



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°

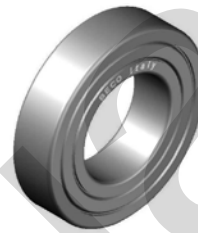
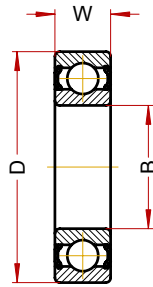
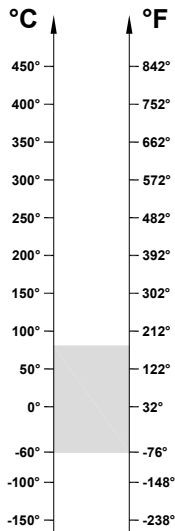
Fields of application:

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

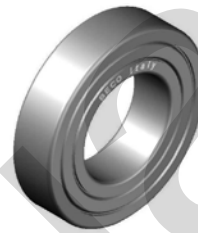
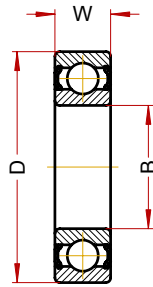
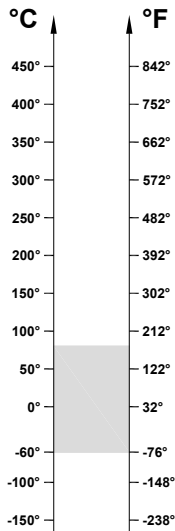
Designation	Bore (B)	Diam (D)	Widht (W)	Weight g	Speed RPM/min (*)	Static Load, kN at 100°	Static Load, kN at 20°
6000 BLS ZZ -60°	10	26	8	20	6000	1,76	1,96
6001 BLS ZZ -60°	12	28	8	25	5800	2,1	2,36
6002 BLS ZZ -60°	15	32	9	30	5600	2,5	2,85
6003 BLS ZZ -60°	17	35	10	40	5400	2,9	3,25
6004 BLS ZZ -60°	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

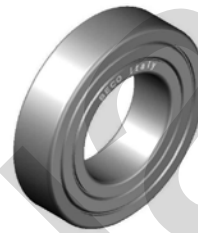
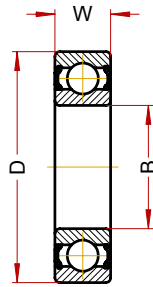
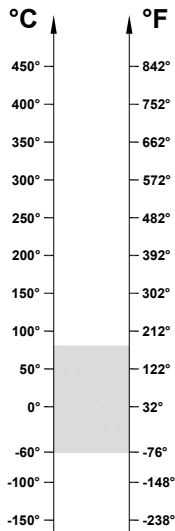
Designation	Bore (B)	Diam (D)	Width (W)	Weight g	Speed RPM/min (*)	Static Load, kN at 100°	Static Load, kN at 20°
6200 BLS ZZ -60°	10	30	9	30	5800	2,3	2,6
6201 BLS ZZ -60°	12	32	10	37	5600	2,8	3,1
6202 BLS ZZ -60°	15	35	11	45	5400	3,4	3,75
6203 BLS ZZ -60°	17	40	12	65	5200	4,3	4,75
6204 BLS ZZ -60°	20	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)	Widht (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.