



BHTS 2RS C4 VT 220°

Ball Bearings for High Temperature

The bearings BHTS 2RS C4 VT 220° 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 -40° to +220°C .

Their application range is extremely wide and covers almost all areas of application, particularly the bearing in BHTS 2RS C4 VT 220° 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 BHTS 2RS C4 VT 220° allows total security, impossible with standard products.

Viton seals can resist many types of acids. Though the bearing BHTS 2RS C4 VT 220° 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:

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

Radial Clearance C4

Viton seals 2RS in steel with vulcanized rubber for 220°C

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

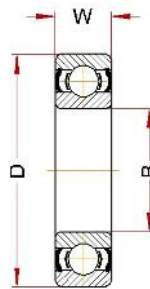
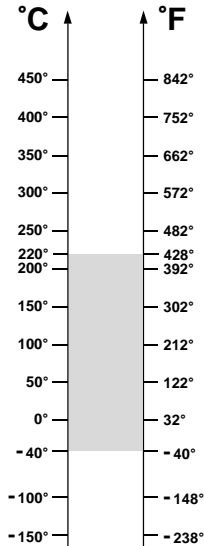
Fields of application:

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



BHTS 2RS C4 VT 220° (6000 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -40° / 220°C

ECONOMIC OPERATING RANGE: 150° / 220°C

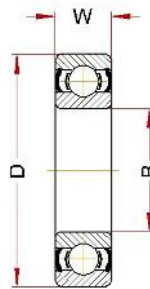
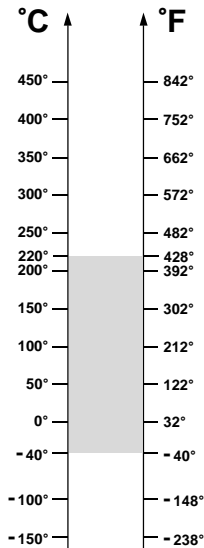
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 220°C	Static Load, kN at 20°C
6000 BHTS 2RS C4 VT 220°	10	26	8	20	4200	1,50	1,96
6001 BHTS 2RS C4 VT 220°	12	28	8	25	4060	1,79	2,36
6002 BHTS 2RS C4 VT 220°	15	32	9	30	3920	2,13	2,85
6003 BHTS 2RS C4 VT 220°	17	35	10	40	3780	2,46	3,25
6004 BHTS 2RS C4 VT 220°	20	42	12	69	3640	3,83	5,00
6005 BHTS 2RS C4 VT 220°	25	47	12	80	3360	4,42	5,85
6006 BHTS 2RS C4 VT 220°	30	55	13	120	3080	6,11	8,00
6007 BHTS 2RS C4 VT 220°	35	62	14	160	2800	7,91	10,4
6008 BHTS 2RS C4 VT 220°	40	68	15	190	2520	9,01	11,8
6009 BHTS 2RS C4 VT 220°	45	75	16	250	2240	10,8	14,3
6010 BHTS 2RS C4 VT 220°	50	80	16	260	1960	11,9	15,6
6011 BHTS 2RS C4 VT 220°	55	90	18	390	1680	16,1	21,2
6012 BHTS 2RS C4 VT 220°	60	95	18	420	1400	17,1	23,2
6013 BHTS 2RS C4 VT 220°	65	100	18	440	1260	18,1	25,0
6014 BHTS 2RS C4 VT 220°	70	110	20	600	1120	22,8	31,5
6015 BHTS 2RS C4 VT 220°	75	115	20	640	980	24,0	34,0
6016 BHTS 2RS C4 VT 220°	80	125	22	850	840	28,8	40,0
6017 BHTS 2RS C4 VT 220°	85	130	22	890	700	30,9	42,9
6018 BHTS 2RS C4 VT 220°	90	140	24	1150	630	36,0	49,9
6019 BHTS 2RS C4 VT 220°	95	145	24	1240	560	38,8	53,9
6020 BHTS 2RS C4 VT 220°	100	160	24	1250	490	38,8	53,9

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 220° (6200 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -40° / 220°C

ECONOMIC OPERATING RANGE: 150° / 220°C

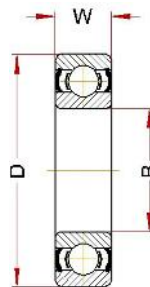
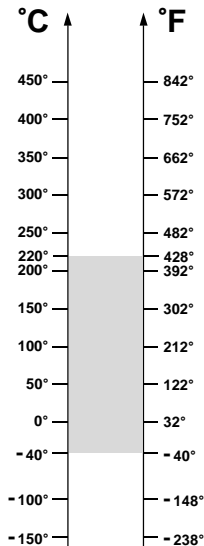
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 220°C	Static Load, kN at 20°C
6200 BHTS 2RS C4 VT 220°	10	30	9	30	4060	1,96	2,60
6201 BHTS 2RS C4 VT 220°	12	32	10	37	3920	2,38	3,10
6202 BHTS 2RS C4 VT 220°	15	35	11	45	3780	2,81	3,75
6203 BHTS 2RS C4 VT 220°	17	40	12	65	3640	3,57	4,75
6204 BHTS 2RS C4 VT 220°	20	47	14	110	3360	5,02	6,55
6205 BHTS 2RS C4 VT 220°	25	52	15	130	3080	6,12	8,00
6206 BHTS 2RS C4 VT 220°	30	62	16	200	2800	8,50	11,2
6207 BHTS 2RS C4 VT 220°	35	72	17	290	2520	11,6	15,3
6208 BHTS 2RS C4 VT 220°	40	80	18	370	2240	13,7	18,0
6209 BHTS 2RS C4 VT 220°	45	85	19	410	1960	15,5	20,4
6210 BHTS 2RS C4 VT 220°	50	90	20	460	1680	18,3	24,0
6211 BHTS 2RS C4 VT 220°	55	100	21	610	1400	22,1	29,0
6212 BHTS 2RS C4 VT 220°	60	110	22	780	1260	27,5	36,0
6213 BHTS 2RS C4 VT 220°	65	120	23	990	1120	31,7	41,5
6214 BHTS 2RS C4 VT 220°	70	125	24	1040	980	33,6	44,0
6215 BHTS 2RS C4 VT 220°	75	130	25	1210	840	37,4	49,0
6216 BHTS 2RS C4 VT 220°	80	140	26	1400	700	42,3	55,0
6217 BHTS 2RS C4 VT 220°	85	150	28	1800	630	49,2	64,0
6218 BHTS 2RS C4 VT 220°	90	160	30	2150	560	56,5	73,5
6219 BHTS 2RS C4 VT 220°	95	170	32	2600	490	62,7	81,5
6220 BHTS 2RS C4 VT 220°	100	180	34	3150	420	71,5	93,0

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.

BHTS 2RS C4 VT 220° (6300 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -40° / 220°C

ECONOMIC OPERATING RANGE: 150° / 220°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 220°C	Static Load, kN at 20°C
6300 BHTS 2RS C4 VT 220°	10	35	11	52	3920	2,64	3,45
6301 BHTS 2RS C4 VT 220°	12	37	12	60	3780	3,15	4,15
6302 BHTS 2RS C4 VT 220°	15	42	13	80	3640	4,08	5,40
6303 BHTS 2RS C4 VT 220°	17	47	14	120	3360	4,93	6,55
6304 BHTS 2RS C4 VT 220°	20	52	15	140	3080	6,40	8,50
6305 BHTS 2RS C4 VT 220°	25	62	17	225	2800	8,67	11,4
6306 BHTS 2RS C4 VT 220°	30	72	19	350	2520	12,5	16,3
6307 BHTS 2RS C4 VT 220°	35	80	21	450	2240	14,5	19,0
6308 BHTS 2RS C4 VT 220°	40	90	23	620	1960	19,1	25,0
6309 BHTS 2RS C4 VT 220°	45	100	25	830	1680	24,5	32,0
6310 BHTS 2RS C4 VT 220°	50	110	27	1050	1400	29,1	38,0
6311 BHTS 2RS C4 VT 220°	55	120	29	1350	1260	36,3	47,5
6312 BHTS 2RS C4 VT 220°	60	130	31	1700	1120	39,8	52,0
6313 BHTS 2RS C4 VT 220°	65	140	33	2100	980	45,9	60,0
6314 BHTS 2RS C4 VT 220°	70	150	35	2500	840	52,0	68,0
6315 BHTS 2RS C4 VT 220°	75	160	37	3000	700	58,5	76,5
6316 BHTS 2RS C4 VT 220°	80	170	39	3600	630	66,5	86,5
6317 BHTS 2RS C4 VT 220°	85	180	41	4250	560	74,2	96,5
6318 BHTS 2RS C4 VT 220°	90	190	43	4900	490	83,1	108
6319 BHTS 2RS C4 VT 220°	95	200	45	5650	420	90,7	118
6320 BHTS 2RS C4 VT 220°	100	215	47	7000	350	107,7	140

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

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