



**URB GROUP**



***BEARINGS FOR MINING  
INDUSTRY***



## Bearings for the mining industry must meet special requirements

- \* High operational reliability
- \* Reduced maintenance requirements

- \* High load carrying capacity
- \* Simple mounting and dismounting

In the mining sector severe operating and environmental conditions require extremely robust bearings.

Bearings for mining industry it is used of bucket wheel excavators, draglines, conveyor belts, trucks, stackers, transport equipment and mine, loaders, long wall shearers, hoists.

Mining industry use many types of bearings: rolling bearings, deep groove ball bearings, spherical roller bearings and tapered roller bearings.

### Deep groove ball bearings - special design

Mining industry use belt conveyors for transporting bulk materials. The conveyors run on idlers and many extend over many kilometers; thus the number of idlers needed may be very large. The deep groove bearings (design ZZR and 2RSR) are sealed by dust shields and seals on both sides, and filled with grease for service life.

Dimensions [mm]			Basic radial load		Speed limit grease	Designation
			Dyn.	Static		
d	D	B	C <sub>r</sub> kN	C <sub>or</sub> kN	min <sup>-1</sup>	Bearing
19	35	10	6	3.3	12000	6003/19
20	47	14	12.8	6.7	15000	692204TN
20	47	15.18	12.8	6.7	10000	204 WR Z22 SFA
20	52	21	16	7.9	8000	62304-2RSR
20	60	31.6	16	7.9	8000	690204C3S3
20	80	15	16	7.9	8000	500504-2RSRTNC3
24.2	47	19.8	10.1	5.9	8000	696205-2RSRTN
25	52	12	14	7.9	8000	420205
25	52	18	14	7.9	8000	62205-2RSR
25	62	24	20.6	11.2	7000	62305-2RSR
25	67	19	20.6	11.2	9000	691305TN
25.4	52	15	14	7.9	12000	6205/25.4UGC3
26	47	19.6	10.1	5.9	8000	696405-2RSRACRTNC3L21
27	47	8	9.1	5.55	15000	6005 SOF2
30	55	13	13.2	8.2	7000	6006A-2RSRTN
30	55	18.9	13.2	8.2	7000	696906-2ZRC3
30	62	16	19.5	11.4	7500	96108006
30	62.1	24.5	13.2	8.2	7000	697106
30	65	21	25	14	6000	630374-2RSTNC4
30	65	21	25	14	6000	697006-2RSTNC4
30	72	19	26.5	15	6000	96108005
30	72	28	28.3	16	7000	10/330 PZ
30	75	19	30.7	19.6	9000	697706MPA
30	75	19	32.9	17.6	9000	698806MBC3
33	66	17	17.8	11.2	9000	65907
35	72	17	25.7	15.6	7000	6207RSDNBTNEL
35	72	25	25.7	15.6	7000	88507
60	110	25	52.4	36.3	4000	6212-2RSR/B25
63.5	100.3	21.8	25.4	22.3	5500	691013
70	148	45	48.4	39.7	3600	690916M
210	290	23.5	54.9	73.7	1800	690342

### Spherical roller bearings

In the mining sector severe operating and environmental conditions require extremely robust bearings.

Mining machinery faces some of the toughest terrains and operating conditions of any industry.

Heavy loads, debris, severe misalignment and wide variances in speeds are some of the challenges faced by bearings in the excavating, loading, hauling and processing equipment.

Dimensions [mm]			Basic radial load		Speed limit oil	Designation	
			Dyn.	Static		Weight [kg]	Bearing
d	D	B	C <sub>r</sub> kN	C <sub>or</sub> kN	min <sup>-1</sup>		
75	160	55	415	520	3000	5.28	22315C
85	180	41	350	450	2800	5.10	22317C
90	190	64	570	730	2400	8.70	22318C
100	215	73	730	960	2000	13.2	22320C
100	180	46	375	500	2800	5.24	22220C
110	240	80	870	1160	1900	18	22322MB
200	360	98	1140	1716	1200	44.4	22240MB
240	440	120	1818	2701	1000	85.2	22248MB
460	760	300	7250	14600	670	560	24192C



### URB GROUP

320 Republicii Street, Code 731108, Barlad, ROMANIA

phone: +40 235 / 411120, 412120 fax: +40 235 / 413838, 308200

e-mail: [sales@urb.ro](mailto:sales@urb.ro) web: <http://www.urbgroup.com>