



BHTS 2RS C4 VT 200°

Ball Bearings for High Temperature

The bearings BHTS 2RS C4 VT 200° are designed based on the dimensions of a standard bearing but with appropriate treatment of stabilization, radial clearance, greases and special Viton seals which make them suitable to operate from -30° to 200°.

Their application range is extremely wide and covers almost all areas of application, particularly the bearing in BHT 2RS C4 VT 200° version allows a wide range of safety in all applications where it can also occur temporarily and for reason not dependent on the will of the designer, occasional phenomenal of overheating.

The current trend of globalization of supply, often creates situations of application of products not predictable and not calculable; the bearing BHT 2RS C4 VT 200° allows total security, impossible with standard products.

Viton seals can resist many types of acids. Though the bearing BHTS 2RS C4 VT 200° is designed exclusively for applications in high temperature, it can not resist acid environment. Therefore, for the extreme applications, as high temperature and the presence of acids we have a customized solution high temperature stainless steel bearing available with Viton seals.

Technical characteristics:

Material steel AISI 52100 (Chrome) stabilized for the application
Radial Clearance C4
Seals 2RS in steel with vulcanized rubber for 200° Viton
Greasing with grease for temperatures up to 200°

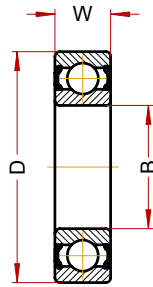
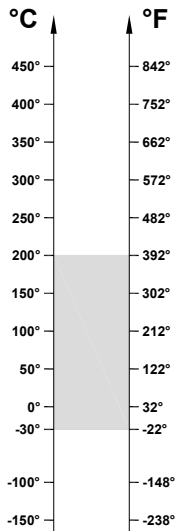
Fields of application:

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



BHTS 2RS C4 VT 200° (61800 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

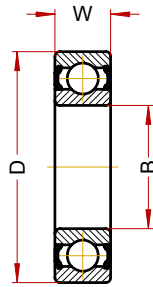
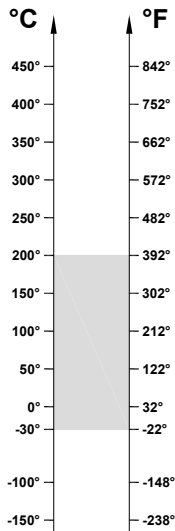
| Designation | Bore (B) | Diam (D) | Widht (W) | Weight g | Speed RPM/min (*) | Static Load, kN at 200° | Static Load, kN at 20° |
|---------------------------|----------|----------|-----------|----------|-------------------|-------------------------|------------------------|
| 61800 BHTS 2RS C4 VT 200° | 10 | 19 | 5 | 6 | 6000 | 0,47 | 0,53 |
| 61801 BHTS 2RS C4 VT 200° | 12 | 21 | 5 | 7 | 6000 | 0,85 | 0,95 |
| 61802 BHTS 2RS C4 VT 200° | 15 | 24 | 5 | 8 | 6000 | 1,12 | 1,25 |
| 61803 BHTS 2RS C4 VT 200° | 17 | 26 | 5 | 9 | 6000 | 1,3 | 1,45 |
| 61804 BHTS 2RS C4 VT 200° | 20 | 32 | 7 | 18 | 5600 | 2,01 | 2,24 |
| 61805 BHTS 2RS C4 VT 200° | 25 | 37 | 7 | 24 | 5400 | 2,52 | 2,8 |
| 61806 BHTS 2RS C4 VT 200° | 30 | 42 | 7 | 27 | 5000 | 3 | 3,35 |
| 61807 BHTS 2RS C4 VT 200° | 35 | 47 | 7 | 32 | 4800 | 3,24 | 3,6 |
| 61808 BHTS 2RS C4 VT 200° | 40 | 52 | 7 | 35 | 4400 | 3,8 | 4,25 |
| 61809 BHTS 2RS C4 VT 200° | 45 | 58 | 7 | 42 | 4000 | 5,04 | 5,6 |
| 61810 BHTS 2RS C4 VT 200° | 50 | 65 | 7 | 52 | 3600 | 5,6 | 6,3 |
| 61811 BHTS 2RS C4 VT 200° | 55 | 72 | 9 | 81 | 3200 | 7,6 | 8,5 |
| 61812 BHTS 2RS C4 VT 200° | 60 | 78 | 10 | 105 | 2800 | 9,9 | 11 |
| 61813 BHTS 2RS C4 VT 200° | 65 | 85 | 10 | 124 | 2600 | 10,8 | 12 |
| 61814 BHTS 2RS C4 VT 200° | 70 | 90 | 10 | 133 | 2000 | 11,2 | 12,5 |
| 61815 BHTS 2RS C4 VT 200° | 75 | 95 | 10 | 143 | 2000 | 12 | 13,4 |

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 C4 VT 200° (6000 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

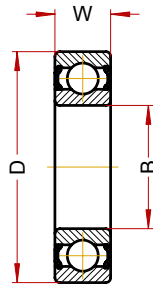
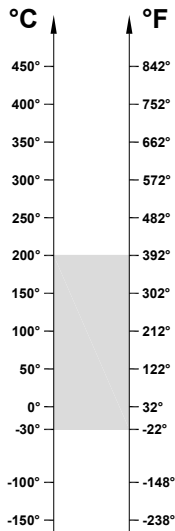
| Designation | Bore (B) | Diam (D) | Widht (W) | Weight g | Speed RPM/min (*) | Static Load, kN at 200° | Static Load, kN at 20° |
|--------------------------|----------|----------|-----------|----------|-------------------|-------------------------|------------------------|
| 6000 BHTS 2RS C4 VT 200° | 10 | 26 | 8 | 20 | 6000 | 1,76 | 1,96 |
| 6001 BHTS 2RS C4 VT 200° | 12 | 28 | 8 | 25 | 5800 | 2,1 | 2,36 |
| 6002 BHTS 2RS C4 VT 200° | 15 | 32 | 9 | 30 | 5600 | 2,5 | 2,85 |
| 6003 BHTS 2RS C4 VT 200° | 17 | 35 | 10 | 40 | 5400 | 2,9 | 3,25 |
| 6004 BHTS 2RS C4 VT 200° | 20 | 42 | 12 | 69 | 5200 | 4,5 | 5 |
| 6005 BHTS 2RS C4 VT 200° | 25 | 47 | 12 | 80 | 4800 | 5,2 | 5,85 |
| 6006 BHTS 2RS C4 VT 200° | 30 | 55 | 13 | 120 | 4400 | 7,2 | 8 |
| 6007 BHTS 2RS C4 VT 200° | 35 | 62 | 14 | 160 | 4000 | 9,3 | 10,4 |
| 6008 BHTS 2RS C4 VT 200° | 40 | 68 | 15 | 190 | 3600 | 10,6 | 11,8 |
| 6009 BHTS 2RS C4 VT 200° | 45 | 75 | 16 | 250 | 3200 | 12,8 | 14,3 |
| 6010 BHTS 2RS C4 VT 200° | 50 | 80 | 16 | 260 | 2800 | 14 | 15,6 |
| 6011 BHTS 2RS C4 VT 200° | 55 | 90 | 18 | 390 | 2400 | 19 | 21,2 |
| 6012 BHTS 2RS C4 VT 200° | 60 | 95 | 18 | 420 | 2000 | 20,8 | 23,2 |
| 6013 BHTS 2RS C4 VT 200° | 65 | 100 | 18 | 440 | 1800 | 22,5 | 25 |
| 6014 BHTS 2RS C4 VT 200° | 70 | 110 | 20 | 600 | 1600 | 28,3 | 31,5 |
| 6015 BHTS 2RS C4 VT 200° | 75 | 115 | 20 | 640 | 1400 | 30,6 | 34 |
| 6016 BHTS 2RS C4 VT 200° | 80 | 125 | 22 | 850 | 1200 | 36 | 40 |
| 6017 BHTS 2RS C4 VT 200° | 85 | 130 | 22 | 890 | 1000 | 38,7 | 42,9 |
| 6018 BHTS 2RS C4 VT 200° | 90 | 140 | 24 | 1150 | 900 | 45 | 49,9 |
| 6019 BHTS 2RS C4 VT 200° | 95 | 145 | 24 | 1200 | 800 | 48,6 | 53,95 |
| 6020 BHTS 2RS C4 VT 200° | 100 | 150 | 24 | 1250 | 700 | 48,6 | 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.

BHTS 2RS C4 VT 200° (6200 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

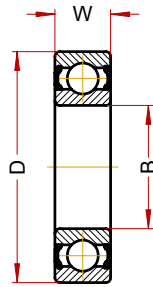
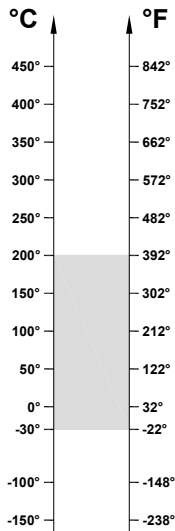
| Designation | Bore (B) | Diam (D) | Widht (W) | Weight g | Speed RPM/min (*) | Static Load, kN at 200° | Static Load, kN at 20° |
|--------------------------|----------|----------|-----------|----------|-------------------|-------------------------|------------------------|
| 6200 BHTS 2RS C4 VT 200° | 10 | 30 | 9 | 30 | 5800 | 2,3 | 2,6 |
| 6201 BHTS 2RS C4 VT 200° | 12 | 32 | 10 | 37 | 5600 | 2,8 | 3,1 |
| 6202 BHTS 2RS C4 VT 200° | 15 | 35 | 11 | 45 | 5400 | 3,3 | 3,75 |
| 6203 BHTS 2RS C4 VT 200° | 17 | 40 | 12 | 65 | 5200 | 4,2 | 4,75 |
| 6204 BHTS 2RS C4 VT 200° | 20 | 47 | 14 | 110 | 4800 | 5,9 | 6,55 |
| 6205 BHTS 2RS C4 VT 200° | 25 | 52 | 15 | 130 | 4400 | 7,2 | 8 |
| 6206 BHTS 2RS C4 VT 200° | 30 | 62 | 16 | 200 | 4000 | 10 | 11,2 |
| 6207 BHTS 2RS C4 VT 200° | 35 | 72 | 17 | 290 | 3600 | 13,7 | 15,3 |
| 6208 BHTS 2RS C4 VT 200° | 40 | 80 | 18 | 370 | 3200 | 16,2 | 18 |
| 6209 BHTS 2RS C4 VT 200° | 45 | 85 | 19 | 410 | 2800 | 18,3 | 20,4 |
| 6210 BHTS 2RS C4 VT 200° | 50 | 90 | 20 | 460 | 2400 | 21,6 | 24 |
| 6211 BHTS 2RS C4 VT 200° | 55 | 100 | 21 | 610 | 2000 | 26,1 | 29 |
| 6212 BHTS 2RS C4 VT 200° | 60 | 110 | 22 | 780 | 1800 | 32,4 | 36 |
| 6213 BHTS 2RS C4 VT 200° | 65 | 120 | 23 | 990 | 1600 | 37,3 | 41,5 |
| 6214 BHTS 2RS C4 VT 200° | 70 | 125 | 24 | 1040 | 1400 | 39,6 | 44 |
| 6215 BHTS 2RS C4 VT 200° | 75 | 130 | 25 | 1210 | 1200 | 44,1 | 49 |
| 6216 BHTS 2RS C4 VT 200° | 80 | 140 | 26 | 1400 | 1000 | 49,5 | 55 |
| 6217 BHTS 2RS C4 VT 200° | 85 | 150 | 28 | 1800 | 900 | 57,6 | 64 |
| 6218 BHTS 2RS C4 VT 200° | 90 | 160 | 30 | 2150 | 800 | 66,1 | 73,5 |
| 6219 BHTS 2RS C4 VT 200° | 95 | 170 | 32 | 2600 | 700 | 73,3 | 81,5 |
| 6220 BHTS 2RS C4 VT 200° | 100 | 180 | 34 | 3150 | 600 | 83,7 | 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.

BHTS 2RS C4 VT 200° (6300 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

| Designation | Bore (B) | Diam (D) | Widht (W) | Weight g | Speed RPM/min (*) | Static Load, kN at 200° | Static Load, kN at 20° |
|--------------------------|----------|----------|-----------|----------|-------------------|-------------------------|------------------------|
| 6300 BHTS 2RS C4 VT 200° | 10 | 35 | 11 | 52 | 5600 | 3,1 | 3,45 |
| 6301 BHTS 2RS C4 VT 200° | 12 | 37 | 12 | 60 | 5400 | 3,7 | 4,15 |
| 6302 BHTS 2RS C4 VT 200° | 15 | 42 | 13 | 80 | 5200 | 4,8 | 5,4 |
| 6303 BHTS 2RS C4 VT 200° | 17 | 47 | 14 | 120 | 4800 | 5,8 | 6,55 |
| 6304 BHTS 2RS C4 VT 200° | 20 | 52 | 15 | 140 | 4400 | 7,6 | 8,5 |
| 6305 BHTS 2RS C4 VT 200° | 25 | 62 | 17 | 225 | 4000 | 10,2 | 11,4 |
| 6306 BHTS 2RS C4 VT 200° | 30 | 72 | 19 | 350 | 3600 | 14,6 | 16,3 |
| 6307 BHTS 2RS C4 VT 200° | 35 | 80 | 21 | 450 | 3200 | 17,1 | 19 |
| 6308 BHTS 2RS C4 VT 200° | 40 | 90 | 23 | 620 | 2800 | 22,5 | 25 |
| 6309 BHTS 2RS C4 VT 200° | 45 | 100 | 25 | 830 | 2400 | 28,8 | 32 |
| 6310 BHTS 2RS C4 VT 200° | 50 | 110 | 27 | 1050 | 2000 | 34,2 | 38 |
| 6311 BHTS 2RS C4 VT 200° | 55 | 120 | 29 | 1350 | 1800 | 42,7 | 47,5 |
| 6312 BHTS 2RS C4 VT 200° | 60 | 130 | 31 | 1700 | 1600 | 46,8 | 52 |
| 6313 BHTS 2RS C4 VT 200° | 65 | 140 | 33 | 2100 | 1400 | 54 | 60 |
| 6314 BHTS 2RS C4 VT 200° | 70 | 150 | 35 | 2500 | 1200 | 61,2 | 68 |
| 6315 BHTS 2RS C4 VT 200° | 75 | 160 | 37 | 3000 | 1000 | 68,8 | 76,5 |
| 6316 BHTS 2RS C4 VT 200° | 80 | 170 | 39 | 3600 | 900 | 77,8 | 86,5 |
| 6317 BHTS 2RS C4 VT 200° | 85 | 180 | 41 | 4250 | 800 | 86,8 | 96,5 |
| 6318 BHTS 2RS C4 VT 200° | 90 | 190 | 43 | 4900 | 700 | 97,2 | 108 |
| 6319 BHTS 2RS C4 VT 200° | 95 | 200 | 45 | 5650 | 600 | 106,2 | 118 |
| 6320 BHTS 2RS C4 VT 200° | 100 | 215 | 47 | 7000 | 500 | 126 | 140 |

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