBL6039	60	100	90	64	351
	FBL6063	60	105	73	63	373
	FBL6091	60	110	80	80	604
	FBL6028	60	110	105	80	604
	FBL6055	60	110	105	80	604
	FBL6060	60	110	105	80	604
	FBL6061	60	110	105	80	604
	FBL6005	60	110	105	80	513
FBL6031	60	110	105	94	608	
61	FBL6151	61	107,81	74,2	60	265
65	FBL6543	65	102	54	54	290
	FBL6579	65	102	55	55	397
	FBL6575	65	102	55	55	469
	FBL6516	65	102	70	54	290
	FBL6513	65	102	140	54	290
	FBL6534	65	102	140	55	397
	FBL6518	65	102	140	55	469
	FBL6593	65	110	73	63	377
	FBL6502	65	110	73	63	377
	FBL6514	65	110	73	63	377
	FBL6542	65	110	73	63	329
	FBL6577	65	110	105	80	494

FBL series , Flexible bearing-Mold & upper segment in continuous caster

FBL (Flexible roller bearings)

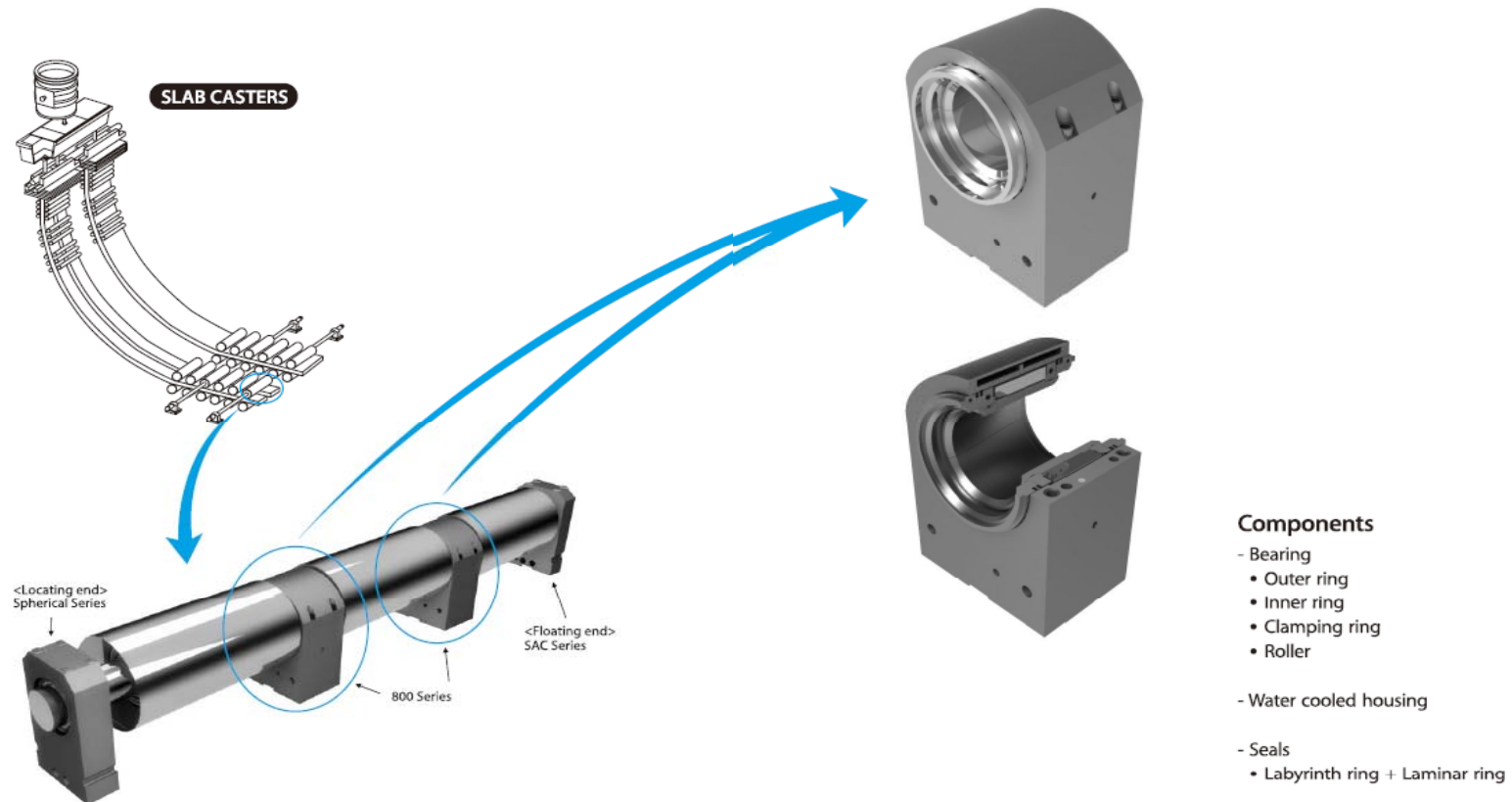


BEARING		d	D	B1	B	Load Rating Stat. Co(kN)
Shaft Dia.(d)	Designation					
70	FBL7021	70	99	73	63	406
	FBL7062	70	110	90	63	366
	FBL7042	70	120	80	80	707
	FBL7085	70	120	105	80	582
	FBL7091	70	120	105	80	707
75	FBL7550	75	104	73	63	406
	FBL7501	75	105	54	54	329
	FBL7549	75	105	54	49,9	
	FBL7554	75	105	58	48	281
	FBL7576	75	105	60	54	384
	FBL7503	75	105	73	63	464
	FBL7576	75	110	90	80	474
80	FBL8009	80	120	73	63	464
	FBL8013	80	120	73	63	464
	FBL8023	80	120	73	63	448
	FBL8071	80	120	73	63	459
	FBL8050	80	120	73	63	464
	FBL8051	80	125	70	65	438
	FBL8024	80	130	95	70	534
90	FBL9035	90	121	73	63	511
	FBL9081	90	130	45	40	358
	FBL9025	90	130	70	65	480
	FBL9062	90	140	150	100	1172
	FBL9079	90	160	130	130	1003
95	FBL9583	95	130	70	65	537
100	FBL10024	100	180	82	82	868
120	FBL12042	120	165	93	75	842
140	FBL14003	140	181	80	50	583
	FBL14013	140	200	67	50	674
160	FBL16008	160	225	85,5	85,5	1267
	FBL16099	160	225	90	70	996

Guide roll Bearings of Continuous Casting _ 800M series

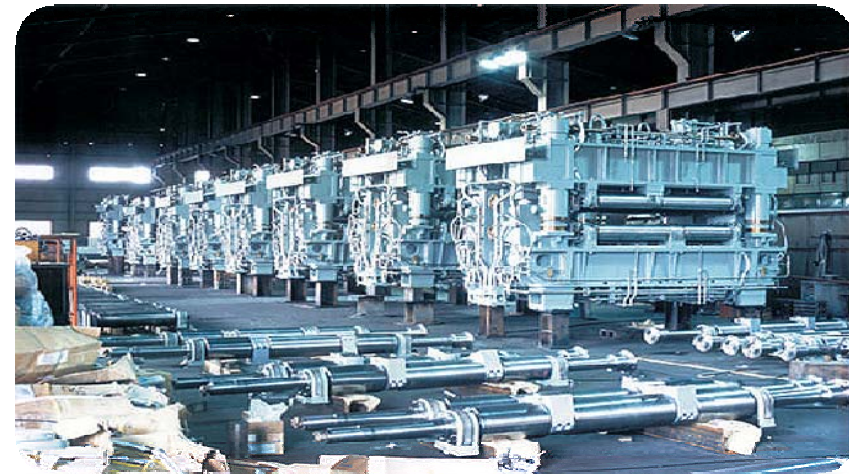
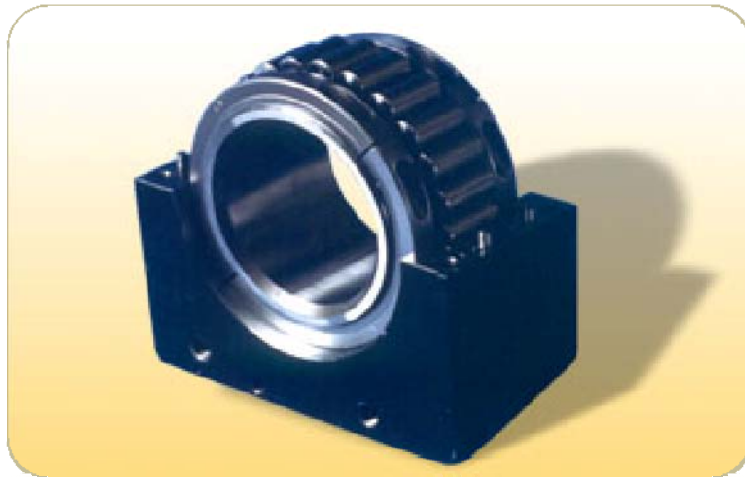
800M series

Split center bearing with water cooled housing and seals
800 series (For Driven guide roll in slab caster)



Guide roll Bearings of Continuous Casting _800M series

800M series ,
Split center bearing with Water cooled housing and seals



Split center Bearing with Water Cooled Housing and Seals

HKT has been specialized in steel industry for decades. The Bearing used in driven guide roll (lower segment in continuous slab caster) should stand high temperature, heavy load. HKT Bearings provide optimum performance with Water Cooled Housing which constantly reduce temperature of bearing and housing, and also supply lubricating oil into the bearing unit. Both bearing and housing are split, thus assembly as well as inspection is very simple and speedy. This reduced bearing changing time from 1 or 2 days to 2 to 3 hours..

HKT bearings has supplied this type of bearing to many caster machine builders and steel mill in the world .

Guide roll Bearings of Continuous Casting **_800M series**

800M series , Split center bearing with Water cooled housing and seals

Advantages and special features

- 800 series, split center bearing with water cooled housing and seals, solves below problems in driven guide roll in slab caster.

High temperature
Heavy load
Dust & water contamination
To be fitted on recessed shaft

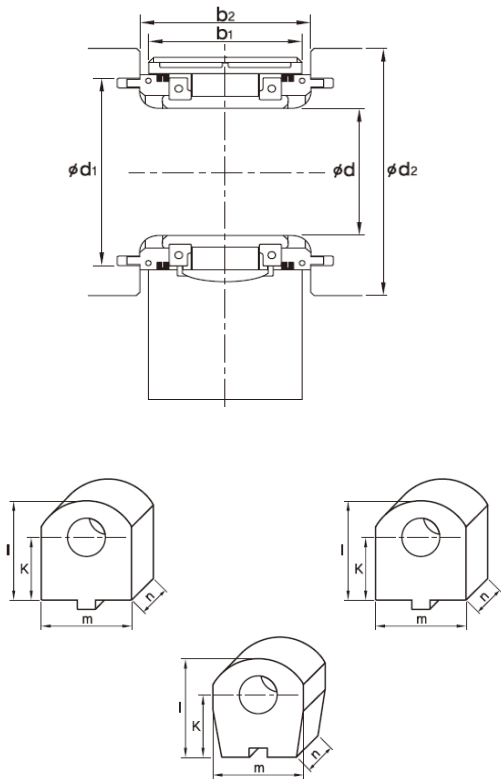
- To dissipate heat in high temperature circumstance, cooling water is circulating through housing block.
- Specially designed sealing system enables to prevent foreign contaminants penetrating into bearing block. Labyrinth ring is recommended to be installed between the housing and roll by injection of silicon.
- Every main component has two halves, exceptionally only one half of outer ring is fitted in bottom of the housing block.
- Outer ring and inner ring has angled joints to ensure continuity of contact with rollers.
- Two halves of inner ring are fully fitted on shaft by two clamping rings.
- When fitting two halves of inner ring on shaft, there should be a gap at the joint in order to ensure full contact between the bore of inner ring and shaft. The gaps differ from the sizes, 0.35mm to 0.55mm.
- Easy fitting and dismantling.

Various types of water cooled housing



800M series , Split center bearing with Water cooled housing and seals

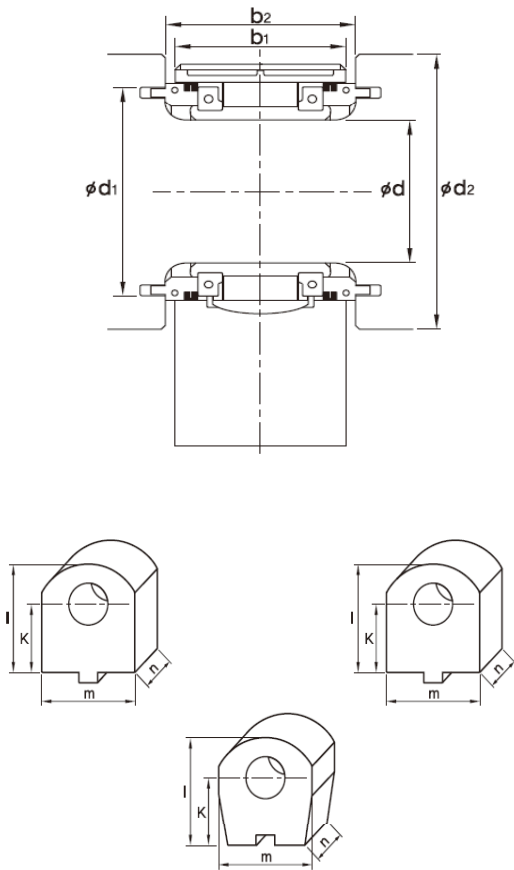
800M series ,



d	d ₁	d ₂	b ₁	b ₂	BEARING & HOUSING Designations	Load Ratings Stat. C ₀ (kN)	I	m	n	k
60	108	150	62	70	800M60BH-RIST	250	192	150	62	125
70	118	160	62	70	800M70BH-RIST	281	197	160	62	125
75	129	160	62	70	700M75BH-POSCO	306	207	165	134	135
	129	165	66	76	700M75BH-SALDANHA	344	207	166	134	135
	129	165	58	64	700M75BH-4100261	287	202	165	134	130
	117	160	91	101	800M75BH-5.333121.Q	447	228	160	91	158
80	134	180	62	70	800M80BH-RIST	321	215	180	62	135
90	144	185	66	76	700M90BH-POSCO	360	230	180	134	150
	144	185	66	76	700M90BH-SALDANHA	381	230	180	134	150
	144	180	58	64	700M90BH-4100259	331	202	180	134	122.5
95	136	180	85	95	800M95BH-5.301575.G	447	233	180	85	153
100	140	200	130	150	800M100BH-CST	844	265	195	130	175
	140	200	130	150	800M100BH-INCLN-CST	844	265	195	130	175
	160	200	127	146	800M100BH-AHU-7203	844	265	200	127	175
	148	200	134	146	800M100BH-8L15009	844	250	220	134	160
	148	200	134	146	800M100BH-TN	844	250	220	134	160
105	148	205	148	165	800M105/205BH-DAN	970	237.5	212	148	145
110	171	230	134	146	800M110BH-GE1794	972	273	260	134	170
	171	220	134	146	800M110BH-GE1799	972	275	240	134	175
	171	220	120	140	800M110BH-PBA360H	1019	325	220	120	225
	176	230	135	155	800M110BH-PBA404H	1237	285	230	135	180
	176	230	139	155	800M110BH-SSM	1001	255	230	139	150
	176	230	135	155	800M110BH-SSM-W135	1001	255	230	135	150
115	178	240	167	181	800M115BH-CSC	1139	330	240	167	220
	224	240	158	174	800M115BH-PCR-NSN	907	333	240	158	220

800M series , Split center bearing with Water cooled housing and seals

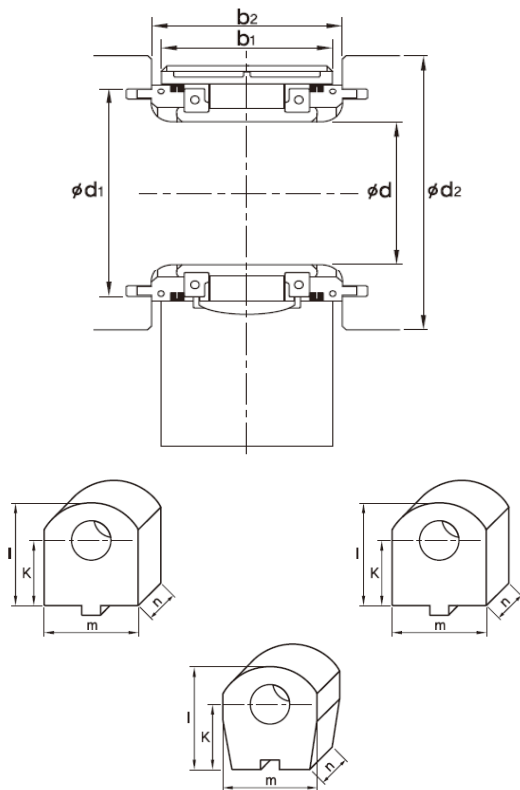
800M series ,



d	d ₁	d ₂	b ₁	b ₂	BEARING & HOUSING Designations	Load Ratings Stat. C ₀ (kN)	l	m	n	k
120	177	230	132	144	800M120BH-2960124	985	240	240	132	135
	177	230	132	144	800M120BH-2960151	985	240	240	132	135
	177	230	132	144	800M120BH-2960151-72	985	240	240	132	135
	177	230	132	144	800M120BH-2960154V	985	252	240	132	145
	177	230	132	144	800M120BH-2960155V	985	241	240	132	135
	177	220	145	165	800M120BH-4.974103.S	1004	260	220	145	160
	191	220	140	164	800M120BH-5.271320.M	897	245	220	140	145
	177	230	144	160	800M120BH-8L15948/2	1144	288	230	144	185
	193	250	135	155	800M120BH-PBA251H-2	1353	305	250	135	190
	193	250	135	155	800M120BH-PBA299	985	280	250	135	165
	193	250	135	155	800M120BH-PBA299A	985	280	250	135	165
	177	220	140	164	800M120BH-PCR 2203	985	275	220	140	175
	178	220	145	165	800M120BH-PCR 2204	1004	260	220	145	160
	191	220	140	164	800M120BH-R220-DAN	897	245	225	140	145
	191	225	140	164	800M120BH-R225	897	245	225	140	145
	191	250	139	155	800M120BH-R250	1207	290	250	139	175
	193	250	135	155	800M120BHPOSCO/CCM3	965	280	250	135	165
	191	250	135	155	800M120BH-R250-POSCO-CCM3	1135	290	250	135	175
	191	260	139	155	800M120BH-R260	1207	300	260	139	180
	177	230	144	160	800M120BH-8040E	1144	288	230	144	185
189.5	250	162	180	800M120BH-BT-R250	1524	260	250	162	145	
177	230	144	160	800M120BH-LZSMS-R230	1182	278.5	234	160	144	
125	186	245	170	185	800M125BH-COCKERILL	1382	302.5	245	170	190
	195	245	170	185	800M125BH-COCKERILL/HKM	1678	302.5	245	170	190
	225	255	186	202	800M125BH-GE1713	1035	366	265	186	250

800M series , Split center bearing with Water cooled housing and seals

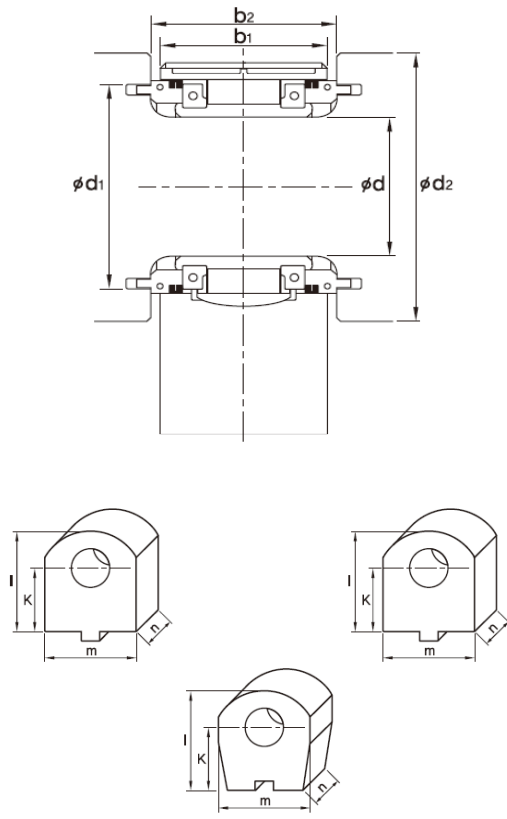
800M series ,



d	d ₁	d ₂	b ₁	b ₂	BEARING & HOUSING Designations	Load Ratings Stat. C ₀ (kN)	l	m	n	k
130	203	260	170	186	800M130BH-1734	1441	333	270	170	215
	195	280	150	164	800M130BH-7931e	1233	320	270	150	200
	187	245	165	185	800M130BH-21012114	1453	271	240	200	160.5
	187	265	180	200	800M130BH-21012123	1233	290	260	224	170.5
	204	250	170	180	800M130BH-H280	1496	280	270	170	145
	195	260	170	186	800M130BH-8L15949/1	1233	333	260	170	215
	189	240	165	185	800M130BH-4.974110.R	1493	285	240	165	175
	192	260	174	190	800M130BH-8L15218	1233	320	260	174	200
	192	260	174	190	800M130BH-8L15218-A(40)	1233	320	260	174	200
	185	240	150	170	800M130BH-CST	1278	285	240	150	175
	203	270	135	155	800M130BH-PBA252H-2	1446	315	270	135	190
	203	280	143	163	800M130BH-PBA300	1016	310	280	143	180
	203	280	143	163	800M130BH-PBA300A	1016	310	280	143	180
	185	240	160	185	800M130BH-8041E	1223	300	240	160	190
	203	250	170	185	800M130BH-8L15076	1233	310	265	170	195
	195	250	132	144	800M130BH-GE1495	1035	271	270	132	135
	195	250	130	144	800M130BH-GE1585	1035	261	270	130	145
	195	270	150	164	800M130BH-GE1812	1035	300	270	150	175
	195	260	170	186	800M130BH-LZ5MS-R260	1701	320.5	270	170	190
	185	240	160	185	800M130BH-PCR2401	1223	300	240	160	190
204	250	170	180	800M130BH-PDV	1496	295	270	170	180	
204	250	170	180	800M130BH-PDV-COOP	1496	295	270	170	180	
135	200	250	160	184	800M135BH-R250-DAN	1617	275	255	160	160
	200	250	160	184	800M135BH-5.271329.H	1617	275	250	160	160
140	213	280	175	191	800M140BH-220906778	1908	305	275	175	180

800M series , Split center bearing with Water cooled housing and seals

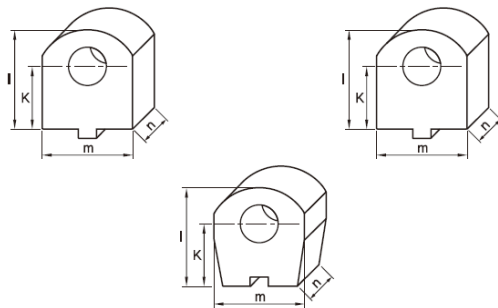
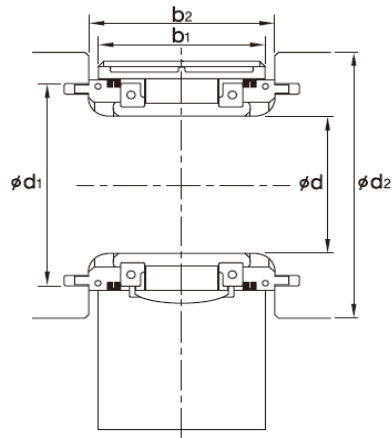
800M series ,



d	d ₁	d ₂	b ₁	b ₂	BEARING & HOUSING Designations	Load Ratings Stat. C ₀ (kN)	l	m	n	k
140	206	260	165	185	800M140BH-4.974083.Q	1580	305	260	165	185
	213	270	173	190	800M140BH-7059	1786	319	280	173	195
	189.5	235	127	146	800M140BH-IPSCO	973	283	235	127	175
	189.5	235	127	146	800M140BHINCLN-IPSCO	973	283	235/260.5	127	175
	206	260	205	225	800M140BH-5.171285.T	2171	305	260	205	185
	212	280	184	200	800M140BH-8L15217	1429	339	280	184	210
	212	280	184	200	800M140BH-8L15217-A(40)	1429	339	280	184	210
	208	265	178	192	800M140BH-CSC	1429	372.5	265	178	250
	200	260	160	185	800M140BH-8042E	1424	320	260	160	200
	208	285	170	185	800M140BH-COCKERILL	1786	324.5	275	170	200
	254	285	164	180	800M140BH-NSN	1411	373	270	164	245
	200	260	160	185	800M140BH-PCR2605	1424	320	260	160	200
	202	260	165	185	800M140BH-PCR2606	1580	305	260	165	185
	214	270	175	185	800M140BH-PDV	1581	320	285	175	195
	214	270	175	185	800M140BH-PDV-COOP	1581	320	285	175	195
	219	275	170	185	800M140BH-HKM	899	324.5	275	170	200
	235/211	265	174	190	800M140H-SS2815NY252	-	301.5	265	174	175
204	255	160	180	800M143BH-CST	1372	337.5	255	160	220	
204	255	160	180	800M143BHINCLN-CST	1372	337.5	255	160	220	
145	213	280	162	180	800M145BH-USM	1699	390	280	162	260
	218	295	195	209	800M145BH-CSC	2427	407.5	295	195	270
	224	295	170	185	800M145BH-GE1811	1425	312.5	300	170	175
	224	295	170	185	800M145BH-GE1811 ISPAT 306	1425	306	300	170	175
	213	280	162	180	800M145BH-R280 USM	1699	390	280	162	260
	218	295	195	209	800M145BH-R295 USM	2427	407.5	295	195	270

800M series , Split center bearing with Water cooled housing and seals

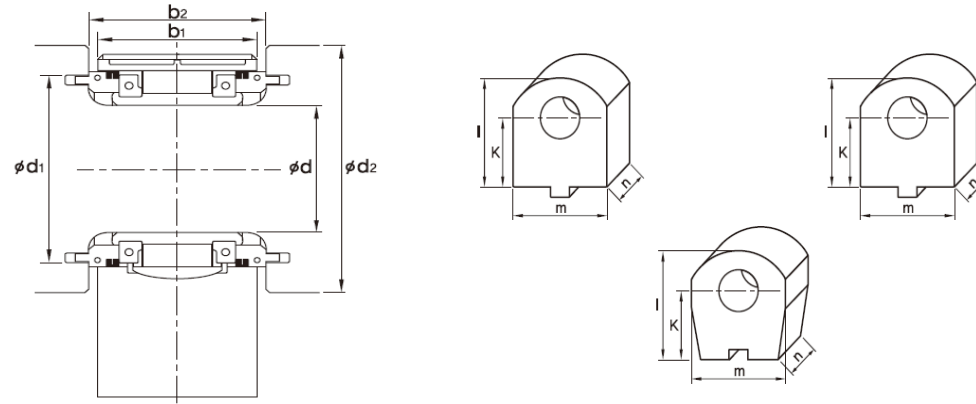
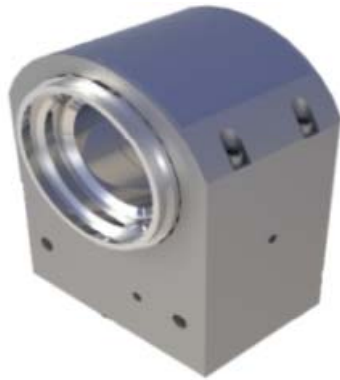
800M series ,



d	d ₁	d ₂	b ₁	b ₂	BEARING & HOUSING Designations	Load Ratings Stat. C ₀ (kN)	l	m	n	k
145	214.5	310	170	186	800M145BH-8L15950/1	1699	360	290	170	215
	220	290	194	210	800M145BH-GE1711	1425	400.5	300	194	270
	224	295	170	185	800M145BH-GE1751	1425	306	300	170	175
	218	280	170	186	800M145BH-LZSMS-R290	1794	332.5	290	170	190
150	227	300	200	220	800M150BH-21012135	2326	343	290	224	208
	-	295	170	200	800M150BH-575718A	1429	307.5	300	170	175
	223	290	180	196	800M150BH-7058	2069	336	300	180	205.5
	230	310	190	206	800M150BH-8L15216	1691	365	310	190	225
	-	295	170	200	800M150BH-ESSAR	1691	307.5	300	170	175
	238	330	168	188	800M150BH-PBA301	1627	375	330	168	220
	238	330	168	188	800M150BH-PBA301A	1627	375	330	168	220
	225	290	174	190	800M150BH-R290	1627	315/325	290	174	180/190
	244/220	280	184	200	800M150BH-SS3022NY252	-	309	280	184	175
	223	300	174	190	800M150BH-BT-R300/90	1910	308.5	295	174	170
	223	300	174	190	800M150BH-BT-R300/95	1910	308.5	295	174	170
	155	259/233	315	209	225	800M155BH-GE1714	1343	420	330	209
160	-	325	195	215	800M160BH-567093	2072	340	347	195	200
	262	325	187	203	800M160BH-7057	2191	375	330	187	225
	242	310	174	190	800M160BH-8L14664A	2072	350	335	174	220
	243	300	185	200	800M160BH-8L15077	1611	360	315	185	220
	242	305	174	190	800M160BH-GE1583	1343	310	310	174	170
	242	310	174	190	800M160BH-MR	2166	340	310	174	200
	233	330	178	194	800M160BH-USM	2104	418.5	320	178	280
	165	269/243	335	209	225	800M165BH-GE1712	1910	443	350	209
170	243	330	199	215	800M170BH-USM	2787	435	320	199	280

800M series , Split center bearing with Water cooled housing and seals

800M series ,

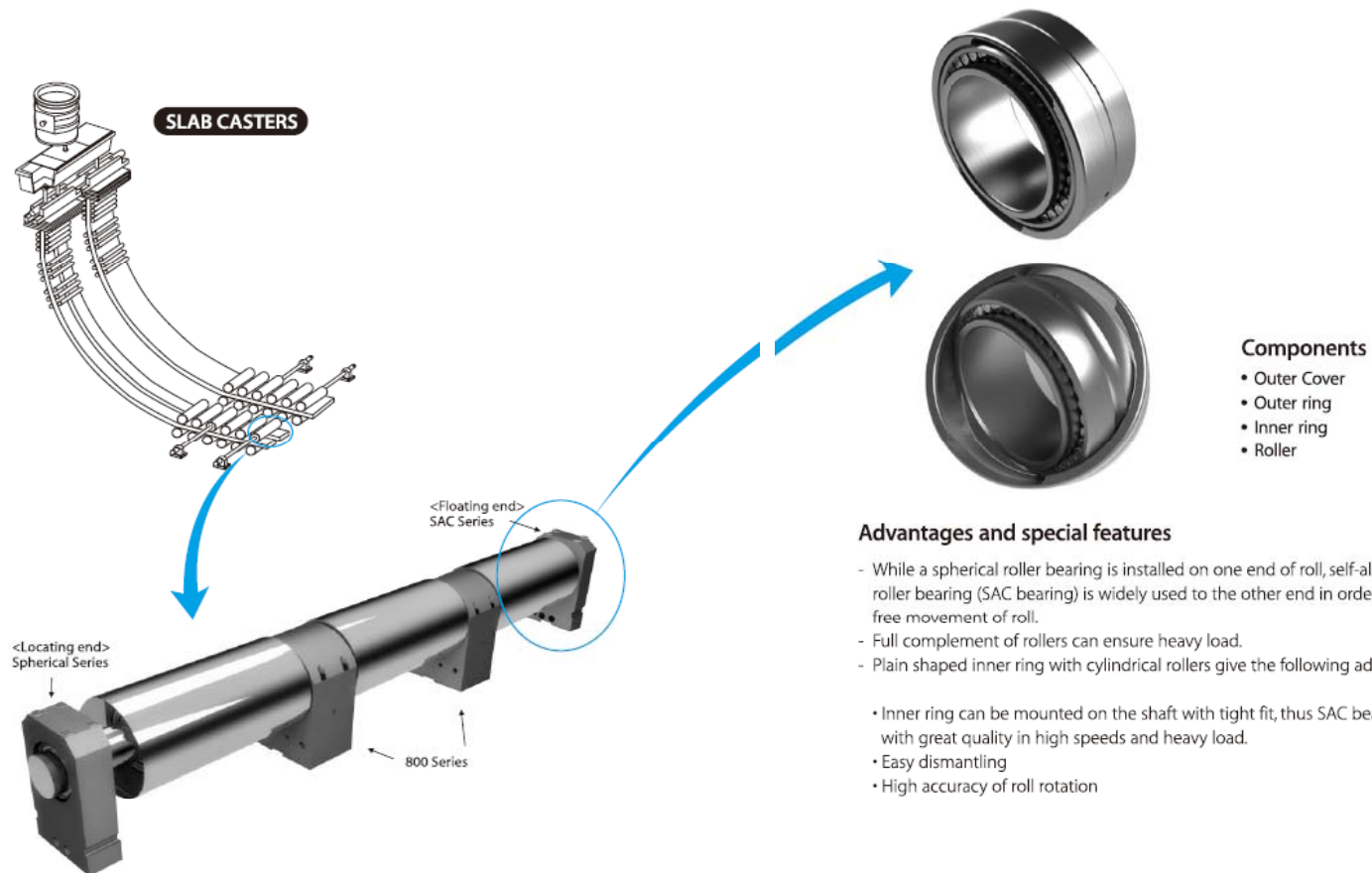


d	d ₁	d ₂	b ₁	b ₂	BEARING & HOUSING Designations	Load Ratings Stat. C ₀ (kN)	l	m	n	k
170	243	315	210	220	800M170BH-7221	2445	367	320	210	220
	248	320	196	212	800M170BH-COCKERILL	2523	370	320	196	220
	239	295	160	180	800M170BH-CST	1747	362.5	295	160	225
180	239	295	160	180	800M180BH-MDL-CST	1847	362.5	295	160	225
	258	335	150	170	800M180BH-3621	2069	375	335	150	217.5
	258	335	150	170	800M180BH R335	2069	375	335	150	217.5
190	339	370	208	234	800M190BH-NSN	-	455	390	208	280
265	337	400	190	210	800M265/400BH DAN	2679	450	440/560	190	265

Guide roll Bearings of Continuous Casting . SAC series

SAC series

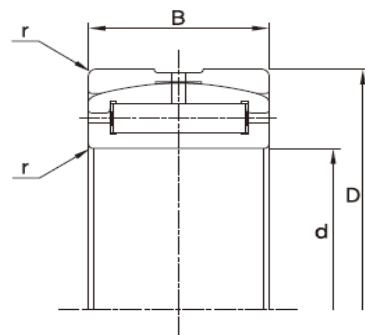
Self-aligning cylindrical roller bearing
SAC series (For Driven guide roll in slab caster)



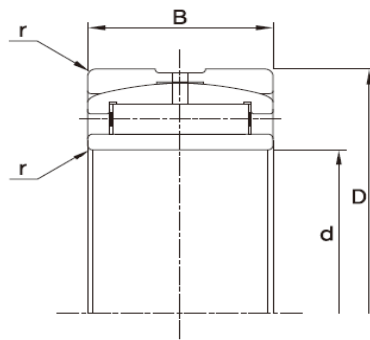
SAC series ,

Self-aligning cylindrical roller bearings

SAC series



BR - Locating Type



BX - Floating Type

BEARING		Load Ratings		RPM r/min	D	B	r
Shaft Dia.(d)	Designations millimeter	Dyn. C(kN)	Stat. C ₀ (kN)				
90	SAC 22218 B	225	374	1133	160	40	2
	SAC 23218 B	276	484	866	160	52.4	2
	SAC 21318 B	296	467	866	190	43	3
	SAC 22318 B	438	671	800	190	64	3
95	SAC 22219 B	250	412	1066	170	43	2.1
	SAC 21319 B	322	528	800	200	45	3
	SAC 22319 B	476	737	800	200	67	3
100	SAC 23120 B	280	539	933	165	52	2
	SAC 22220 B	276	456	1000	180	46	2.1
	SAC 23220 B	368	660	733	180	60.3	2.1
	SAC 21320 B	354	583	733	215	47	3
	SAC 22320 B	561	880	733	215	73	3
110	SAC 23022 B	226	484	1000	170	45	2
	SAC 23122 B	325	643	866	180	56	2
	SAC 24122 B	400	825	466	180	69	2
	SAC 22222 B	363	616	933	200	53	2.1
	SAC 23222 B	461	841	666	200	69.8	2.1
	SAC 21322 B	423	693	666	240	50	3
	SAC 22322 B	667	1061	666	240	80	3

ex) Reference No. SAC 22220 B :

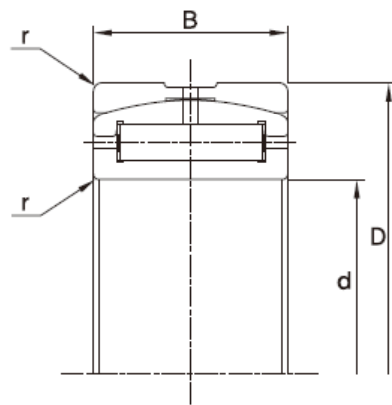
- SAC 22220 BX : Floating Type

- SAC 22220 BR : Locating Type

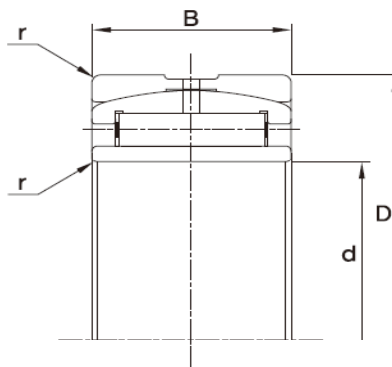
SAC series ,

Self-aligning cylindrical roller bearings

SAC series



BR - Locating Type



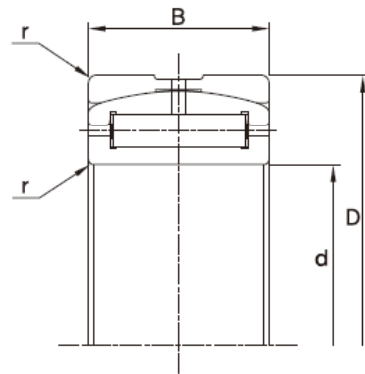
BX - Floating Type

BEARING		Load Ratings		RPM r/min	D	B	r
Shaft Dia.(d)	Designations millimeter	Dyn. C(kN)	Stat. C ₀ (kN)				
120	SAC 23024 B	259	561	933	180	46	2
	SAC 24024 B	317	737	666	180	60	2
	SAC 23124 B	390	764	800	200	62	2
	SAC 24124 B	500	1045	400	200	80	2
	SAC 22224 B	491	841	866	215	58	2.1
	SAC 23224 B	542	1023	633	215	76	2.1
	SAC 22324 B	777	1232	600	260	86	3
130	SAC 23026 B	317	671	866	200	52	2
	SAC 24026 B	405	896	633	200	69	2
	SAC 23126 B	425	858	733	210	64	2
	SAC 24126 B	510	1100	400	210	80	2
	SAC 22226 B	485	880	800	230	64	3
	SAC 23226 B	614	1166	566	230	80	3
	SAC 22326 B	899	1452	566	280	93	4
140	SAC 23028 B	337	748	800	210	53	2
	SAC 24028 B	420	990	600	210	69	2
	SAC 23128 B	475	990	666	225	68	2.1
	SAC 24128 B	585	1276	366	225	85	2.1
	SAC 22228 B	532	990	733	250	68	3
	SAC 23228 B	711	1375	533	250	88	3
	SAC 22328 B	1039	1716	500	300	102	4

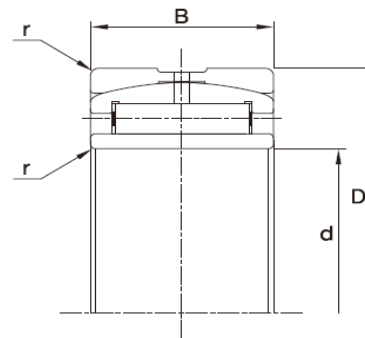
ex) Reference No. SAC 22220 B : - SAC 22220 BX : Floating Type
- SAC 22220 BR : Locating Type

SAC series , Self-aligning cylindrical roller bearings

SAC series



BR - Locating Type



BX - Floating Type

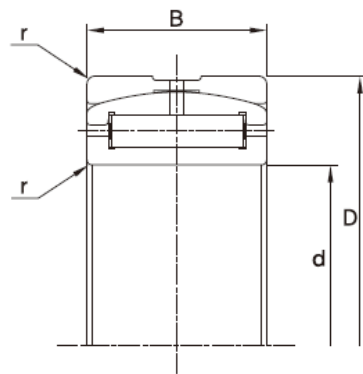
BEARING		Load Ratings		RPM r/min	D	B	r
Shaft Dia.(d)	Designations millimeter	Dyn. C(kN)	Stat. C ₀ (kN)				
150	SAC 23030 B	371	825	733	225	56	2.1
	SAC 24030 B	479	1144	566	225	75	2.1
	SAC 23130 B	630	1320	600	250	80	2.1
	SAC 24130 B	780	1683	333	250	100	2.1
	SAC 22230 B	655	1188	666	270	73	3
	SAC 23230 B	833	1606	500	270	96	3
	SAC 22330 B	1168	1936	466	320	108	4
160	SAC 23032 B	430	968	733	240	60	2.1
	SAC 24032 B	557	1320	500	240	80	2.1
	SAC 23132 B	735	1507	566	270	86	2.1
	SAC 24132 B	904	1936	300	270	109	2.1
	SAC 22232 B	768	1419	633	290	80	3
	SAC 23232 B	952	1826	466	290	104	3
	SAC 22332 B	1269	2156	433	340	114	4
170	SAC 23034 B	527	1166	666	260	67	2.1
	SAC 24034 B	679	1606	466	260	90	2.1
	SAC 23134 B	780	1650	533	280	83	2.1
	SAC 24134 B	930	2046	283	280	109	2.1
	SAC 22234 B	870	1606	566	310	86	4
	SAC 23234 B	1085	2123	433	310	110	4
	SAC 22334 B	1416	2376	433	360	120	4

ex) Reference No. SAC 22220 B : - SAC 22220 BX : Floating Type
- SAC 22220 BR : Locating Type

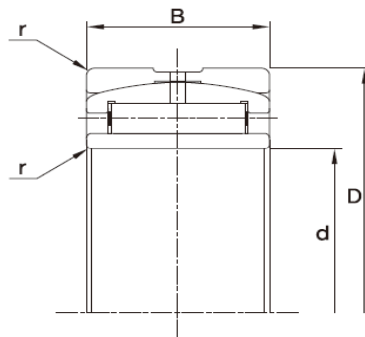
SAC series ,

Self-aligning cylindrical roller bearings

SAC series



BR - Locating Type



BX - Floating Type

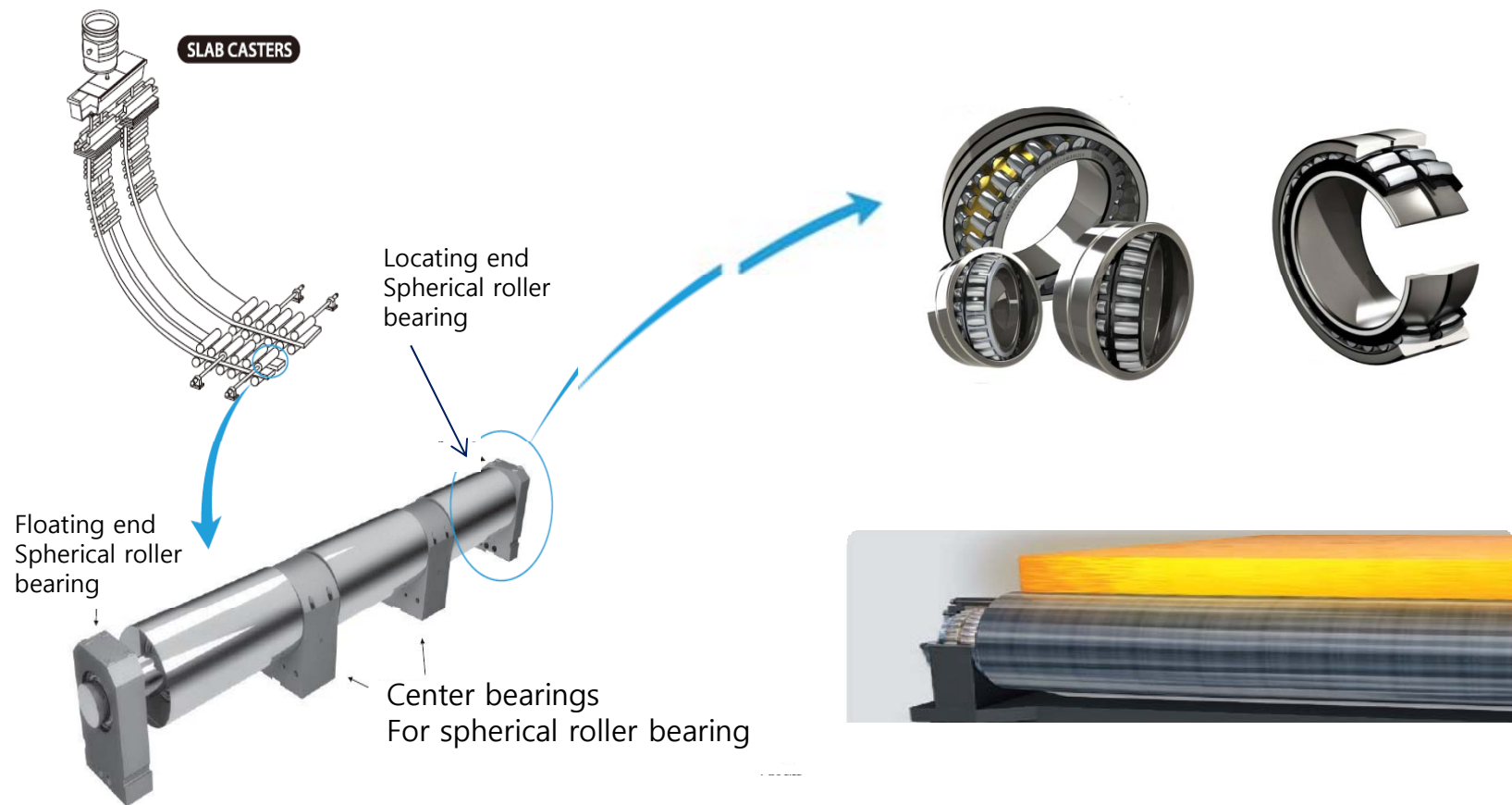
BEARING		Load Ratings		RPM r/min	D	B	r
Shaft Dia.(d)	Designations millimeter	Dyn. C _r (kN)	Stat. C ₀ (kN)				
180	SAC 23936 B	353	913	733	250	52	2
	SAC 23036 B	616	1375	600	280	74	2.1
	SAC 24036 B	796	1903	433	280	100	2.1
	SAC 23136 B	913	1936	500	300	96	3
	SAC 24136 B	1061	2376	266	300	118	3
	SAC 22236 B	898	1716	566	320	86	4
	SAC 23236 B	1148	2332	400	320	112	4
	SAC 22336 B	1591	2695	400	380	126	4
190	SAC 23938 B	339	880	733	260	52	2
	SAC 23038 B	640	1474	566	290	75	2.1
	SAC 24038 B	831	1980	433	290	100	2.1
	SAC 23138 B	1020	2288	466	320	104	3
	SAC 24138 B	1190	2750	250	320	128	3
	SAC 22238 B	987	1870	533	340	92	4
	SAC 23238 B	1299	2640	366	340	120	4
	SAC 22338 B	1720	2915	366	400	132	5
200	SAC 23940 B	447	1144	666	280	60	2.1
	SAC 23040 B	748	1683	533	310	82	2.1
	SAC 24040 B	960	2332	400	310	109	2.1
	SAC 23140 B	1200	2596	433	340	112	3
	SAC 24140 B	1374	3080	233	340	140	3
	SAC 22240 B	1130	2123	500	360	98	4
	SAC 23240 B	1432	2970	366	360	128	4
	SAC 22340 B	1858	3190	366	420	138	5

ex) Reference No. SAC 22220 B : - SAC 22220 BX : Floating Type
 - SAC 22220 BR : Locating Type

Guide roll Bearings of Continuous Casting _ SRB series

SRB series

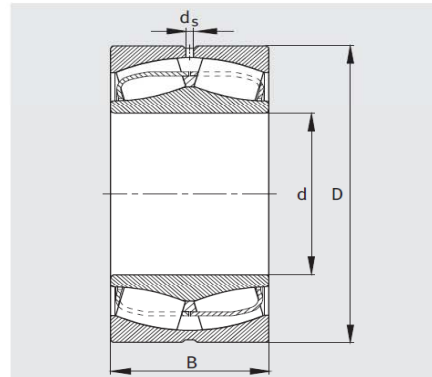
Spherical Roller Bearings for Continuous caster



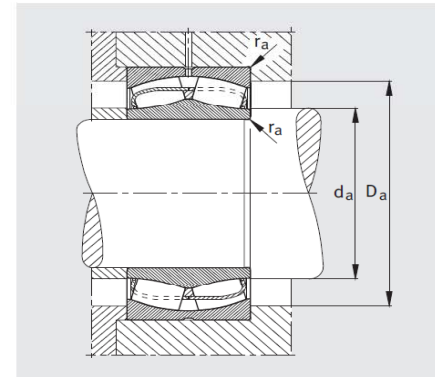
SRB series , Spherical roller bearings for continuous caster

Spherical Roller Bearings

With cylindrical bore



Dimensions



Mounting dimensions

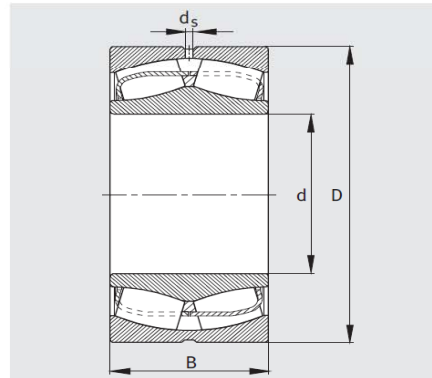
Dimension Table - Dimensions in mm											
Designation	Mass (~Kg)	Dimensions				Mounting dimensions			Basic load ratings stat. Cor kN	Calculatio	
		d	D	B	ds	da min.	Da max.	r max.		e	Yo
24013CCS1C4	0.98	65	100	35	2	71	94	1.5	173	0.27	2.5
24015CCS1C4	1.6	75	115	40	3	81	109	1.5	232	0.28	2.5
22216CCS1C4	2.13	80	140	33	2	91	126	2	270	0.22	3.07
22217CCS1C4	2.65	85	150	36	2	96	139	2	325	0.22	2.97
23220CCS1C4	6.45	100	180	60.3	4.8	112	168	2.1	660	0.31	2.1
24020CCS1C4	3.2	100	150	50	3	107	143	1.5	415	0.28	2.5
24120CCS1C4	5.65	100	165	65	2	111	154	2	640	0.37	1.8
23022CCS1C4	3.67	110	170	45	3.2	118.8	161.2	2	530	0.23	2.83
24122CCS1C4	6.8	110	180	69	3.2	121	169	2	750	0.34	1.92
24024CCS1C4	5.4	120	180	60	3.2	128.8	171.2	2	690	0.29	2.28
23024CCS1C4	4.17	120	180	46	3.2	128.8	171.2	2	585	0.22	2.97
24124CCS1C4	10	120	200	80	3.2	131	189	2	950	0.37	1.8

SRB series ,

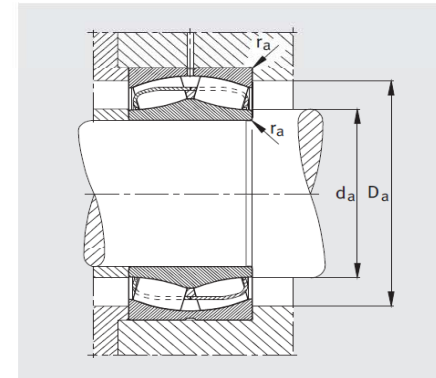
Spherical roller bearings for continuous caster

Spherical Roller Bearings

With cylindrical bore



Dimensions

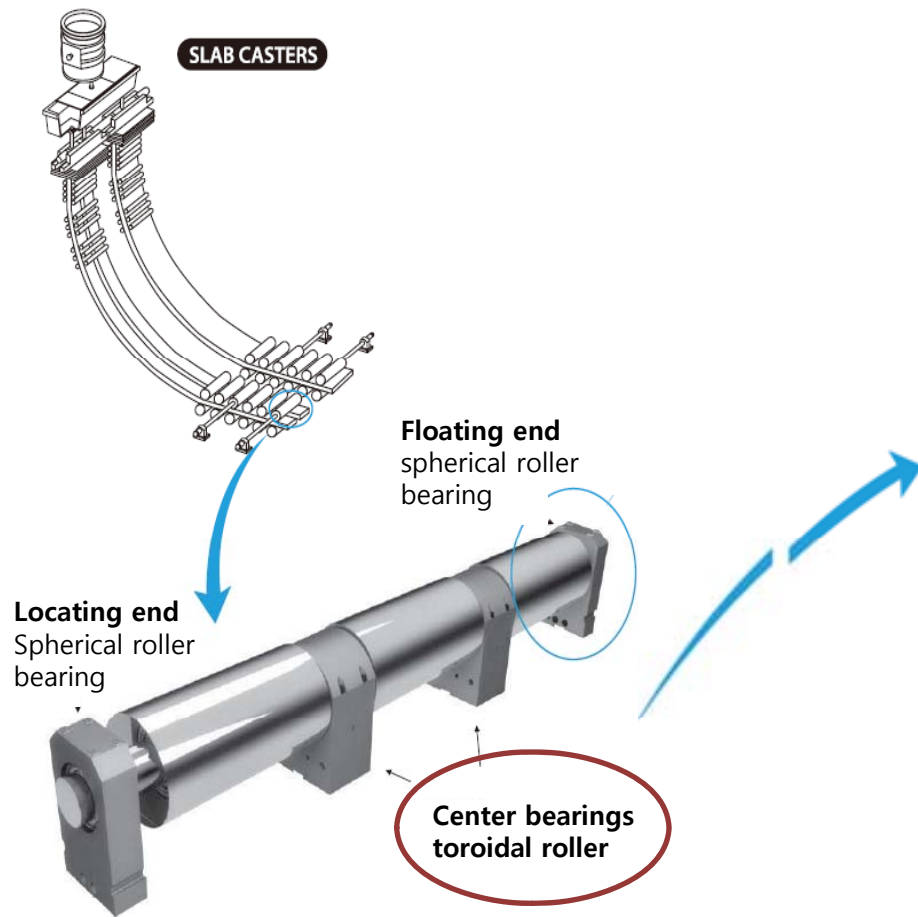


Mounting dimensions

Dimension Table - Dimensions in mm											
Designation	Mass (~Kg)	Dimensions				Mounting dimensions			Basic load ratings stat. C _{or} kN	Calculation Factors	
		d	D	B	d _s	d _a min.	D _a max.	r max.		e	Y _o
24026CCS1C4	7.9	130	200	69	3.2	138.8	191.2	2	860	0.31	2.16
24126CCS1C4	10.7	130	210	80	3.2	141	199	2	1,050	0.34	1.93
24028CCS1C4	8.3	140	210	69	4.8	148.8	201.2	2	930	0.28	2.32
24128CCS1C4	13	140	225	85	3.2	152	213	2.1	1,190	0.34	1.94
24030CCS1C4	10.5	150	225	75	4.8	160.2	214.8	2.1	1,090	0.29	2.26
24130CCS1C4	19.6	150	250	100	4.8	162	238	2.1	1,520	0.37	1.79
24032CCS1C4	12.7	160	240	80	4.8	170.2	229.8	2.1	1,240	0.29	2.26
24038CCS1C4	24.5	190	290	100	2.1	200.2	279.8	2.1	1,960	0.34	1.96
24040CCS1C4	30.4	200	310	109	2.1	210.2	299.8	2.1	2,280	0.35	1.89

*Special C.C SRB : 533653(d100 XD170xB65), 541019(d90xD150XB72, no lubrication holes), 549293A(d90xD150XB72-w/Lubrication holes), SPH55/95X37(d55xD95XB37)

Guide roll Bearings of Continuous Casting _ Toroidal series



TOROIDAL series

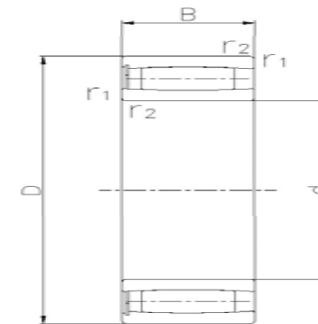
**Toroidal roller bearings
for continuous caster**



Toroidal series,

Toroidal roller bearings for continuous caster

Toroidal roller bearings For continuous caster

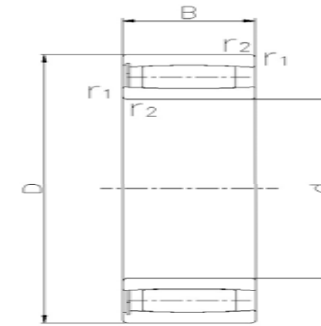


Dimension Table - Dimensions in mm						
Designation	Mass m (~Kg)	Dimensions				Basic load ratings stat. Cor KN
		d	D	B	$r_{1,2}$ min.	
T4020	3.1	100	150	50	1.5	530
T3120	4.3	100	165	52	2	655
T4120	5.4	100	165	65	2	655
T4022	4.8	110	170	60	2	800
T4122	6.5	110	180	69	2	1,000
T4024	5.1	120	180	60	2	880
T4026	7.7	130	200	69	2	930
T4028	7.9	140	210	69	2	1,220
T4030	10	150	225	75	2.1	1,320
T4032	12.2	160	240	80	2.1	1,160
T4034	16.9	170	260	90	2.1	1,860
T4036	21.9	180	280	100	2.1	1,320

Toroidal series,

Toroidal roller bearings for continuous caster

Toroidal roller bearings For continuous caster

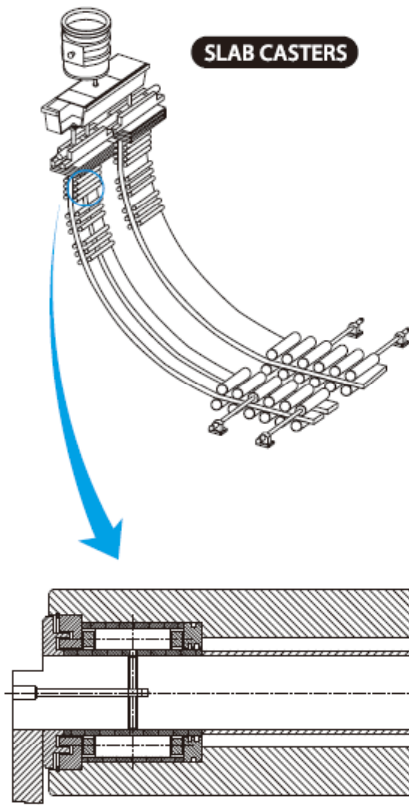


Dimension Table _ dimension in mm						
Designation	Mass m (~Kg)	Dimensions				Basic load ratings Stat. COr Kn
		d	D	B	r1,2 min.	
T5020	4.5	100	150	67	1.5	867
T5915	1.2	75	105	40	1	324
T5918	1.8	90	125	46	1.1	402
T6912	0.83	60	85	45	1	336
T6915	1.4	75	105	54	1	325

Guide roll Bearings of Continuous Casting _ HSL1850..series

HSL1850...series

Cylindrical roller bearings _ Mold & upper segment in continuous caster



Double row full complement
Cylindrical roller bearings_ SL1850..series



Advantages and special features

- semi-locating & locating bearings
- High radial load carrying capacity
- High rigidity
- Suitable for particularly compact designs

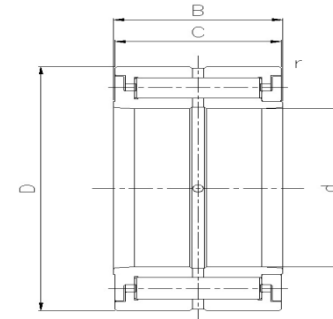
HSL 04 & 18 ... series,

Full complement cylindrical roller bearings for continuous caster



Cylindrical roller bearings for Continuous caster

Full complement single roller type, sealed
Locating bearings



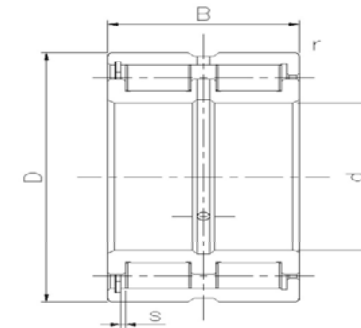
Dimension Table -Dimensions in mm										
Designation	Mass m ~ kg	Dimensions					Basic load ratings		Fatigue limit load C _{ur} N	Limiting speeds n _{G grease} min ⁻¹
		d	D	B	C	r	dyn. C _r N	stat. C _{0r} N		
HSL 04 5008	0.56	40	68	38	37	0.6	76000	103000	16000	2400
HSL 04 5009	0.7	45	75	40	39	0.6	92000	130000	19900	2200
HSL 04 5010	0.76	50	80	40	39	0.6	97000	142000	21700	2000
HSL 04 5011	1.18	55	90	46	45	0.6	115000	175000	25500	1800
HSL 04 5012	1.26	60	95	46	45	0.6	120000	189000	27500	1700
HSL 04 5013	1.33	65	100	46	45	0.6	125000	203000	29500	1600
HSL 04 5014	1.87	70	110	54	53	0.6	168000	265000	36000	1400
HSL 04 5015	1.96	75	115	54	53	0.6	194000	300000	42000	1400
HSL 04 5016	2.71	80	125	60	59	0.6	203000	325000	45000	1300
HSL 04 5017	2.83	85	130	60	59	0.6	211000	350000	47500	1200
HSL 04 5018	3.71	90	140	67	66	0.6	305000	510000	69000	1100
HSL 04 5019	3.88	95	145	67	66	0.6	315000	530000	71000	1100

Toroidal series,

Toroidal roller bearings for continuous caster

Cylindrical roller bearings for continuous caster

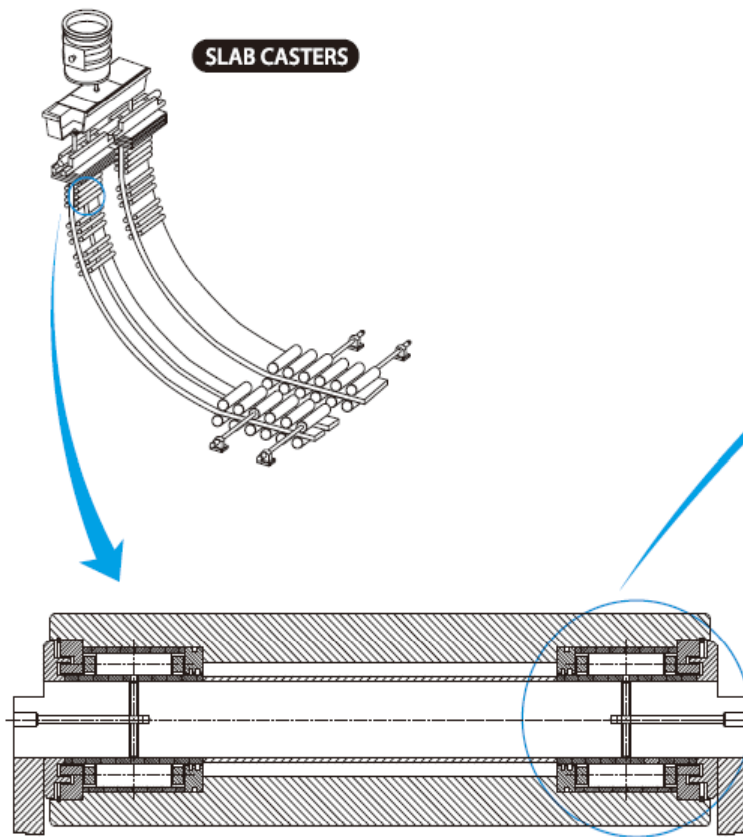
Full complement double roller type, sealed
Locating bearings



Dimension mm											
Designation	Mass m ~ kg	Dimensions					Basic load ratings		Fatigue limit load C _{ur} N	Limiting speed n _G min ⁻¹	Reference speed n _B min ⁻¹
		d	D	B	r min.	s	dyn. C _r N	stat. C _{0r} N			
HSL 18 5008	0.56	40	68	38	1	1.5	105000	167000	22400	6000	4100
HSL 18 5009	0.71	45	75	40	1	1.5	120000	178000	24900	5400	3800
HSL 18 5010	0.76	50	80	40	1	1.5	151000	191000	30000	5000	3300
HSL 18 5011	1.16	55	90	46	1.1	1.5	206000	275000	45000	4450	2950
HSL 18 5012	1.24	60	95	46	1.1	1.5	212000	290000	47500	4200	2750
HSL 18 5013	1.32	65	100	46	1.1	1.5	223000	320000	52000	3550	2550
HSL 18 5014	1.85	70	110	54	1.1	3.0	265000	355000	59000	3600	2600
HSL 18 5015	1.93	75	115	54	1.1	3.0	275000	390000	65000	3400	2390
HSL 18 5016	2.59	80	125	60	1.1	3.5	295000	450000	62000	3150	2310
HSL 18 5017	2.72	85	130	60	1.1	3.5	305000	475000	64000	3000	2190
HSL 18 5018	3.62	90	140	60	1.5	4.0	355000	560000	76000	2800	2120

Guide roll Bearings of Continuous Casting _ NA69..S3 series

Needle roller bearings- Mold & upper segment in continuous caster



HKT Needle roller bearings _ NA69..S3 series



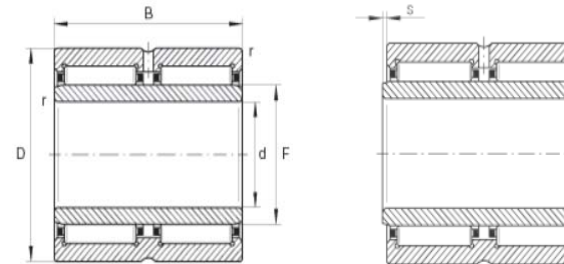
Advantages and special features

- NA type **S3** suffix for heat stabilisation
- best experience with clearance **>C4**
- two rows (optional)
- High temperature (~300° C)
- Heavy stock load
- Space limitations
- Easy fitting dismounting

NA69...S3 series, Needle roller bearings for continuous caster

Needle roller Bearings for continuous caster

With inner ring



Dimension Table-Dimension in mm												
Designation	Mass m ~ g	Dimensions						Basic load ratings		Fatigue limit load C _{ur} N	Limiting speed n _G min ⁻¹	Reference speed n _B min ⁻¹
		d	F	D	B	r min.	s ²⁾	dyn. C _r kN	stat. C _{0r} kN			
NA6908	430	40	48	62	40	0.6	0.5	74	116	19,400	9,600	5,400
NA6909	495	45	52	68	40	0.6	0.5	79	127	21,400	8,700	4,850
NA6910	515	50	58	72	40	0.6	0.5	82	139	23,400	8,000	4,400
NA6911	780	55	63	80	45	1	1.5	102	176	30,000	7,300	4,100
NA6912	808	60	68	85	45	1	1.5	106	191	32,500	6,800	3,750
NA6913	833	65	72	90	45	1	1.5	108	198	33,500	6,300	3,550
NA6914	1,340	70	80	100	54	1	1	145	265	47,500	5,800	3,400
NA6915	1,450	75	85	105	54	1	1	147	275	49,500	5,400	3,200
NA6916	1,522	80	90	110	54	1	1	153	300	53,000	5,200	3,000
NA6917	2,200	85	100	120	63	1.1	1	188	400	71,000	4,800	2,850
NA6918	2,310	90	105	125	63	1.1	1	195	425	74,000	4,500	2,700
NA6919	2,500	95	110	130	63	1.1	1	197	440	76,000	4,350	2,600

- Heat-treatment suffix **S3 (350°C)**
- Radial special clearance **R200-250mm**

HKT Guide Roll Bearings for Continuous Caster_20180409

Thank you !!



HKT BEARINGS LIMITED
13-17th April ,2015
Hall 16, Booth D17-14
Hannover, Germany



DÜSSELDORF/GERMANY
16-20 JUNE 2015

METEC
INTERNATIONALE METALLURGIE-
FACHMESSE MIT KONGRESSEN
9th INTERNATIONAL METALLURGICAL
TRADE FAIR WITH CONGRESSES



DUSELDORF/GERMANY 16-20 JUNE 2015 METEC 2015
HKT BEARINGS LIMITED Hall 3 , Booth C63

HKT BEARINGS LIMITED

162B-3L NAMDONG INDUSTRIAL COMPLEX 736-6,
GOJAN-DONG, NAMDONG-GU, INCHEON, KOREA
TEL: +82-32-822-7607
FAX: +82-32-865-9164
E-mail: hktbrg01@chol.com
Website: www.hktbearings.com

@Manufacturer : HKT Tech. Sales Dept. Kim, Il-Ho