

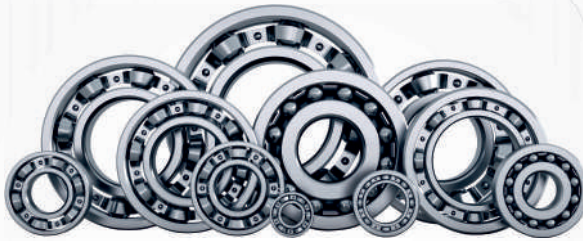


BELG ®
BEARINGS

FOR METAL INDUSTRY

BELGO[®]

BEARINGS



BELGO BEARINGS FOR METAL INDUSTRY



From the melting furnaces to the hot mill, through the finishing stands, all along the way, our Belgo[®] Bearings carry the loads that make, move, and shape the metal into its final marketable form. Our bearings are used every day in the metal industry to roll out finished aluminum, steel, and brass. Our Solutions.

Bearings in the steel mill and primary metal industry operate in extreme conditions which need to overcome high temperatures, high impact and heavy load amounts and must be taken into consideration when selecting the best Our Solutions for your applications.



GO FOR REVOLUTIONARY ENGINEERING

www.belgo-bearings.com
www.belgo-industry.com

OUR SOLUTIONS FOR BULK MATERIAL CONVEYORS

BELGO® BEARING UNITS



- Available with dust covers.
- Easy to install/remove.
- Choose from unit with re-lubrication fitting or without.

BELGO® TRIPLE-LIP SEALED BEARINGS FOR BEARING UNITS



- Excellent dust and water-resistance.
- Low-torque and high-torque options.

BELGO® PLUMMER BLOCKS



- High sealing performance.
- Vibration resistance.
- Fitted with re-lubricating hole.

Note : Specially-coated housings are also available

OUR SOLUTIONS FOR SINTERING EQUIPMENT

BELGO® SEALED DOUBLE ROW CYLINDRICAL ROLLER BEARINGS



- High sealing performance.
- Long operating life.
- Improved cracking strength.

BELGO® SEALED DOUBLE ROW TAPERED ROLLER BEARINGS



- High-load capacity.
- High sealing performance.
- Improved easy handling.
- Improved cracking strength.

BELGO® SPLIT SPHERICAL ROLLER BEARINGS



- High sealing performance.

OUR SOLUTIONS FOR CONVERTER FURNACES

BELGO® BIG-SIZE SPHERICAL ROLLER BEARINGS



- High-load capacity.

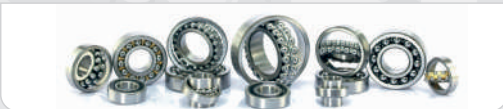
BELGO® BIG-SIZE SPLIT SPHERICAL ROLLER BEARINGS



- Improved easy handling.
- Interchangeability.

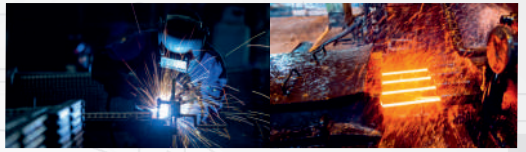
OUR SOLUTIONS FOR CONTINUOUS CASTING EQUIPMENT

BELGO® CYLINDRICAL ROLLER BEARING (SELF-ALIGNING RING)



BELGO® SPLIT CYLINDRICAL ROLLER BEARINGS (WATER COOLED HOUSING)





OUR SOLUTIONS FOR ROLLING MILL EQUIPMENT

BELGO® SEALED FOUR ROW TAPERED ROLLER BEARINGS FOR ROLLING MILL ROLL NECKS



- ⊗ High-load capacity.
- ⊗ Long operating life.

BELGO® BIG-SIZE FOUR ROW TAPERED ROLLER BEARINGS FOR BACKUP ROLLS



- ⊗ High-load capacity design.
- ⊗ Heavy load resistant design.
- ⊗ Improved water-resistant seal performance.

BELGO® BIG-SIZE FOUR ROW CYLINDRICAL ROLLER BEARINGS FOR BACKUP ROLLS



- ⊗ High-load capacity.
- ⊗ Resistant to scratch damage when installing .

BELGO® DOUBLE ROW STEEP ANGLE TAPERED ROLLER BEARINGS FOR BACKUP ROLLS



- ⊗ High-load capacity.
- ⊗ Axial load resistance performance.

BELGO® SPLIT CYLINDRICAL ROLLER BEARINGS FOR PILGER MILL CRANKSHAFTS



- ⊗ Impact resistant.
(Optimal design yields high load capacity and robust retainer strength)

BELGO® TAPERED ROLLER THRUST BEARINGS FOR ROLLING MILL SCREW-DOWN APPLICATIONS



- ⊗ High load capacity.
- ⊗ Shape adaption.

BELGO® OPEN BEARINGS FOR SENDZIMIR MILL BACKUP ROLLS



- ⊗ High load capacity.
- ⊗ Multiple service campaigns.
- ⊗ Thickness variance control.

BELGO® SEALED BEARINGS FOR SENDZIMIR MILL BACKUP ROLLS



- ⊗ Long operating life.
- ⊗ High sealing performance.



BELGO® SPHERICAL BEARING DESIGNATIONS FOR METAL INDUSTRY

Designation	d	D	B	Application
22220 MBKW33	100	180	46	Travelling crane
22236 CC5S3W33	180	320	86	Rolling mill
22318 MBC5S3W33	90	190	64	Furnace crane rail
22315 CW33	75	160	55	Gearbox
T 21148 MBC5W33	240	400	160	Rolling mill
T 22236 CAC3W33	180	320	86	Rolling mill

MB = central fixed rib and machined brass cages guided on the inner ring rib.
 C = central guide rib floating on the inner ring, pressed sheet cage;
 K = Taper bore, taper 1:12;
 W33 = Annular lubrication groove and oil holes in outer ring;
 C5 = Radial clearance greater than normal;
 S3 = Special heat treatment for operating temperature up to 300°C

BELGO® CYLINDRICAL ROLLER BEARING DESIGNATIONS FOR METAL INDUSTRY

Dimensions					Basic radial		Speed Limit	Designations			
d	D	B	r _{s min}	r _{1s min}	F	Dyn.	Static		Gr min ⁻¹ oil		
65.019	110	140	1.5	1	86.9	214	474	5700	7200	CR0113.13 V	
80	125	80	1.1	1	94.5	355	833	1700	2100	NNU6016 VC3	
90	125	68	1.5	1.5		115	257	602	1500	1900	4NNU5118 VW33
100	140	90	2		110		327	713			491420 M
130	182	81.5	2	2		170.4	505	1084			3NN5226 VP5
130	300	172.65	3.5	3.5	159.5	1457	2613	2200	2600		3NN5126 P6NAS1W26
140	215	100	3	3	160.1	756	1589	2200	2600		3NNU5128 V
145	210	155	2	2	166	790	1930				4NNU5129 PMC4W8
160	230	168	1.5	1.5	179	896	2202	2400	3000		4NNU5232 PMC3
160	230	168	1.5	1.5	179	896	2202	2400	3000		4NNU5232 PMW8
160	230	168	1.5	1.5	182	850	2215	2400	3000		4NNU5232 PMC4W8F182
170	230	180	1.5	1.5		215	999	2847	750	900	3NN5234 C3
180	260	168	2.1	2.1	202	1105	2563	1700	2000		4NNU5136 PMW8
190	260	101	2	2	240.5	774	1933	750	900		3NN5138 VC3W33
190	270	200	2.1	2.1	212	1330	3296	1600	2000		4NNU5138 PMW8
200	280	116	2.1	2.1		259.2	903	2216			3NN5140 VC3W33
200	280	116	2.1	2.1		259.2	903	2216			3NNC5140 VW33
200	280	152	2.1	2.1		259.2	1190	3015	700	850	4NNU5140 VC3W8
200	280	152	2.1	2.1		259.2	1190	3015	700	850	4NNU5240 VC3W8
200	290	192	2.1	2.1	226	1403	3387	1500	1800		4NNU5140 PMC3W8
220	300	116	2.1	2.1		276.4	939	2387			3NN5144 VC3W33
230	330	206	2.1	2.1	260	1625	4014	1300	1600		4NNU5146 PMC4
260	370	220	3	3	292	2018	5241	300	500		4NNU5152 PMC4
280	380	146	2.1	2.1		353	1527	4067			3NN5156VC3W33
280	390	220	3	3	312	2058	5470				4NNU5156 PMC3W8
300	420	118	3	3	339	2036	5886	1200	1700		2xNNU4960 MC3W33
300	420	118	3	3	339	2772	8829	1200	1700		3xNNU4960 MC3W33
320	440	118	3	3	359	2115	6220	1100	1600		2xNNU4964 MC3W33
420	560	140	4	4	466	5155	20264	900	1300		4xNNU4984 MC3W33

For any other Belgo® Bearing designations that you need for metal industry, please check our general catalogues or contact us.



BELGO 
BEARINGS

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