

## Ball bearing for high temperature

### BHT FB 400°

The BHT FB 400° bearings are designed on the dimensions of a standard bearing but with treatments of stabilisation, surface treatment, radial clearance and full ball fitting that make them suitable for operation from -30° to +400°. Their recommended range of application is between 280° and 400°. The BHT FB 400° are open bearings and require occasional, additional lubrication with an oil for high temperatures. The unique design allows, through a precision lateral milling, the complete full ball fitting of the bearing. This technical solution avoids the use of a steel cage that is normally the weak element of the bearing in the application of high temperatures. The greatest number of spheres within the bearing allows for an increase of load capacity, especially in high temperature but limits the use at low speed. This product has been produced for over 20 years allowing exceptional performance in terms of durability in applications more demanding. In particular it's application is recommended where frequent changes are present in the direction of rotation of the bearing and with irregular loads.

#### Technical characteristics:

Material Steel AISI 52100 (Chrome) stabilized to the application  
Treatment of manganese phosphate coating on all steel parts  
Radial 4 times C5  
Lamination Steel type ZZ  
In one piece graphite cage

#### Fields of application:

Paint Ovens  
Steel Industry  
Furnaces for Ceramic Industry  
Trolley Industry Brick Kilns

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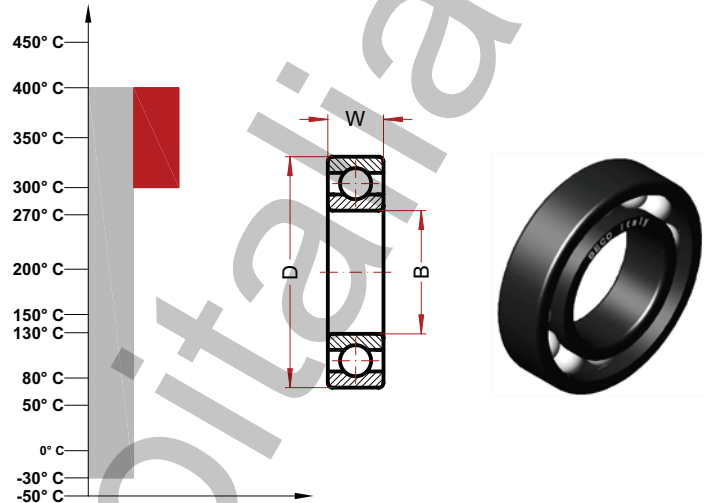
### BHT FB 400° (6000 Serie)

MAX TEMP CELSIUS 400° C

MAX TEMP FAHRENHEIT 752° F

SUGGESTED RANGE 300°-400° C

SUGGESTED RANGE 572°-752° F



Designation	Bore (B)	Diam (D)	Widht (W)	Weight g	Speed RPM/min (*)	Static Load kN
6000 BHT FB 400°	10	26	8	20	90	1.14
6001 BHT FB 400°	12	28	8	25	85	1.37
6002 BHT FB 400°	15	32	9	30	80	1.65
6003 BHT FB 400°	17	35	10	40	75	1.88
6004 BHT FB 400°	20	42	12	69	70	2.89
6005 BHT FB 400°	25	47	12	80	65	3.38
6006 BHT FB 400°	30	55	13	120	60	4.62
6007 BHT FB 400°	35	62	14	160	55	6.01
6008 BHT FB 400°	40	68	15	190	50	6.80
6009 BHT FB 400°	45	75	16	250	45	8.27
6010 BHT FB 400°	50	80	16	260	40	9.02
6011 BHT FB 400°	55	90	18	390	40	12.26
6012 BHT FB 400°	60	95	18	420	40	13.43
6013 BHT FB 400°	65	100	18	440	40	14.45
6014 BHT FB 400°	70	110	20	600	40	18.21
6015 BHT FB 400°	75	115	20	640	40	19.65

Static load and max speed are calculated for the maximum temperature of application we supply this technical information only for help customer in the choice. Due the extremely difference in the condition of application. We suggest to the customer to contact our engineering service and made pratical test for check in the real condition the pratical working.

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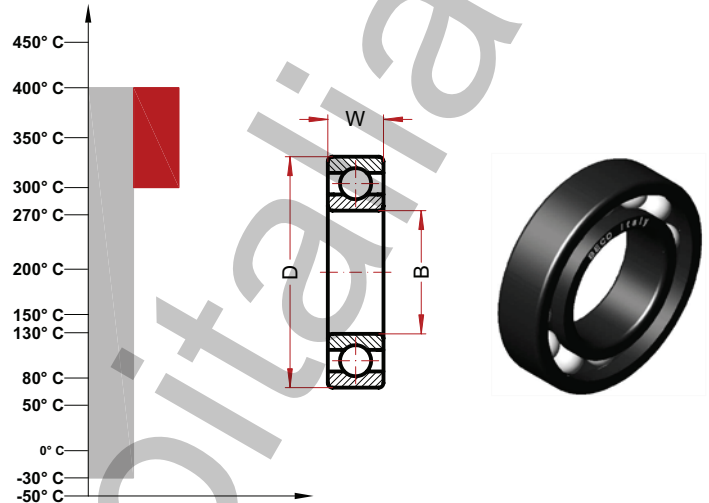
### BHT FB 400° (6200 Serie)

MAX TEMP CELSIUS 400° C

MAX TEMP FAHRENHEIT 752° F

SUGGESTED RANGE 300°-400° C

SUGGESTED RANGE 572°-752° F



Designation	Bore (B)	Diam (D)	Widht (W)	Weight g	Speed RPM/min (*)	Static Load kN
6200 BHT FB 400°	10	30	9	30	90	1.50
6201 BHT FB 400°	12	32	10	37	85	1.79
6202 BHT FB 400°	15	35	11	45	80	2.17
6203 BHT FB 400°	17	40	12	65	75	2.75
6204 BHT FB 400°	20	47	14	110	70	3.79
6205 BHT FB 400°	25	52	15	130	65	4.62
6206 BHT FB 400°	30	62	16	200	60	6.48
6207 BHT FB 400°	35	72	17	290	55	8.50
6208 BHT FB 400°	40	80	18	370	50	10.40
6209 BHT FB 400°	45	85	19	410	45	11.79
6210 BHT FB 400°	50	90	20	460	40	13.86
6211 BHT FB 400°	55	100	21	610	40	16.90
6212 BHT FB 400°	62	110	22	780	40	20.81
6213 BHT FB 400°	65	120	23	990	40	23.99
6214 BHT FB 400°	70	125	24	1040	40	25.43
6215 BHT FB 400°	75	130	25	1210	40	28.32

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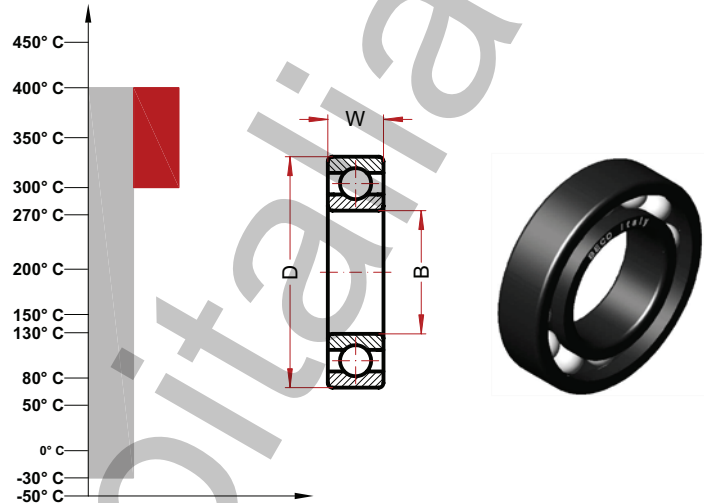
### BHT FB 400° (6300 Serie)

MAX TEMP CELSIUS 400° C

MAX TEMP FAHRENHEIT 752° F

SUGGESTED RANGE 300°-400° C

SUGGESTED RANGE 572°-752° F



Designation	Bore (B)	Diam (D)	Width (W)	Weight g	Speed RPM/min (*)	Static Load kN
6300 BHT FB 400°	10	35	11	52	90	1.99
6301 BHT FB 400°	12	37	12	60	85	2.40
6302 BHT FB 400°	15	42	13	80	80	3.12
6303 BHT FB 400°	17	47	14	120	75	3.79
6304 BHT FB 400°	20	52	15	140	70	4.91
6305 BHT FB 400°	25	62	17	225	65	6.59
6306 BHT FB 400°	30	72	19	350	60	9.35
6307 BHT FB 400°	35	80	21	450	55	10.98
6308 BHT FB 400°	40	90	23	620	50	14.45
6309 BHT FB 400°	45	100	25	830	45	18.50
6310 BHT FB 400°	50	110	27	1050	40	21.25
6311 BHT FB 400°	55	120	29	1350	40	27.46
6312 BHT FB 400°	60	130	31	1700	40	30.06
6313 BHT FB 400°	65	140	33	2100	40	34.68
6314 BHT FB 400°	70	150	35	2500	40	39.10
6315 BHT FB 400°	75	160	37	3000	40	44.20

Static load and max speed are calculated for the maximum temperature of application we supply this technical information only for help customer in the choice. Due the extremely difference in the condition of application. We suggest to the customer to contact our engineering service and made practical test for check in the real condition the practical working.