



## **BLS ZZ -60°**

### **Ball Bearings for Low Temperature**

The BLS ZZ -60° bearings are developed based on the structure of a standard bearing but with appropriate treatments of stabilisation, radial clearance, grease and ZZ shields that make them suitable for operation from -60° to +100°. Their application range is extremely wide and covers many areas; in particular, the BLS ZZ -60° allows an exceptional range of safety in all applications where they can also occur temporarily and for reasons not dependant on the will of the design, temperatures particularly low.

#### **Technical characteristics:**

Material Steel AISI 52100 (Chrome) stabilized to the application  
Radial Clearance C4  
Lamination Steel type ZZ  
Greasing with grease for temperatures down to -60°

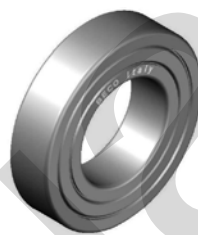
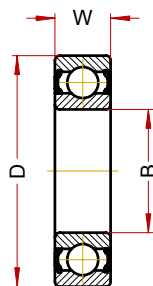
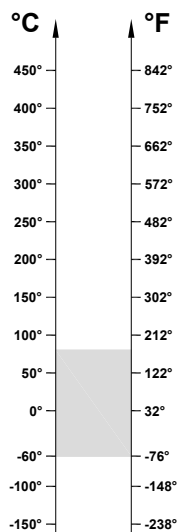
#### **Fields of application:**

Installations for the production of gas  
Equipment for refrigeration rooms  
Facilities for ski resorts  
Special vehicles for artic use



## BLS ZZ -60° (6000 Serie)

### Ball Bearings for Low Temperature



OPERATING RANGE: -60° / 100°C

ECONOMIC OPERATING RANGE: -60° / 100°C

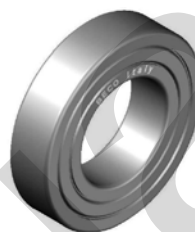
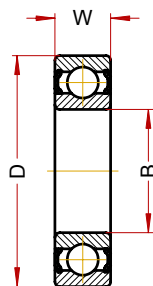
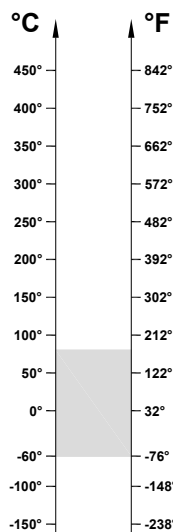
Designation	Bore (B)	Diam (D)	Widht (W)	Weight g	Speed RPM/min (*)	Static Load, kN at 100°	Static Load, kN at 20°
6000 BLS ZZ -60°	10	26	8	20	6000	1,76	1,96
6001 BLS ZZ -60°	12	28	8	25	5800	2,1	2,36
6002 BLS ZZ -60°	15	32	9	30	5600	2,5	2,85
6003 BLS ZZ -60°	17	35	10	40	5400	2,9	3,25
6004 BLS ZZ -60°	20	42	12	69	5200	4,5	5
6005 BLS ZZ -60°	25	47	12	80	4800	5,2	5,85
6006 BLS ZZ -60°	30	55	13	120	4400	7,2	8
6007 BLS ZZ -60°	35	62	14	160	4000	9,45	10,4
6008 BLS ZZ -60°	40	68	15	190	3600	10,7	11,8
6009 BLS ZZ -60°	45	75	16	250	3200	13	14,3
6010 BLS ZZ -60°	50	80	16	260	2800	14,18	15,6
6011 BLS ZZ -60°	55	90	18	390	2400	19,27	21,2
6012 BLS ZZ -60°	60	95	18	420	2000	21	23,2
6013 BLS ZZ -60°	65	100	18	440	1800	22,72	25
6014 BLS ZZ -60°	70	110	20	600	1600	28,63	31,5
6015 BLS ZZ -60°	75	115	20	640	1400	30,9	34
6016 BLS ZZ -60°	80	125	22	850	1200	36	40
6017 BLS ZZ -60°	85	130	22	890	1000	39	42,9
6018 BLS ZZ -60°	90	140	24	1150	900	46,36	49,9
6019 BLS ZZ -60°	95	145	24	1200	800	49	53,95
6020 BLS ZZ -60°	100	150	24	1250	700	49	53,95

**OPERATING RANGE** is the correct technical range in which can be used the bearing with good operating result.

**ECONOMIC OPERATING RANGE** is the range of temperature in which you can find, according to our study experience and know-how, the better relation price - quality life-time.

## BLS ZZ -60° (6200 Serie)

### Ball Bearings for Low Temperature



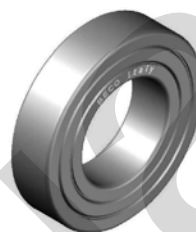
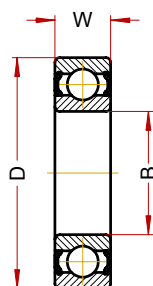
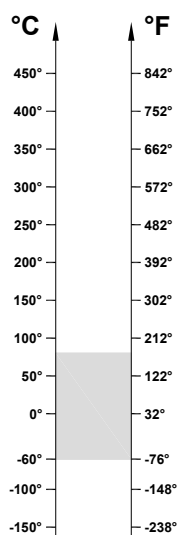
OPERATING RANGE: -60° / 100°C

ECONOMIC OPERATING RANGE: -60° / 100°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight g	Speed RPM/min (*)	Static Load, kN at 100°	Static Load, kN at 20°
6200 BLS ZZ -60°	10	30	9	30	5800	2,3	2,6
6201 BLS ZZ -60°	12	32	10	37	5600	2,8	3,1
6202 BLS ZZ -60°	15	35	11	45	5400	3,4	3,75
6203 BLS ZZ -60°	17	40	12	65	5200	4,3	4,75
6204 BLS ZZ -60°	20	47	14	110	4800	5,9	6,55
6205 BLS ZZ -60°	25	52	15	130	4400	7,2	8
6206 BLS ZZ -60°	30	62	16	200	4000	10	11,2
6207 BLS ZZ -60°	35	72	17	290	3600	13,9	15,3
6208 BLS ZZ -60°	40	80	18	370	3200	16,36	18
6209 BLS ZZ -60°	45	85	19	410	2800	18,55	20,4
6210 BLS ZZ -60°	50	90	20	460	2400	21,8	24
6211 BLS ZZ -60°	55	100	21	610	2000	26,36	29
6212 BLS ZZ -60°	60	110	22	780	1800	32,72	36
6213 BLS ZZ -60°	65	120	23	990	1600	37,72	41,5
6214 BLS ZZ -60°	70	125	24	1040	1400	40	44
6215 BLS ZZ -60°	75	130	25	1210	1200	44,55	49
6216 BLS ZZ -60°	80	140	26	1400	1000	50	55
6217 BLS ZZ -60°	85	150	28	1800	900	58,18	64
6218 BLS ZZ -60°	90	160	30	2150	800	66,8	73,5
6219 BLS ZZ -60°	95	170	32	2600	700	74	81,5
6220 BLS ZZ -60°	100	180	34	3150	600	84,5	93

**OPERATING RANGE** is the correct technical range in which can be used the bearing with good operating result.

**ECONOMIC OPERATING RANGE** is the range of temperature in which you can find, according to our study experience and know-how, the better relation price - quality life-time.

**BLS ZZ -60° (6300 Serie)****Ball Bearings for Low Temperature**

OPERATING RANGE: -60° / 100°C

ECONOMIC OPERATING RANGE: -60° / 100°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight g	Speed RPM/min (*)	Static Load, kN at 100°	Static Load, kN at 20°
6300 BLS ZZ -60°	10	35	11	52	5600	2,8	3,1
6301 BLS ZZ -60°	12	37	12	60	5400	3,36	3,7
6302 BLS ZZ -60°	15	42	13	80	5200	4,36	4,8
6303 BLS ZZ -60°	17	47	14	120	4800	5,27	5,8
6304 BLS ZZ -60°	20	52	15	140	4400	6,9	7,6
6305 BLS ZZ -60°	25	62	17	225	4000	9,27	10,2
6306 BLS ZZ -60°	30	72	19	350	3600	13,27	14,6
6307 BLS ZZ -60°	35	80	21	450	3200	15,55	17,1
6308 BLS ZZ -60°	40	90	23	620	2800	20,45	22,5
6309 BLS ZZ -60°	45	100	25	830	2400	26,18	28,8
6310 BLS ZZ -60°	50	110	27	1050	2000	31	34,2
6311 BLS ZZ -60°	55	120	29	1350	1800	38,8	42,7
6312 BLS ZZ -60°	60	130	31	1700	1600	42,5	46,8
6313 BLS ZZ -60°	65	140	33	2100	1400	49	54
6314 BLS ZZ -60°	70	150	35	2500	1200	55,6	61,2
6315 BLS ZZ -60°	75	160	37	3000	1000	62,55	68,8
6316 BLS ZZ -60°	80	170	39	3600	900	70,7	77,8
6317 BLS ZZ -60°	85	180	41	4250	800	78,9	86,8
6318 BLS ZZ -60°	90	190	43	4900	700	88,4	97,2
6319 BLS ZZ -60°	95	200	45	5650	600	96,5	106,2
6320 BLS ZZ -60°	100	215	47	7000	500	114,5	126

**OPERATING RANGE** is the correct technical range in which can be used the bearing with good operating result.

**ECONOMIC OPERATING RANGE** is the range of temperature in which you can find, according to our study experience and know-how, the better relation price - quality life-time.