



BHTS 2RS C3 VT 180°

NEW
2015

Ball Bearings for High Temperature

According to the specific request of our customers, we inserted in our range a new product BHTS 2RS C3 VT 180°.

The bearings BHTS 2RS C3 VT 180° are designed on the dimension of standard bearing, but with appropriate treatment of stabilization, radial clearance, greases and special Viton seals, which make them suitable to operate from -30° to +180°C. They have a specific range of application in industrial fan, air conveyors and dry compressors.

The bearing also can be used in any application as alternative of standard bearing. In this condition the life time can be increased significant in comparison of the lifetime of standard bearing.

Viton seals can resist many types of acids, though the bearing BHTS 2RS C3 VT 180° is designed exclusively for application in high temperature, it cannot resist acid environment. Therefore, for the extreme application, as high temperature and the presence of acids we have a customized solution high temperature stainless steel bearing available with Viton seals.

Technical characteristics:

Bearing material: steel AISI 52100 (Chrome) stabilized to the application

Radial Clearance C3

Viton seals 2RS in steel with vulcanized rubber for 200°C

Lubricated with grease for temperatures up to 200°C

Fields of application:

Air conveyors

Dry Compressors

Industrial Fans

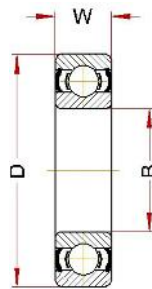
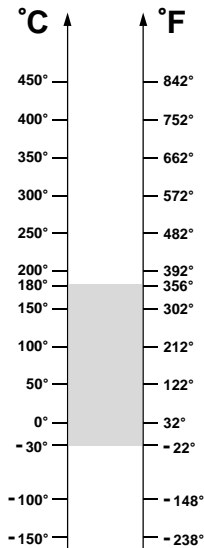
Packaging machinery

Papermaking industry



BHTS 2RS C3 VT 180° (6000 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 180°C

ECONOMIC OPERATING RANGE: 100° / 180°C

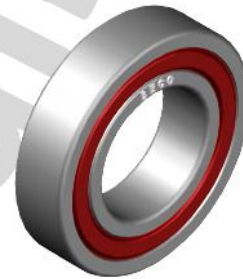
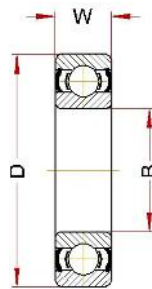
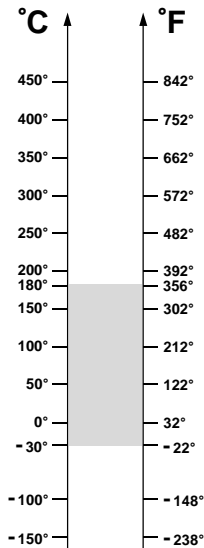
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 180°C	Static Load, kN at 20°C
6000 BHTS 2RS C3 VT 180°	10	26	8	20	6600	1,7	1,96
6001 BHTS 2RS C3 VT 180°	12	28	8	25	6380	2,1	2,36
6002 BHTS 2RS C3 VT 180°	15	32	9	30	6160	2,5	2,85
6003 BHTS 2RS C3 VT 180°	17	35	10	40	5940	2,9	3,25
6004 BHTS 2RS C3 VT 180°	20	42	12	69	5720	4,5	5,00
6005 BHTS 2RS C3 VT 180°	25	47	12	80	5280	5,2	5,85
6006 BHTS 2RS C3 VT 180°	30	55	13	120	4840	7,2	8,00
6007 BHTS 2RS C3 VT 180°	35	62	14	160	4400	9,3	10,4
6008 BHTS 2RS C3 VT 180°	40	68	15	190	3960	10,6	11,8
6009 BHTS 2RS C3 VT 180°	45	75	16	250	3520	12,8	14,3
6010 BHTS 2RS C3 VT 180°	50	80	16	260	3080	14,0	15,6

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.

BHTS 2RS C3 VT 180° (6200 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 180°C

ECONOMIC OPERATING RANGE: 100° / 180°C

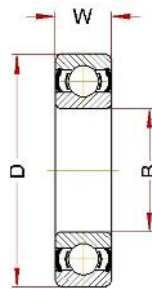
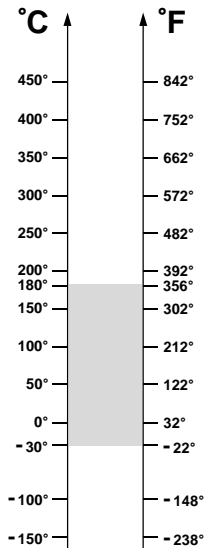
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 180°C	Static Load, kN at 20°C
6200 BHTS 2RS C3 VT 180°	10	30	9	30	6380	2,3	2,60
6201 BHTS 2RS C3 VT 180°	12	32	10	37	6160	2,8	3,10
6202 BHTS 2RS C3 VT 180°	15	35	11	45	5940	3,3	3,75
6203 BHTS 2RS C3 VT 180°	17	40	12	65	5720	4,2	4,75
6204 BHTS 2RS C3 VT 180°	20	47	14	110	5280	5,9	6,55
6205 BHTS 2RS C3 VT 180°	25	52	15	130	4840	7,2	8,00
6206 BHTS 2RS C3 VT 180°	30	62	16	200	4400	10,0	11,2
6207 BHTS 2RS C3 VT 180°	35	72	17	290	3960	13,7	15,3
6208 BHTS 2RS C3 VT 180°	40	80	18	370	3520	16,2	18,0
6209 BHTS 2RS C3 VT 180°	45	85	19	410	3080	18,3	20,4
6210 BHTS 2RS C3 VT 180°	50	90	20	460	2640	21,6	24,0

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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.

BHTS 2RS C3 VT 180° (6300 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 180°C

ECONOMIC OPERATING RANGE: 100° / 180°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 180°C	Static Load, kN at 20°C
6300 BHTS 2RS C3 VT 180°	10	35	11	52	6160	3,1	3,45
6301 BHTS 2RS C3 VT 180°	12	37	12	60	5940	3,7	4,15
6302 BHTS 2RS C3 VT 180°	15	42	13	80	5720	4,8	5,40
6303 BHTS 2RS C3 VT 180°	17	47	14	120	5280	5,8	6,55
6304 BHTS 2RS C3 VT 180°	20	52	15	140	4840	7,6	8,50
6305 BHTS 2RS C3 VT 180°	25	62	17	225	4400	10,2	11,4
6306 BHTS 2RS C3 VT 180°	30	72	19	350	3960	14,6	16,3
6307 BHTS 2RS C3 VT 180°	35	80	21	450	3520	17,1	19,0
6308 BHTS 2RS C3 VT 180°	40	90	23	620	3080	22,5	25,0
6309 BHTS 2RS C3 VT 180°	45	100	25	830	2640	28,8	32,0
6310 BHTS 2RS C3 VT 180°	50	110	27	1050	2200	34,2	38,0

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.