



BHTS ZZ C4 220°-250°

Ball Bearings for High Temperature

The BHTS ZZ C4 220°-250°C ball bearings are developed based on the structure of a standard bearing but with appropriate treatment of stabilization, radial clearance, greases and ZZ shields which make them suitable for operation from -30°C to between +220° and +250°C. Their application range is extremely wide and covers almost all areas of application, in particular, the BHTS ZZ C4 220°-250°C bearings allow a unique range of safety in all applications where they can also occur temporarily and for reasons not dependent on the will of the designer phenomena occasional overheating.

The current trend of globalization of supply often creates situations of application of products not predictable and not calculable; the BHTS ZZ C4 220°-250°C bearing allows total security impossible with standard products and allows for safe use up to 250°C degrees. The BHTS ZZ C4 220°-250°C, is exactly identical to the BHTS 2RS VT 220°C with the only difference of having the ZZ shields which allows a considerable cost savings compared to sheet steel with Viton seal.

Technical characteristics:

Material steel AISI 52100 (Chrome) stabilized to the application

Radial Clearance C4

Shields type ZZ

Greasing with PTFE based on silicone free grease for temperatures up to 280°C
(with a drop point above 400°C)

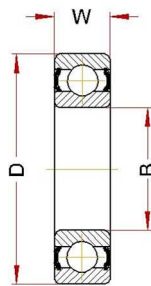
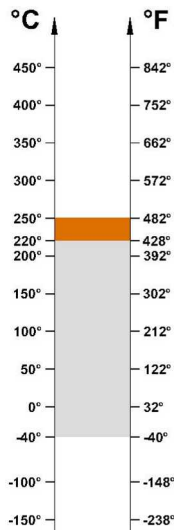
Fields of application:

Air conveyors
Industrial Fans
Packaging machinery
Steel industry
Ceramic industry
Papermaking industry



BHTS ZZ C4 220°-250° (6000 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -40° / 220°C

ECONOMIC OPERATING RANGE: 150° / 220°C

SHORT-TIME OPERATING RANGE: 220° / 250°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight g	Limiting Speed RPM/min(*)	Static Load, kN at 250°	Static Load, kN at 20°
6000 BHTS ZZ C4 220°-250°	10	26	8	20	4200	1,50	1,96
6001 BHTS ZZ C4 220°-250°	12	28	8	25	4060	1,79	2,36
6002 BHTS ZZ C4 220°-250°	15	32	9	30	3920	2,13	2,85
6003 BHTS ZZ C4 220°-250°	17	35	10	40	3780	2,46	3,25
6004 BHTS ZZ C4 220°-250°	20	42	12	69	3640	3,83	5
6005 BHTS ZZ C4 220°-250°	25	47	12	80	3360	4,42	5,85
6006 BHTS ZZ C4 220°-250°	30	55	13	120	3080	6,12	8
6007 BHTS ZZ C4 220°-250°	35	62	14	160	2800	7,91	10,4
6008 BHTS ZZ C4 220°-250°	40	68	15	190	2520	9,01	11,8
6009 BHTS ZZ C4 220°-250°	45	75	16	250	2240	10,88	14,3
6010 BHTS ZZ C4 220°-250°	50	80	16	260	1960	11,9	15,6
6011 BHTS ZZ C4 220°-250°	55	90	18	390	1680	16,15	21,2
6012 BHTS ZZ C4 220°-250°	60	95	18	420	1400	17,1	23,2
6013 BHTS ZZ C4 220°-250°	65	100	18	440	1260	19,13	25
6014 BHTS ZZ C4 220°-250°	70	110	20	600	1120	22,84	31,5
6015 BHTS ZZ C4 220°-250°	75	115	20	640	980	24,05	34

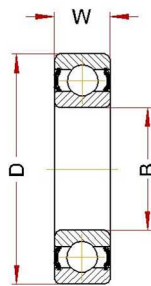
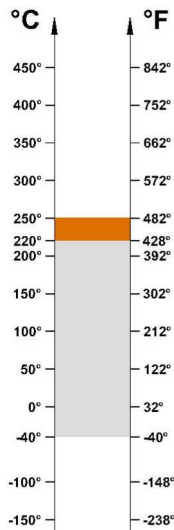
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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.

SHORT-TIME OPERATING RANGE is the range in which the bearing can be used for few minutes but not for permanent use.

BHTS ZZ C4 220°-250° (6200 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -40° / 220°C

ECONOMIC OPERATING RANGE: 150° / 220°C

SHORT-TIME OPERATING RANGE: 220° / 250°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight g	Limiting Speed RPM/min(*)	Static Load, kN at 250°	Static Load, kN at 20°
6200 BHTS ZZ C4 220°-250°	10	30	9	30	4060	1,96	2,6
6201 BHTS ZZ C4 220°-250°	12	32	10	37	3920	2,38	3,1
6202 BHTS ZZ C4 220°-250°	15	35	11	48	3780	2,81	3,75
6203 BHTS ZZ C4 220°-250°	17	40	12	65	3640	3,57	4,75
6204 BHTS ZZ C4 220°-250°	20	47	14	110	3360	5,02	6,55
6205 BHTS ZZ C4 220°-250°	25	52	15	130	3080	6,12	8
6206 BHTS ZZ C4 220°-250°	30	62	16	200	2800	8,5	11,2
6207 BHTS ZZ C4 220°-250°	35	72	17	290	2520	11,65	15,3
6208 BHTS ZZ C4 220°-250°	40	80	18	370	2240	13,77	18
6209 BHTS ZZ C4 220°-250°	45	85	19	410	1960	15,56	20,4
6210 BHTS ZZ C4 220°-250°	50	90	20	460	1680	18,36	24
6211 BHTS ZZ C4 220°-250°	55	100	21	610	1400	22,19	29
6212 BHTS ZZ C4 220°-250°	60	110	22	780	1260	27,34	36
6213 BHTS ZZ C4 220°-250°	65	120	23	990	1120	31,71	41,5
6214 BHTS ZZ C4 220°-250°	70	125	24	1040	980	33,66	44
6215 BHTS ZZ C4 220°-250°	75	130	25	1210	840	37,49	49

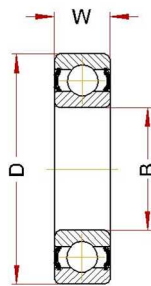
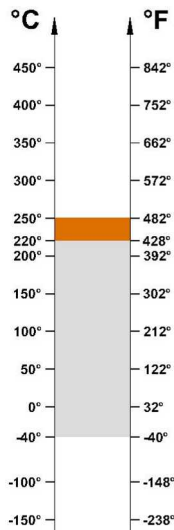
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SHORT-TIME OPERATING RANGE is the range in which the bearing can be used for few minutes but not for permanent use.

BHTS ZZ C4 220°-250° (6300 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -40° / 220°C

ECONOMIC OPERATING RANGE: 150° / 220°C

SHORT-TIME OPERATING RANGE: 220° / 250°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight g	Limiting Speed RPM/min(*)	Static Load, kN at 250°	Static Load, kN at 20°
6300 BHTS ZZ C4 220°-250°	10	35	11	52	3920	2,64	3,45
6301 BHTS ZZ C4 220°-250°	12	37	12	60	3780	3,15	4,15
6302 BHTS ZZ C4 220°-250°	15	42	13	80	3640	4,08	5,4
6303 BHTS ZZ C4 220°-250°	17	47	14	120	3360	4,93	6,55
6304 BHTS ZZ C4 220°-250°	20	52	15	140	3080	6,4	8,5
6305 BHTS ZZ C4 220°-250°	25	62	17	225	2800	8,67	11,4
6306 BHTS ZZ C4 220°-250°	30	72	19	350	2520	12,41	16,3
6307 BHTS ZZ C4 220°-250°	35	80	21	450	2240	14,52	19
6308 BHTS ZZ C4 220°-250°	40	90	23	620	1960	19,13	25
6309 BHTS ZZ C4 220°-250°	45	100	25	830	1680	24,3	32
6310 BHTS ZZ C4 220°-250°	50	110	27	1050	1400	29,1	38
6311 BHTS ZZ C4 220°-250°	55	120	29	1350	1260	36,3	47,5
6312 BHTS ZZ C4 220°-250°	60	130	31	1700	1120	39,8	52
6313 BHTS ZZ C4 220°-250°	65	140	33	2100	980	45,9	60
6314 BHTS ZZ C4 220°-250°	70	150	35	2500	840	52,02	68
6315 BHTS ZZ C4 220°-250°	75	160	37	3000	700	58,5	76,5

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