

BECCO

BECCO

Catalogue
2016

**Extreme
Temperature
Bearings**





CATALOGUE

BECO 2016

**Extreme
Temperature
Bearings**





CONTENTS

BEARINGS FOR HIGH TEMPERATURES

8-45

BHTS 2RS C3 VT 180° (6000 Serie) Ball Bearings for High Temperature	9
BHTS 2RS C3 VT 180° (6200 Serie) Ball Bearings for High Temperature	10
BHTS 2RS C3 VT 180° (6300 Serie) Ball Bearings for High Temperature	11
BHTS 2RS C4 VT 200° (61800 Serie) Ball Bearings for High Temperature	13
BHTS 2RS C4 VT 200° (6000 Serie) Ball Bearings for High Temperature	14
BHTS 2RS C4 VT 200° (6200 Serie) Ball Bearings for High Temperature	15
BHTS 2RS C4 VT 200° (6300 Serie) Ball Bearings for High Temperature	16
BHTS ZZ C4 200° (61800 Serie) Ball Bearings for High Temperature	18
BHTS ZZ C4 200° (6000 Serie) Ball Bearings for High Temperature	19
BHTS ZZ C4 200° (6200 Serie) Ball Bearings for High Temperature	20
BHTS ZZ C4 200° (6300 Serie) Ball Bearings for High Temperature	21
BHTS ZZ C4 200° (UC Serie) Insert Bearings for High Temperature.....	22
BHTS ZZ C4 200° (UCPA Serie) Pillow Block for High Temperature	23
BHTS ZZ C4 200° (UCF Serie) Pillow Block for High Temperature	24
BHTS ZZ C4 200° (UCFL Serie) Pillow Block for High Temperature	25
BHTS ZZ C4 200° (UCP Serie) Pillow Block for High Temperature	26
BHTS ZZ C4 200° (UCT Serie) Pillow Block for High Temperature	27
BHTS 2RS C4 VT 220° (6000 Serie) Ball Bearings for High Temperature	29
BHTS 2RS C4 VT 220° (6200 Serie) Ball Bearings for High Temperature	30
BHTS 2RS C4 VT 220° (6300 Serie) Ball Bearings for High Temperature	31
BHTS ZZ C4 220°-250° (6000 Serie) Ball Bearings for High Temperature	33
BHTS ZZ C4 220°-250° (6200 Serie) Ball Bearings for High Temperature	34
BHTS ZZ C4 220°-250° (6300 Serie) Ball Bearings for High Temperature	35
BHTS 2RS VT 250°-280° (6000 Serie) Ball Bearings for High Temperature	37
BHTS 2RS VT 250°-280° (6200 Serie) Ball Bearings for High Temperature	38
BHTS 2RS VT 250°-280° (6300 Serie) Ball Bearings for High Temperature	39
BHTS 2RS VT 250°-280° (UC Serie) Insert Bearings for High Temperature	40
BHTS 2RS VT 250°-280° (UCPA Serie) Pillow Block for High Temperature	41
BHTS 2RS VT 250°-280° (UCF Serie) Pillow Block for High Temperature	42
BHTS 2RS VT 250°-280° (UCFL Serie) Pillow Block for High Temperature	43
BHTS 2RS VT 250°-280° (UCP Serie) Pillow Block for High Temperature	44
BHTS 2RS VT 250°-280° (UCT Serie) Pillow Block for High Temperature	45

BEARINGS FOR EXTREME TEMPERATURE

46 - 86

BHTS ZZ 280° (Micro Serie) Ball Bearings for Extreme Temperature.....	47
BHTS ZZ 280° (61800 Serie) Ball Bearings for Extreme Temperature	48
BHTS ZZ 280° (61900 Serie) Ball Bearings for Extreme Temperature	49
BHTS ZZ 280° (6000 Serie) Ball Bearings for Extreme Temperature	50
BHTS ZZ 280° (6200 Serie) Ball Bearings for Extreme Temperature	51
BHTS ZZ 280° (6300 Serie) Ball Bearings for Extreme Temperature	52
BHTS ZZ 280° (UC Serie) Insert Bearings for Extreme Temperature	53
BHTS ZZ 280° (UCPA Serie) Pillow Block for Extreme Temperature	54
BHTS ZZ 280° (UCF Serie) Pillow Block for Extreme Temperature	55
BHTS ZZ 280° (UCFL Serie) Pillow Block for Extreme Temperature	56
BHTS ZZ 280° (UCP Serie) Pillow Block for Extreme Temperature	57
BHTS ZZ 280° (UCT Serie) Pillow Block for Extreme Temperature	58
BHT 320°-350° (6000 Serie) Ball Bearings for Extreme Temperature.....	60
BHT 320°-350° (6200 Serie) Ball Bearings for Extreme Temperature.....	61
BHT 320°-350° (6300 Serie) Ball Bearings for Extreme Temperature.....	62
BHT 320°-350° (51100 Serie) Ball Bearings for Extreme Temperature.....	63
BHT 320°-350° (51200 Serie) Ball Bearings for Extreme Temperature.....	64
BHTS ZZ 350° BECO PLUS (6000 Serie) Ball Bearings for Extreme Temperature	66
BHTS ZZ 350° BECO PLUS (6200 Serie) Ball Bearings for Extreme Temperature	62
BHTS ZZ 350° BECO PLUS (6300 Serie) Ball Bearings for Extreme Temperature	63
BHTS ZZ GR CG 350° (6000 Serie) Ball Bearings for Extreme Temperature	70
BHTS ZZ GR CG 350° (6200 Serie) Ball Bearings for Extreme Temperature	71
BHTS ZZ GR CG 350° (6300 Serie) Ball Bearings for Extreme Temperature	72
BHTS ZZ GR CG 350° (UC Serie) Insert Bearings for Extreme Temperature	73
BHTS ZZ GR CG 350° (UCPA Serie) Pillow Block for Extreme Temperature	74
BHTS ZZ GR CG 350° (UCF Serie) Pillow Block for Extreme Temperature	75
BHTS ZZ GR CG 350° (UCFL Serie) Pillow Block for Extreme Temperature	76
BHTS ZZ GR CG 350° (UCP Serie) Pillow Block for Extreme Temperature	77
BHTS ZZ GR CG 350° (UCT Serie) Pillow Block for Extreme Temperature	78





CONTENTS

BHT FB 400° (6000 Serie) Ball Bearings for Extreme Temperature	80
BHT FB 400° (6200 Serie) Ball Bearings for Extreme Temperature.....	81
BHT FB 400° (6300 Serie) Ball Bearings for Extreme Temperature.....	82
BHT FB 450° BECO PLUS (6000 Serie) Ball Bearings for Extreme Temperature.....	84
BHT FB 450° BECO PLUS (6200 Serie) Ball Bearings for Extreme Temperature.....	85
BHT FB 450° BECO PLUS (6300 Serie) Ball Bearings for Extreme Temperature.....	86
<u>BALL BEARINGS FOR LOW TEMPERATURE</u>	87 - 90
BLS ZZ -70° (6000 Serie) Ball Bearings for Low Temperature.....	88
BLS ZZ -70° (6200 Serie) Ball Bearings for Low Temperature.....	89
BLS ZZ -70° (6300 Serie) Ball Bearings for Low Temperature.....	90
<u>BALL BEARINGS IN STAINLESS STEEL (not magnetic)</u>	91 - 100
BSS NM (6000 Serie) Ball Bearings in Stainless Steel (not magnetic).....	94
BSS NM (6200 Serie) Ball Bearings in Stainless Steel (not magnetic).....	95
BSS NM (6300 Serie) Ball Bearings in Stainless Steel (not magnetic).....	96
BSS NM ZZ (6000 Serie) Ball Bearings in Stainless Steel (not magnetic).....	98
BSS NM ZZ (6200 Serie) Ball Bearings in Stainless Steel (not magnetic).....	99
BSS NM ZZ (6300 Serie) Ball Bearings in Stainless Steel (not magnetic).....	100
<u>PILLOW BLOCK HOUSINGS - IN PLASTIC OR STAINLESS STEEL (not magnetic)</u>	101 - 110
PA SS (200 Serie) Housings in Stainless Steel (not magnetic).....	102
F SS (200 Serie) Housings in Stainless Steel (not magnetic).....	103
FL SS (200 Serie) Housings in Stainless Steel (not magnetic).....	104
P SS (200 Serie) Housings in Stainless Steel (not magnetic).....	105
T SS (200 Serie) Housings in Stainless Steel (not magnetic).....	106
F PL (200 Serie) Housings in Plastic	107
FL PL (200 Serie) Housings in Plastic	108
P PL (200 Serie) Housings in Plastic	109
PLASTIC CAPS (EC200 Serie) End Caps and Back Seal for Plastic Housing	110
<u>BALL BEARINGS IN STAINLESS STEEL (magnetic)</u>	111 - 137
BSS (6000 Serie) Ball Bearings in Stainless Steel (magnetic)	112
BSS (6200 Serie) Ball Bearings in Stainless Steel (magnetic)	113
BSS (6300 Serie) Ball Bearings in Stainless Steel (magnetic)	114
BSS (51100 Serie) Ball Bearings in Stainless Steel (magnetic)	115
BSS (51200 Serie) Ball Bearings in Stainless Steel (magnetic)	116
BSS (51300 Serie) Ball Bearings in Stainless Steel (magnetic)	117
BSS 2RS NSF H1 (Micro Serie) Ball Bearings in Stainless Steel (magnetic).....	119
BSS 2RS NSF H1 (61800 Serie) Ball Bearings in Stainless Steel (magnetic).....	120
BSS 2RS NSF H1 (61900 Serie) Ball Bearings in Stainless Steel (magnetic).....	121
BSS 2RS NSF H1 (6000 Serie) Ball Bearings in Stainless Steel (magnetic).....	122
BSS 2RS NSF H1 (6200 Serie) Ball Bearings in Stainless Steel (magnetic).....	123
BSS 2RS NSF H1 (6300 Serie) Ball Bearings in Stainless Steel (magnetic).....	124
BSS 2RS NSF H1 (UC Serie) Insert Bearings in Stainless Steel (magnetic).....	125
BSS 2RS NSF H1 (UCPA Serie) Pillow Block in Stainless Steel (magnetic).....	126
BSS 2RS NSF H1 (UCF Serie) Pillow Block in Stainless Steel (magnetic).....	127
BSS 2RS NSF H1 (UCFL Serie) Pillow Block in Stainless Steel (magnetic).....	128
BSS 2RS NSF H1 (UCP Serie) Pillow Block in Stainless Steel (magnetic).....	129
BSS 2RS NSF H1 (UCT Serie) Pillow Block in Stainless Steel (magnetic).....	130
BSS 2RS NSF H1 (UCF PL Serie) Pillow Block in Plastic with SS Bearing (magnetic).....	131
BSS 2RS NSF H1 (UCFL PL Serie) Pillow Block in Plastic with SS Bearing (magnetic).....	132
BSS 2RS NSF H1 (UCP PL Serie) Pillow Block in Plastic with SS Bearing (magnetic).....	133
BSS ZZ (6000 Serie) Ball Bearings in Stainless Steel (magnetic).....	135
BSS ZZ (6200 Serie) Ball Bearings in Stainless Steel (magnetic).....	136
BSS ZZ (6300 Serie) Ball Bearings in Stainless Steel (magnetic).....	137
<u>OVEN BEARING</u>	138 - 140
BTC Oven Bearings for ceramic industry.....	139
BTC ZZ CPG Oven Bearings for ceramic industry.....	140
<u>INDUSTRIAL AND AUTOMOTIVE COMPONENTS</u>	141 - 147
Bearings for Conveyors	142
Bearings for Forklift	143
Customized Rod ends and parts for Hydraulic cylinders	144
Spherical Plain Bearings and Rod ends	145
Wheels and Castors for High temperature	146
Bearings and units for Agricultural machines.....	147





BECO CATALOGUE 2016, BEARINGS FOR EXTREME TEMPERATURES

We have the pleasure of introducing you our new 2016 catalogue, which, in the BeCo tradition, presents several innovations and improvements over the previous editions.

The big news is the new bearing BHTS ZZ 350° BECO PLUS. This new product definitely solves the “black hole” existed in the world production in the range from 300°C to 350°C. For this range till now was available several solutions, but all had some weak points. Some need expensive maintenance, some are very expensive, others cannot accept shock load and so on. The 350°C BECO PLUS works till 350°C without any other contraindication.

We also introduce a new range in C3 for 180°C - BHTS 2RS C3 VT 180°, engineered specifically for dry compressors, industrial fan and packing machinery.

Regarding stainless steel, during the year all the range will be greased with food grease approved.

We continue to increase the availability of the number of items for each range.



Deep Groove Ball Bearings for High & Extreme Temperature

BHTS 2RS C3 VT 180°



**NEW
2015**

BHTS ZZ C4 200°



BHTS 2RS C4 VT 200°



BHTS ZZ C4 220°-250°



BHTS 2RS C4 VT 220°



BHTS 2RS VT 250°-280°



BHTS ZZ 280°



BHT 320°-350°



BHTS ZZ GR CG 350°



BHTS ZZ 350° BECO PLUS



**NEW
2015**

BHT FB 400°



BHT FB 450° BECO PLUS



Pillow Blocks for High & Extreme Temperature



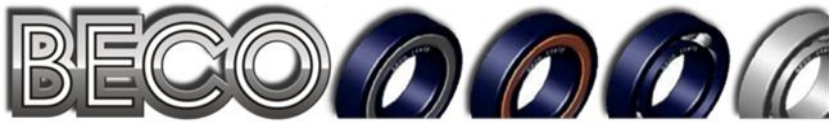


	Speed Low	Speed Medium	Speed High	Maintenance Free	Very Heavy Load	Environment Dirty	Vibration Medium High	Temp. >200°	Temp. >280°	Temp. >320°	Budget Low	Availability Stock	Availability 30-60 days
BHTS 2RS C3 VT 180°	Y	Y	Y	Y	N	Y	Y/N	N	N	N	Y/N	Y/N	Y
BHTS 2RS C4 VT 200°	Y	Y	Y	Y	N	Y	Y/N	N	N	N	Y/N	Y	Y
BHTS ZZ C4 200°	Y	Y	Y	Y	N	N	Y/N	N	N	N	Y	Y	Y
BHTS ZZ C4 220°-250°	Y	Y	Y	Y	N	N	Y/N	Y	N	N	Y/N	Y/N	Y
BHTS 2RS C4 VT 220°	Y	Y	Y	Y	N	Y	Y/N	Y	N	N	N	Y/N	Y
BHTS 2RS VT 250°-280°	Y	Y	N	Y	N	Y	Y/N	Y	N	N	N	Y/N	Y
BHTS ZZ 280°	Y	Y	N	Y	N	N	Y/N	Y	Y	N	Y	Y	Y
BHT 320°-350°	Y	N	N	N	N	Y/N	Y/N	Y	Y	N	Y	Y	Y
BHTS ZZ 350° BECO PLUS	Y	Y/N	N	Y	Y/N	Y/N	Y/N	Y	Y	Y	Y/N	Y	Y
BHTS ZZ GR CG 350°	Y	N	N	Y	N	N	N	Y	Y	Y	N	Y	Y
BHT FB 400°	Y	N	N	N	Y	Y/N	Y	Y	Y	Y	Y/N	Y	Y
BHT FB 450° BECO PLUS	Y	N	N	Y	Y	Y/N	Y	Y	Y	Y	N	Y/N	Y

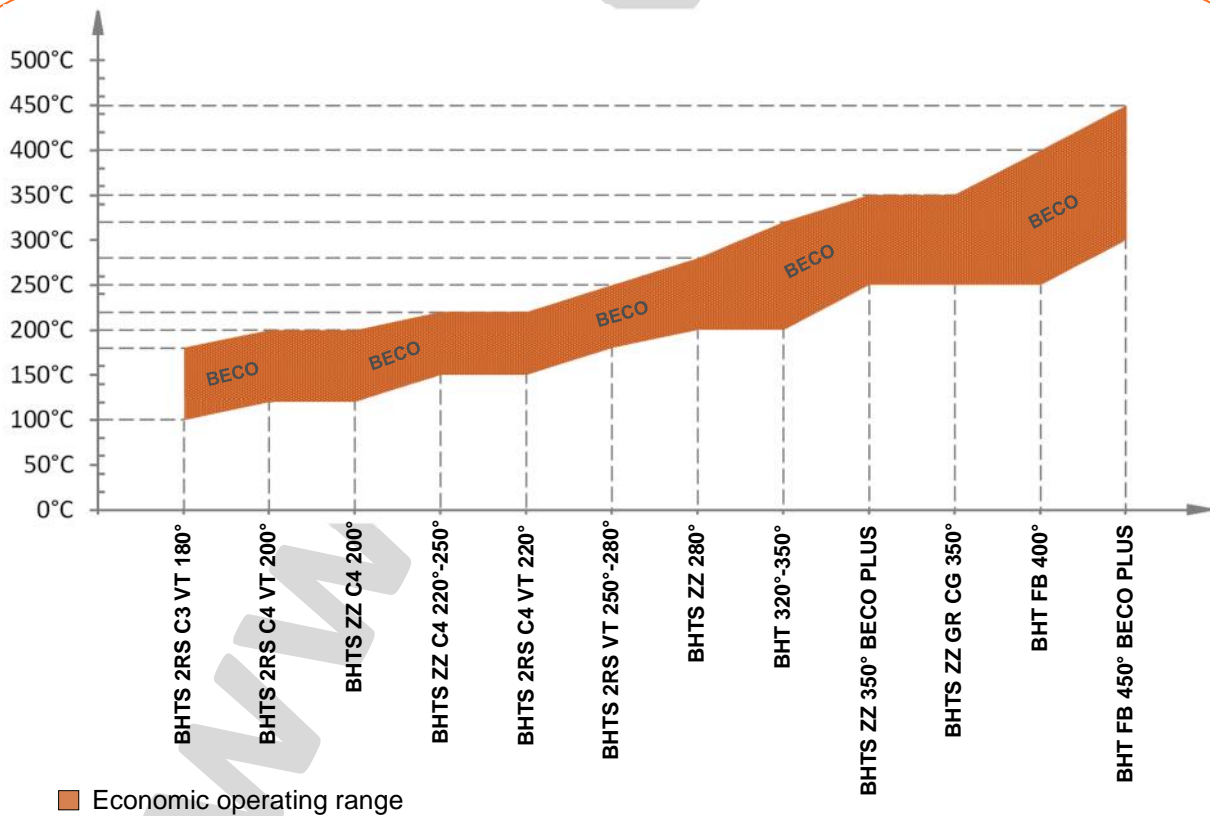
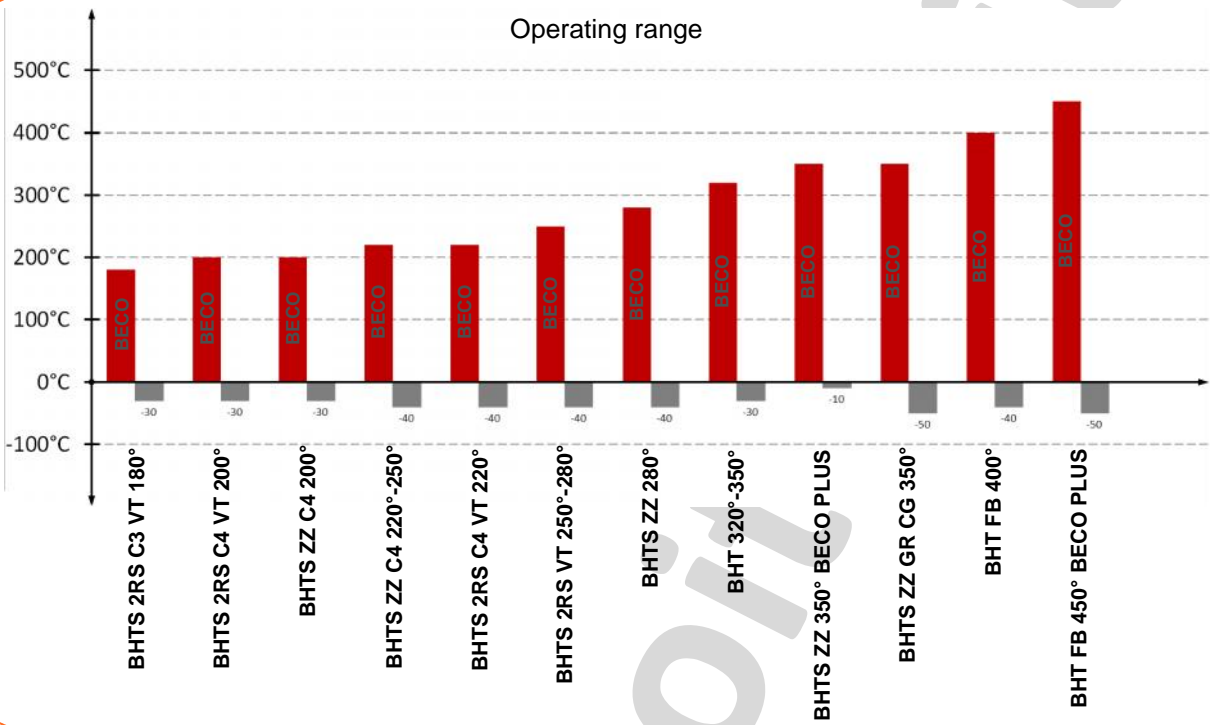
Y = Match completely; Y/N = Match partially; N = Don't match

Speed Low	Normal application < 100 RPM
Speed Medium	Normal application < 1000 RPM
Speed High	Normal application > 2000 RPM (Depending on the bearing side)
Maintenance Free	Do not need additional grease or oil dropping
Very Heavy Load	Load on the limit of the normal characteristic of the bearing
Environment Dirty	Difficult condition of work (dirty - humidity)
Vibration Medium high	Unusual vibration for the application
Temp. > 200°	Suggested for temperature
Temp. > 280°	Suggested for temperature
Temp. > 320°	Suggested for temperature
Budget Low	Bearing with high relation price/value
Availability Stock	Bearing normally available from stock
Availability 30-60 days	Bearing normally available from production in process





Operating range



■ Economic operating range





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

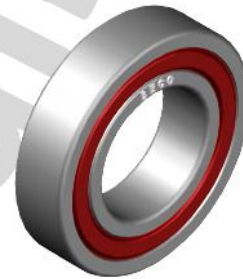
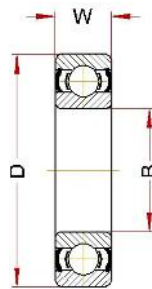
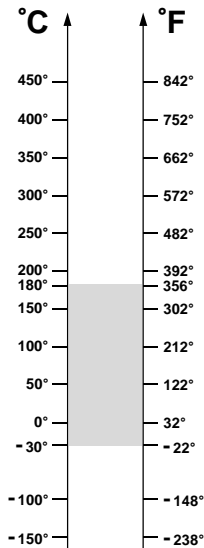
Packaging machinery

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

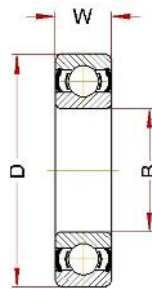
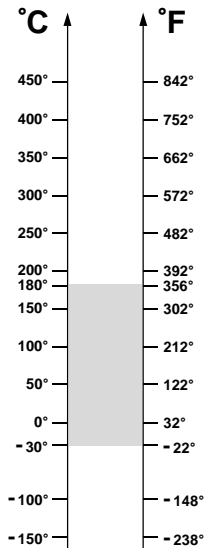
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 180°C	Static Load, kN at 20°C
6000 BHTS 2RS C3 VT 180°	10	26	8	20	6600	1,7	1,96
6001 BHTS 2RS C3 VT 180°	12	28	8	25	6380	2,1	2,36
6002 BHTS 2RS C3 VT 180°	15	32	9	30	6160	2,5	2,85
6003 BHTS 2RS C3 VT 180°	17	35	10	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

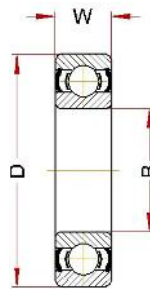
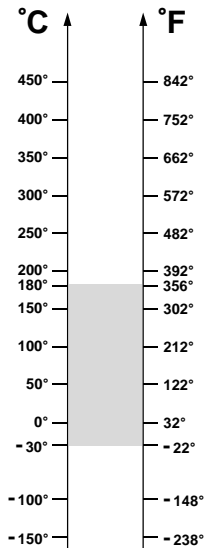
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 180°C	Static Load, kN at 20°C
6200 BHTS 2RS C3 VT 180°	10	30	9	30	6380	2,3	2,60
6201 BHTS 2RS C3 VT 180°	12	32	10	37	6160	2,8	3,10
6202 BHTS 2RS C3 VT 180°	15	35	11	45	5940	3,3	3,75
6203 BHTS 2RS C3 VT 180°	17	40	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

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° (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.



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°C.

Their application range is extremely wide particularly the bearing in BHTS 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 BHTS 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:

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

Radial Clearance C4

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

Industrial Fans

Packaging machinery

Steel industry

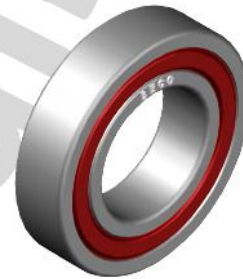
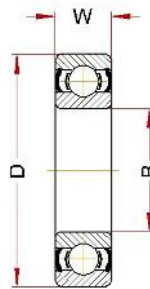
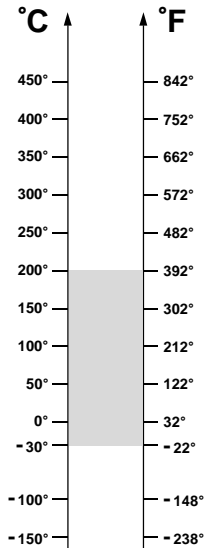
Ceramic industry

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

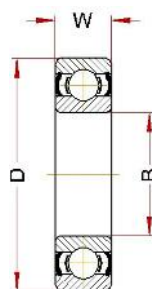
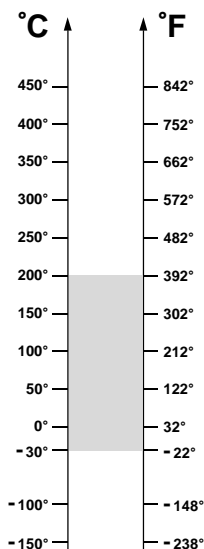
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 200°C	Static Load, kN at 20°C
61800 BHTS 2RS C4 VT 200°	10	19	5	6	6000	0,47	0,53
61801 BHTS 2RS C4 VT 200°	12	21	5	7	6000	0,85	0,95
61802 BHTS 2RS C4 VT 200°	15	24	5	8	6000	1,12	1,25
61803 BHTS 2RS C4 VT 200°	17	26	5	9	6000	1,30	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	2,80
61806 BHTS 2RS C4 VT 200°	30	42	7	27	5000	3,00	3,35
61807 BHTS 2RS C4 VT 200°	35	47	7	32	4800	3,24	3,60
61808 BHTS 2RS C4 VT 200°	40	52	7	35	4400	3,80	4,25
61809 BHTS 2RS C4 VT 200°	45	58	7	42	4000	5,04	5,60
61810 BHTS 2RS C4 VT 200°	50	65	7	52	3600	5,60	6,30

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

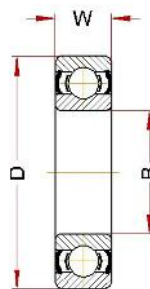
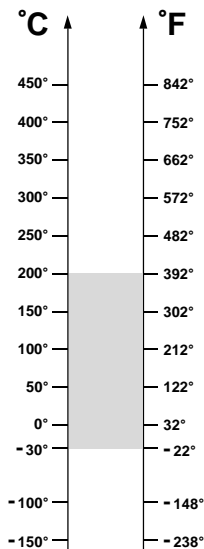
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 200°C	Static Load, kN at 20°C
6000 BHTS 2RS C4 VT 200°	10	26	8	20	6000	1,76	1,96
6001 BHTS 2RS C4 VT 200°	12	28	8	25	5800	2,10	2,36
6002 BHTS 2RS C4 VT 200°	15	32	9	30	5600	2,50	2,85
6003 BHTS 2RS C4 VT 200°	17	35	10	40	5400	2,90	3,25
6004 BHTS 2RS C4 VT 200°	20	42	12	69	5200	4,50	5,00
6005 BHTS 2RS C4 VT 200°	25	47	12	80	4800	5,20	5,85
6006 BHTS 2RS C4 VT 200°	30	55	13	120	4400	7,20	8,00
6007 BHTS 2RS C4 VT 200°	35	62	14	160	4000	9,30	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	14,0	15,6
6011 BHTS 2RS C4 VT 200°	55	90	18	390	2400	19,0	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	25,0
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	34,0
6016 BHTS 2RS C4 VT 200°	80	125	22	850	1200	36,0	40,0
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	45,0	49,9
6019 BHTS 2RS C4 VT 200°	95	145	24	1200	800	48,6	53,9
6020 BHTS 2RS C4 VT 200°	100	150	24	1250	700	48,6	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 200° (6200 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

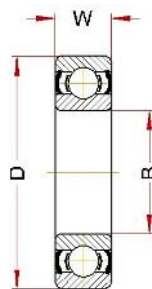
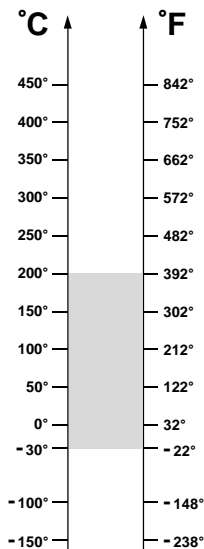
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 200°C	Static Load, kN at 20°C
6200 BHTS 2RS C4 VT 200°	10	30	9	30	5800	2,3	2,60
6201 BHTS 2RS C4 VT 200°	12	32	10	37	5600	2,8	3,10
6202 BHTS 2RS C4 VT 200°	15	35	11	45	5400	3,3	3,75
6203 BHTS 2RS C4 VT 200°	17	40	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	8,00
6206 BHTS 2RS C4 VT 200°	30	62	16	200	4000	10,0	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	18,0
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	24,0
6211 BHTS 2RS C4 VT 200°	55	100	21	610	2000	26,1	29,0
6212 BHTS 2RS C4 VT 200°	60	110	22	780	1800	32,4	36,0
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	44,0
6215 BHTS 2RS C4 VT 200°	75	130	25	1210	1200	44,1	49,0
6216 BHTS 2RS C4 VT 200°	80	140	26	1400	1000	49,5	55,0
6217 BHTS 2RS C4 VT 200°	85	150	28	1800	900	57,6	64,0
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	93,0

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 200° (6300 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 200°C	Static Load, kN at 20°C
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	5,40
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	8,50
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	19,0
6308 BHTS 2RS C4 VT 200°	40	90	23	620	2800	22,5	25,0
6309 BHTS 2RS C4 VT 200°	45	100	25	830	2400	28,8	32,0
6310 BHTS 2RS C4 VT 200°	50	110	27	1050	2000	34,2	38,0
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	52,0
6313 BHTS 2RS C4 VT 200°	65	140	33	2100	1400	54,0	60,0
6314 BHTS 2RS C4 VT 200°	70	150	35	2500	1200	61,2	68,0
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	108,0
6319 BHTS 2RS C4 VT 200°	95	200	45	5650	600	106,2	118,0
6320 BHTS 2RS C4 VT 200°	100	215	47	7000	500	126,0	140,0

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 ZZ C4 200°

Ball Bearings for High Temperature

The BHTS ZZ C4 200° 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° to +200°C. Their application range is extremely wide and covers almost all areas of application, in particular, the BHTS ZZ C4 200° 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 200° bearing allows total security impossible with standard products and allows for safe use up to 200°C degrees. The BHTS ZZ C4 200° is exactly identical to BHTS 2RS C4 VT 200°, with the only difference of having the ZZ shields which allows a considerable cost savings compared to sheet steel with Viton seal.

Technical characteristics:

Bearing material: steel AISI 52100 (Chrome) stabilized to the application
Radial Clearance C4
Shields type ZZ
Lubricated with grease for temperatures up to 200°C

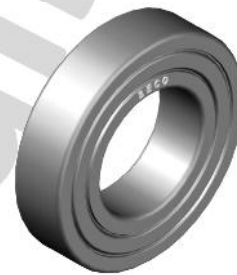
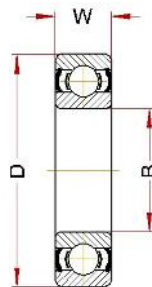
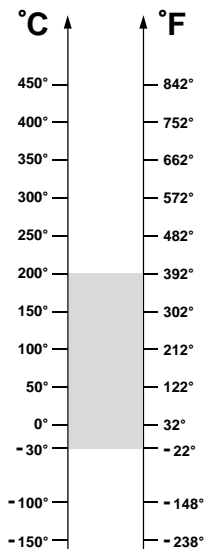
Fields of application:

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



BHTS ZZ C4 200° (61800 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

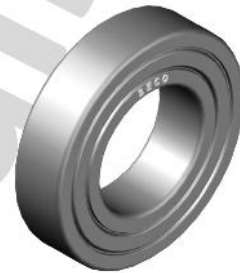
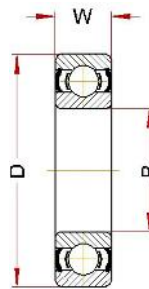
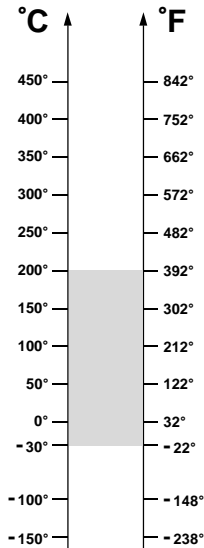
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 200°C	Static Load, kN at 20°C
61800 BHTS ZZ C4 200°	10	19	5	6	6000	0,47	0,53
61801 BHTS ZZ C4 200°	12	21	5	7	6000	0,85	0,95
61802 BHTS ZZ C4 200°	15	24	5	8	6000	1,12	1,25
61803 BHTS ZZ C4 200°	17	26	5	9	6000	1,30	1,45
61804 BHTS ZZ C4 200°	20	32	7	18	5600	2,01	2,24
61805 BHTS ZZ C4 200°	25	37	7	24	5400	2,52	2,80
61806 BHTS ZZ C4 200°	30	42	7	27	5000	3,00	3,35
61807 BHTS ZZ C4 200°	35	47	7	32	4800	3,20	3,60
61808 BHTS ZZ C4 200°	40	52	7	35	4400	3,80	4,25
61809 BHTS ZZ C4 200°	45	58	7	42	4000	5,04	5,60
61810 BHTS ZZ C4 200°	50	65	7	52	3600	5,60	6,30
61811 BHTS ZZ C4 200°	55	72	9	81	3200	7,60	8,50
61812 BHTS ZZ C4 200°	60	78	10	105	2800	9,90	11,0
61813 BHTS ZZ C4 200°	65	85	10	124	2600	10,8	12,0
61814 BHTS ZZ C4 200°	70	90	10	133	2000	11,2	12,5
61815 BHTS ZZ C4 200°	75	95	10	143	2000	12,0	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 ZZ C4 200° (6000 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

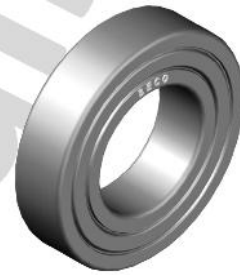
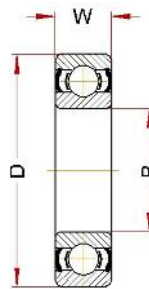
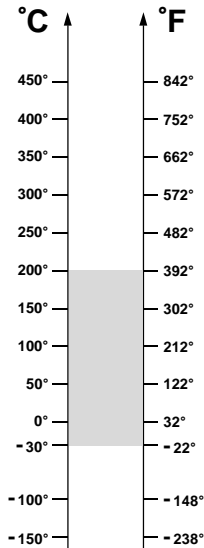
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 200°C	Static Load, kN at 20°C
6000 BHTS ZZ C4 200°	10	26	8	20	6000	1,7	1,96
6001 BHTS ZZ C4 200°	12	28	8	25	5800	2,1	2,36
6002 BHTS ZZ C4 200°	15	32	9	30	5600	2,5	2,85
6003 BHTS ZZ C4 200°	17	35	10	40	5400	2,9	3,25
6004 BHTS ZZ C4 200°	20	42	12	69	5200	4,5	5,00
6005 BHTS ZZ C4 200°	25	47	12	80	4800	5,2	5,85
6006 BHTS ZZ C4 200°	30	55	13	120	4400	7,2	8,00
6007 BHTS ZZ C4 200°	35	62	14	160	4000	9,3	10,4
6008 BHTS ZZ C4 200°	40	68	15	190	3600	10,6	11,8
6009 BHTS ZZ C4 200°	45	75	16	250	3200	12,8	14,3
6010 BHTS ZZ C4 200°	50	80	16	260	2800	14,0	15,6
6011 BHTS ZZ C4 200°	55	90	18	390	2400	19,0	21,2
6012 BHTS ZZ C4 200°	60	95	18	420	2000	20,8	23,2
6013 BHTS ZZ C4 200°	65	100	18	440	1800	22,5	25,0
6014 BHTS ZZ C4 200°	70	110	20	600	1600	28,3	31,5
6015 BHTS ZZ C4 200°	75	115	20	640	1400	30,6	34,0
6016 BHTS ZZ C4 200°	80	125	22	850	1200	36,0	40,0
6017 BHTS ZZ C4 200°	85	130	22	890	1000	38,7	42,9
6018 BHTS ZZ C4 200°	90	140	24	1150	900	45,0	49,9
6019 BHTS ZZ C4 200°	95	145	24	1200	800	48,6	53,9
6020 BHTS ZZ C4 200°	100	150	24	1250	700	48,6	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 ZZ C4 200° (6200 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

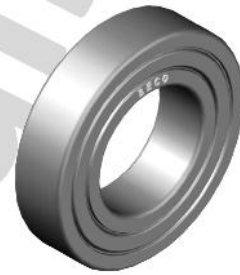
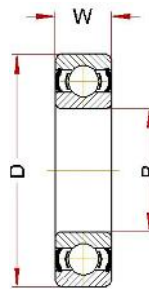
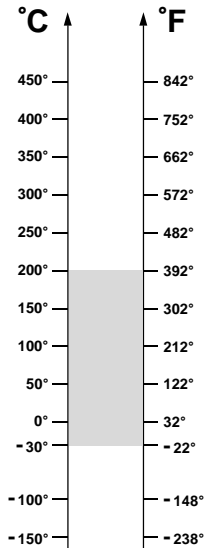
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 200°C	Static Load, kN at 20°C
6200 BHTS ZZ C4 200°	10	30	9	30	5800	2,3	2,6
6201 BHTS ZZ C4 200°	12	32	10	37	5600	2,8	3,1
6202 BHTS ZZ C4 200°	15	35	11	45	5400	3,3	3,7
6203 BHTS ZZ C4 200°	17	40	12	65	5200	4,2	4,7
6204 BHTS ZZ C4 200°	20	47	14	110	4800	5,9	6,5
6205 BHTS ZZ C4 200°	25	52	15	130	4400	7,2	8,0
6206 BHTS ZZ C4 200°	30	62	16	200	4000	10,0	11,2
6207 BHTS ZZ C4 200°	35	72	17	290	3600	13,7	15,3
6208 BHTS ZZ C4 200°	40	80	18	370	3200	16,2	18,0
6209 BHTS ZZ C4 200°	45	85	19	410	2800	18,3	20,4
6210 BHTS ZZ C4 200°	50	90	20	460	2400	21,6	24,0
6211 BHTS ZZ C4 200°	55	100	21	610	2000	26,1	29,0
6212 BHTS ZZ C4 200°	60	110	22	780	1800	32,4	36,0
6213 BHTS ZZ C4 200°	65	120	23	990	1600	37,3	41,5
6214 BHTS ZZ C4 200°	70	125	24	1040	1400	39,6	44,0
6215 BHTS ZZ C4 200°	75	130	25	1210	1200	44,1	49,0
6216 BHTS ZZ C4 200°	80	140	26	1400	1000	49,5	55,0
6217 BHTS ZZ C4 200°	85	150	28	1800	900	57,6	64,0
6218 BHTS ZZ C4 200°	90	160	30	2150	800	66,1	73,5
6219 BHTS ZZ C4 200°	95	170	32	2600	700	73,3	81,5
6220 BHTS ZZ C4 200°	100	180	34	3150	600	83,7	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 ZZ C4 200° (6300 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

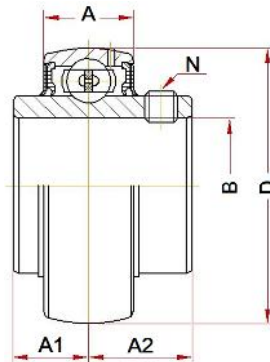
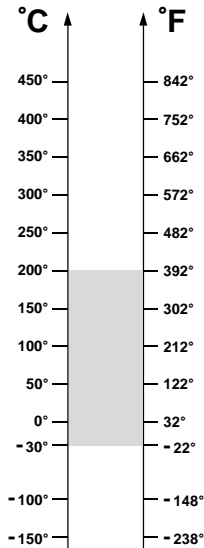
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 200°C	Static Load, kN at 20°C
6300 BHTS ZZ C4 200°	10	35	11	52	5600	3,1	3,45
6301 BHTS ZZ C4 200°	12	37	12	60	5400	3,7	4,15
6302 BHTS ZZ C4 200°	15	42	13	80	5200	4,8	5,40
6303 BHTS ZZ C4 200°	17	47	14	120	4800	5,8	6,55
6304 BHTS ZZ C4 200°	20	52	15	140	4400	7,6	8,50
6305 BHTS ZZ C4 200°	25	62	17	225	4000	10,2	11,4
6306 BHTS ZZ C4 200°	30	72	19	350	3600	14,6	16,3
6307 BHTS ZZ C4 200°	35	80	21	450	3200	17,1	19,0
6308 BHTS ZZ C4 200°	40	90	23	620	2800	22,5	25,0
6309 BHTS ZZ C4 200°	45	100	25	830	2400	28,8	32,0
6310 BHTS ZZ C4 200°	50	110	27	1050	2000	34,2	38,0
6311 BHTS ZZ C4 200°	55	120	29	1350	1800	42,7	47,5
6312 BHTS ZZ C4 200°	60	130	31	1700	1600	46,8	52,0
6313 BHTS ZZ C4 200°	65	140	33	2100	1400	54,0	60,0
6314 BHTS ZZ C4 200°	70	150	35	2500	1200	61,2	68,0
6315 BHTS ZZ C4 200°	75	160	37	3000	1000	68,8	76,5
6316 BHTS ZZ C4 200°	80	170	39	3600	900	77,8	86,5
6317 BHTS ZZ C4 200°	85	180	41	4250	800	86,8	96,5
6318 BHTS ZZ C4 200°	90	190	43	4900	700	97,2	108
6319 BHTS ZZ C4 200°	95	200	45	5650	600	106,2	118
6320 BHTS ZZ C4 200°	100	215	47	7000	500	126,0	140

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 ZZ C4 200° (UC Serie)

Insert Bearings for High Temperature



OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

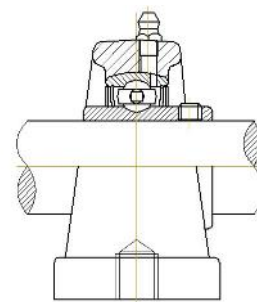
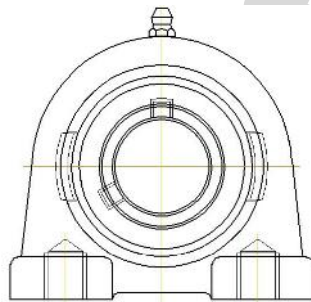
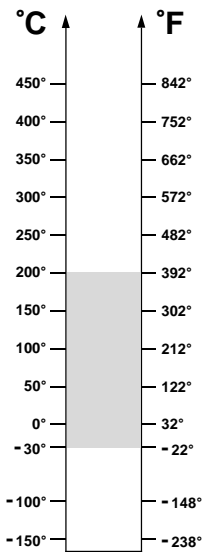
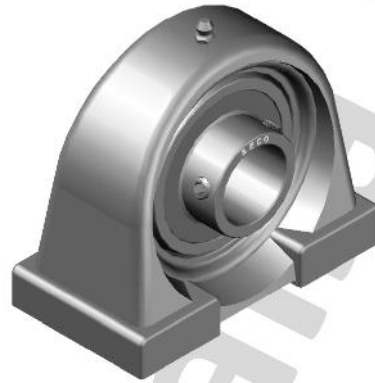
Designation	Bore (B)	Diam (D)	A	A1	A2	N	Weight, g	Limiting Speed, RPM	Static Load, kN at 200°C	Static Load, kN at 20°C
UC 201 BHTS ZZ C4 200°	12	47	13 ± 2	11,5	15,9	M6x0,75	200	1440	6,0	6,6
UC 202 BHTS ZZ C4 200°	15	47	13 ± 2	11,5	15,9	M6x0,75	200	1440	6,0	6,6
UC 203 BHTS ZZ C4 200°	17	47	13 ± 2	11,5	15,9	M6x0,75	200	1440	6,0	6,6
UC 204 BHTS ZZ C4 200°	20	47	15 ± 2	12,7	18,3	M6x0,75	250	1200	6,0	6,6
UC 205 BHTS ZZ C4 200°	25	52	16 ± 1	14,3	19,8	M6x0,75	300	1120	7,09	7,8
UC 206 BHTS ZZ C4 200°	30	62	17 ± 2	15,9	22,2	M6x0,75	350	880	10,19	11,2
UC 207 BHTS ZZ C4 200°	35	72	18 ± 2	17,5	25,4	M8x1,00	500	760	13,73	15,1
UC 208 BHTS ZZ C4 200°	40	80	19 ± 2	19,0	30,2	M8x1,00	700	680	16,55	18,2
UC 209 BHTS ZZ C4 200°	45	85	20 ± 2	19,0	30,2	M8x1,00	800	640	18,73	20,6
UC 210 BHTS ZZ C4 200°	50	90	22 ± 2	19,0	32,6	M10x1,25	900	600	21,00	23,1
UC 211 BHTS ZZ C4 200°	55	100	23 ± 2	22,2	33,4	M10x1,25	1300	536	26,37	29,0
UC 212 BHTS ZZ C4 200°	60	110	24 ± 3	25,4	39,7	M10x1,25	1700	480	29,64	32,6
UC 213 BHTS ZZ C4 200°	65	120	27 ± 5	25,4	39,7	M10x1,25	1900	424	36,19	39,8
UC 214 BHTS ZZ C4 200°	70	125	28 ± 5	30,2	44,4	M12x1,50	2100	400	40,64	44,7
UC 215 BHTS ZZ C4 200°	75	130	29 ± 5	33,3	44,5	M12x1,50	2200	384	44,73	49,2

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 ZZ C4 200° (UCPA Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

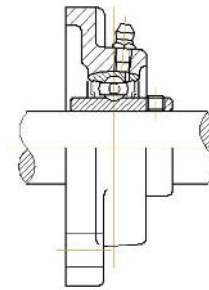
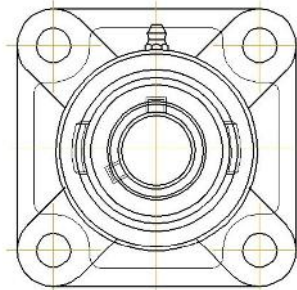
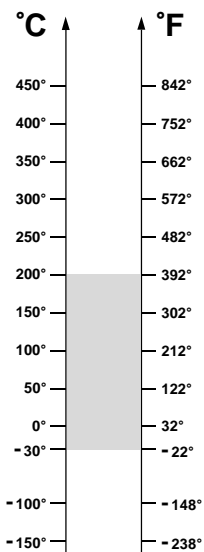
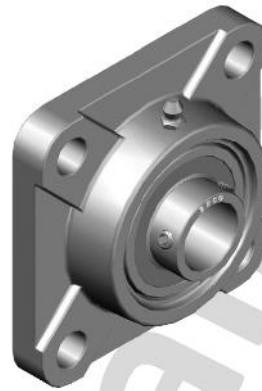
Unit code	Bearing code	Housing code
UCPA 201 BHTS ZZ C4 200°	UC 201 BHTS ZZ C4 200°	PA 204 SS
UCPA 202 BHTS ZZ C4 200°	UC 202 BHTS ZZ C4 200°	PA 204 SS
UCPA 203 BHTS ZZ C4 200°	UC 203 BHTS ZZ C4 200°	PA 204 SS
UCPA 204 BHTS ZZ C4 200°	UC 204 BHTS ZZ C4 200°	PA 204 SS
UCPA 205 BHTS ZZ C4 200°	UC 205 BHTS ZZ C4 200°	PA 205 SS
UCPA 206 BHTS ZZ C4 200°	UC 206 BHTS ZZ C4 200°	PA 206 SS
UCPA 207 BHTS ZZ C4 200°	UC 207 BHTS ZZ C4 200°	PA 207 SS
UCPA 208 BHTS ZZ C4 200°	UC 208 BHTS ZZ C4 200°	PA 208 SS
UCPA 209 BHTS ZZ C4 200°	UC 209 BHTS ZZ C4 200°	PA 209 SS
UCPA 210 BHTS ZZ C4 200°	UC 210 BHTS ZZ C4 200°	PA 210 SS

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 ZZ C4 200° (UCF Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

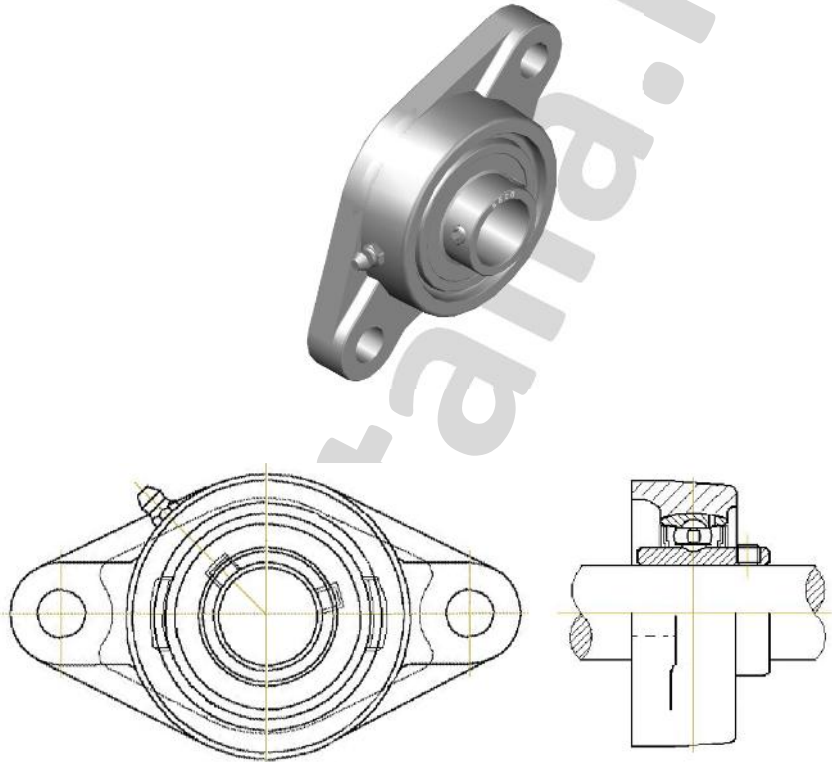
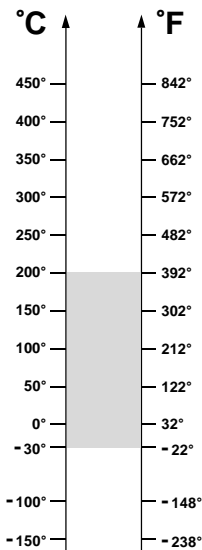
Unit code	Bearing code	Housing code
UCF 201 BHTS ZZ C4 200°	UC 201 BHTS ZZ C4 200°	F 204 SS
UCF 202 BHTS ZZ C4 200°	UC 202 BHTS ZZ C4 200°	F 204 SS
UCF 203 BHTS ZZ C4 200°	UC 203 BHTS ZZ C4 200°	F 204 SS
UCF 204 BHTS ZZ C4 200°	UC 204 BHTS ZZ C4 200°	F 204 SS
UCF 205 BHTS ZZ C4 200°	UC 205 BHTS ZZ C4 200°	F 205 SS
UCF 206 BHTS ZZ C4 200°	UC 206 BHTS ZZ C4 200°	F 206 SS
UCF 207 BHTS ZZ C4 200°	UC 207 BHTS ZZ C4 200°	F 207 SS
UCF 208 BHTS ZZ C4 200°	UC 208 BHTS ZZ C4 200°	F 208 SS
UCF 209 BHTS ZZ C4 200°	UC 209 BHTS ZZ C4 200°	F 209 SS
UCF 210 BHTS ZZ C4 200°	UC 210 BHTS ZZ C4 200°	F 210 SS
UCF 211 BHTS ZZ C4 200°	UC 211 BHTS ZZ C4 200°	F 211 SS
UCF 212 BHTS ZZ C4 200°	UC 212 BHTS ZZ C4 200°	F 212 SS
UCF 213 BHTS ZZ C4 200°	UC 213 BHTS ZZ C4 200°	F 213 SS
UCF 214 BHTS ZZ C4 200°	UC 214 BHTS ZZ C4 200°	F 214 SS
UCF 215 BHTS ZZ C4 200°	UC 215 BHTS ZZ C4 200°	F 215 SS

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 ZZ C4 200° (UCFL Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

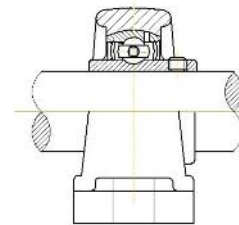
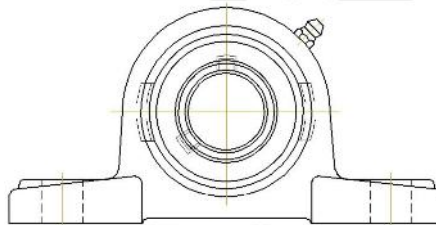
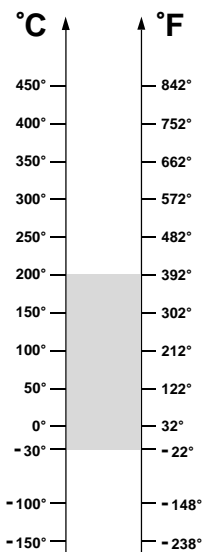
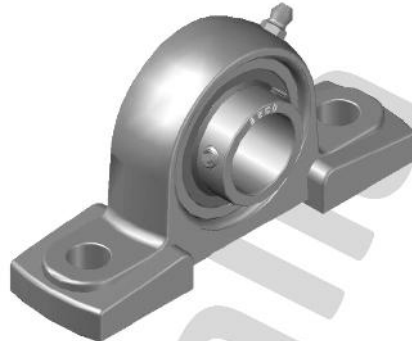
Unit code	Bearing code	Housing code
UCFL 201 BHTS ZZ C4 200°	UC 201 BHTS ZZ C4 200°	FL 204 SS
UCFL 202 BHTS ZZ C4 200°	UC 202 BHTS ZZ C4 200°	FL 204 SS
UCFL 203 BHTS ZZ C4 200°	UC 203 BHTS ZZ C4 200°	FL 204 SS
UCFL 204 BHTS ZZ C4 200°	UC 204 BHTS ZZ C4 200°	FL 204 SS
UCFL 205 BHTS ZZ C4 200°	UC 205 BHTS ZZ C4 200°	FL 205 SS
UCFL 206 BHTS ZZ C4 200°	UC 206 BHTS ZZ C4 200°	FL 206 SS
UCFL 207 BHTS ZZ C4 200°	UC 207 BHTS ZZ C4 200°	FL 207 SS
UCFL 208 BHTS ZZ C4 200°	UC 208 BHTS ZZ C4 200°	FL 208 SS
UCFL 209 BHTS ZZ C4 200°	UC 209 BHTS ZZ C4 200°	FL 209 SS
UCFL 210 BHTS ZZ C4 200°	UC 210 BHTS ZZ C4 200°	FL 210 SS
UCFL 211 BHTS ZZ C4 200°	UC 211 BHTS ZZ C4 200°	FL 211 SS
UCFL 212 BHTS ZZ C4 200°	UC 212 BHTS ZZ C4 200°	FL 212 SS

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 ZZ C4 200° (UCP Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

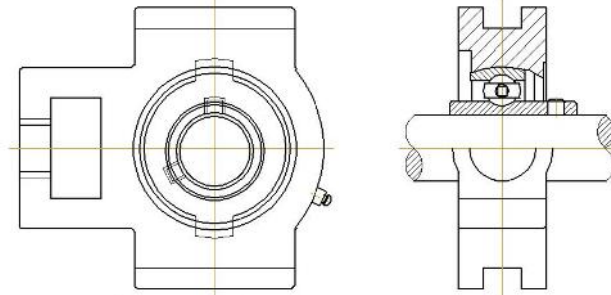
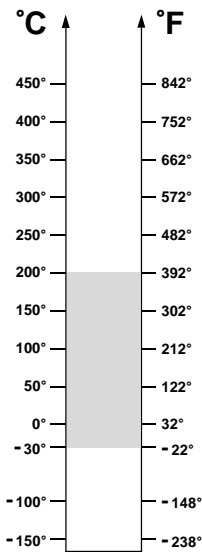
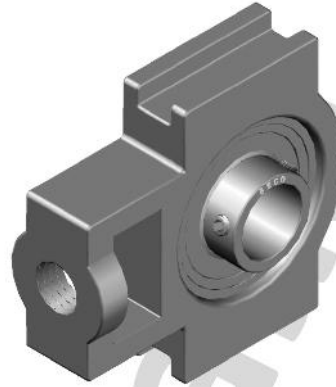
Unit code	Bearing code	Housing code
UCP 201 BHTS ZZ C4 200°	UC 201 BHTS ZZ C4 200°	P 204 SS
UCP 202 BHTS ZZ C4 200°	UC 202 BHTS ZZ C4 200°	P 204 SS
UCP 203 BHTS ZZ C4 200°	UC 203 BHTS ZZ C4 200°	P 204 SS
UCP 204 BHTS ZZ C4 200°	UC 204 BHTS ZZ C4 200°	P 204 SS
UCP 205 BHTS ZZ C4 200°	UC 205 BHTS ZZ C4 200°	P 205 SS
UCP 206 BHTS ZZ C4 200°	UC 206 BHTS ZZ C4 200°	P 206 SS
UCP 207 BHTS ZZ C4 200°	UC 207 BHTS ZZ C4 200°	P 207 SS
UCP 208 BHTS ZZ C4 200°	UC 208 BHTS ZZ C4 200°	P 208 SS
UCP 209 BHTS ZZ C4 200°	UC 209 BHTS ZZ C4 200°	P 209 SS
UCP 210 BHTS ZZ C4 200°	UC 210 BHTS ZZ C4 200°	P 210 SS
UCP 211 BHTS ZZ C4 200°	UC 211 BHTS ZZ C4 200°	P 211 SS
UCP 212 BHTS ZZ C4 200°	UC 212 BHTS ZZ C4 200°	P 212 SS
UCP 213 BHTS ZZ C4 200°	UC 213 BHTS ZZ C4 200°	P 213 SS
UCP 214 BHTS ZZ C4 200°	UC 214 BHTS ZZ C4 200°	P 214 SS
UCP 215 BHTS ZZ C4 200°	UC 215 BHTS ZZ C4 200°	P 215 SS

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 ZZ C4 200° (UCT Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -30° / 200°C

ECONOMIC OPERATING RANGE: 120° / 200°C

Unit code	Bearing code	Housing code
UCT 201 BHTS ZZ C4 200°	UC 201 BHTS ZZ C4 200°	T 204 SS
UCT 202 BHTS ZZ C4 200°	UC 202 BHTS ZZ C4 200°	T 204 SS
UCT 203 BHTS ZZ C4 200°	UC 203 BHTS ZZ C4 200°	T 204 SS
UCT 204 BHTS ZZ C4 200°	UC 204 BHTS ZZ C4 200°	T 204 SS
UCT 205 BHTS ZZ C4 200°	UC 205 BHTS ZZ C4 200°	T 205 SS
UCT 206 BHTS ZZ C4 200°	UC 206 BHTS ZZ C4 200°	T 206 SS
UCT 207 BHTS ZZ C4 200°	UC 207 BHTS ZZ C4 200°	T 207 SS
UCT 208 BHTS ZZ C4 200°	UC 208 BHTS ZZ C4 200°	T 208 SS
UCT 209 BHTS ZZ C4 200°	UC 209 BHTS ZZ C4 200°	T 209 SS
UCT 210 BHTS ZZ C4 200°	UC 210 BHTS ZZ C4 200°	T 210 SS
UCT 211 BHTS ZZ C4 200°	UC 211 BHTS ZZ C4 200°	T 211 SS
UCT 212 BHTS ZZ C4 200°	UC 212 BHTS ZZ C4 200°	T 212 SS

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°

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)

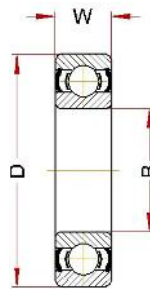
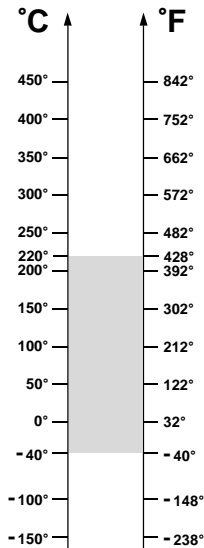
Fields of application:

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

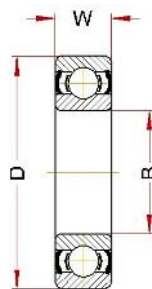
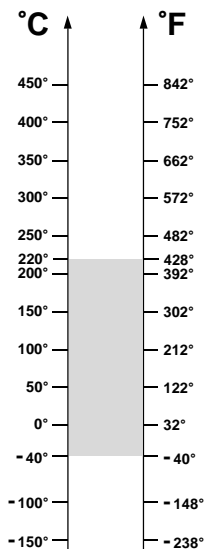
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 220°C	Static Load, kN at 20°C
6000 BHTS 2RS C4 VT 220°	10	26	8	20	4200	1,50	1,96
6001 BHTS 2RS C4 VT 220°	12	28	8	25	4060	1,79	2,36
6002 BHTS 2RS C4 VT 220°	15	32	9	30	3920	2,13	2,85
6003 BHTS 2RS C4 VT 220°	17	35	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

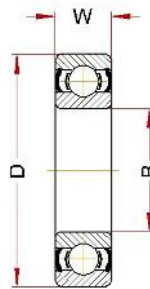
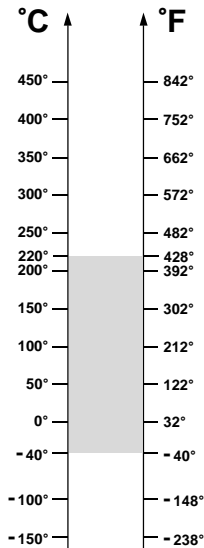
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 220°C	Static Load, kN at 20°C
6200 BHTS 2RS C4 VT 220°	10	30	9	30	4060	1,96	2,60
6201 BHTS 2RS C4 VT 220°	12	32	10	37	3920	2,38	3,10
6202 BHTS 2RS C4 VT 220°	15	35	11	45	3780	2,81	3,75
6203 BHTS 2RS C4 VT 220°	17	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.

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 ZZ C4 220°-250°

Ball Bearings for High Temperature

The BHTS ZZ C4 220°-250° 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 -40°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° 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° bearing allows total security impossible with standard products and allows for safe use up to 250°C degrees. The BHTS ZZ C4 220°-250°, is exactly identical to the BHTS 2RS VT 220° with the only difference of having the ZZ shields which allows a considerable cost savings compared to sheet steel with Viton seal.

Technical characteristics:

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

Radial Clearance C4

Shields type ZZ

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

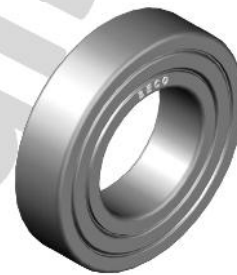
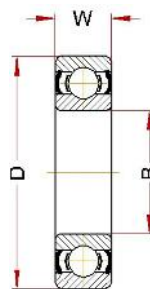
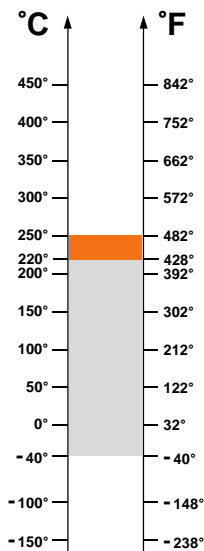
Fields of application:

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



BHTS 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	Static Load, kN at 250°C	Static Load, kN at 20°C
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	5,00
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	8,00
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	10,8	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	16,1	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	19,1	25,0
6014 BHTS ZZ C4 220°-250°	70	110	20	600	1120	22,8	31,5
6015 BHTS ZZ C4 220°-250°	75	115	20	640	980	24,0	34,0

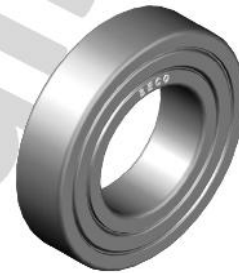
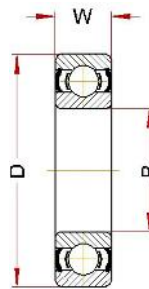
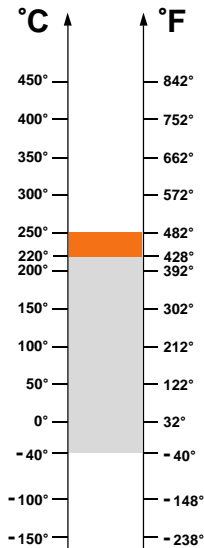
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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.

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	Static Load, kN at 250°C	Static Load, kN at 20°C
6200 BHTS ZZ C4 220°-250°	10	30	9	30	4060	1,96	2,60
6201 BHTS ZZ C4 220°-250°	12	32	10	37	3920	2,38	3,10
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	8,00
6206 BHTS ZZ C4 220°-250°	30	62	16	200	2800	8,50	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	18,0
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	24,0
6211 BHTS ZZ C4 220°-250°	55	100	21	610	1400	22,19	29,0
6212 BHTS ZZ C4 220°-250°	60	110	22	780	1260	27,34	36,0
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	44,0
6215 BHTS ZZ C4 220°-250°	75	130	25	1210	840	37,49	49,0

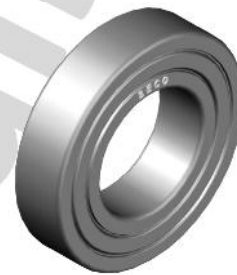
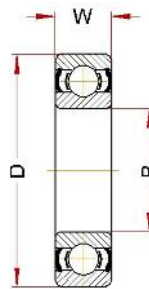
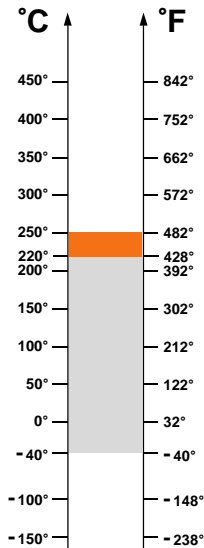
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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.

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	Static Load, kN at 250°C	Static Load, kN at 20°C
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	5,40
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	6,40	8,50
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	12,4	16,3
6307 BHTS ZZ C4 220°-250°	35	80	21	450	2240	14,5	19,0
6308 BHTS ZZ C4 220°-250°	40	90	23	620	1960	19,1	25,0
6309 BHTS ZZ C4 220°-250°	45	100	25	830	1680	24,3	32,0
6310 BHTS ZZ C4 220°-250°	50	110	27	1050	1400	29,1	38,0
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	52,0
6313 BHTS ZZ C4 220°-250°	65	140	33	2100	980	45,9	60,0
6314 BHTS ZZ C4 220°-250°	70	150	35	2500	840	52,0	68,0
6315 BHTS ZZ C4 220°-250°	75	160	37	3000	700	58,5	76,5

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 2RS VT 250°-280°

Ball Bearings for High Temperature

The BHTS 2RS VT 250°-280° ball bearings are designed on the dimensions of a standard bearing but with treatments of stabilization, surface treatment, radial clearance, greases and special Viton seals, which make them suitable for operation from -40°C to between +250° and +280°C. Their recommended range of application is between +180° and +250°C. The dual display of 250°- 280°C was designed to clearly indicate that the bearing is effectively a bearing for 280°C, but the Viton seals have a reduction of duration in excess of 250°C for which the bearing achieves its best performance in the above-mentioned range of 180° to 250°C. Below 220°C, there are the BHTS 2RS C4 VT 220° available, which are cheaper and also allow a much higher rotational speed. The range of the BHTS 2RS VT 250°-280° is replacing the BHTS ZZ 280°, which presents the same functional, structural characteristics, but with levels of protection against weather conditions significantly lower. The Viton characteristics are ideal in resisting many types of acids, however the BHTS 2RS VT 250°-280° is designed exclusively for applications in high temperatures.

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
Treatment of manganese phosphate coating on all steel parts of the bearing
Radial Clearance 4xC5
Seals 2RS Viton
Lubricated with PTFE based on silicone free grease for temperatures up to 280°C
(with a drop point above 400°C)

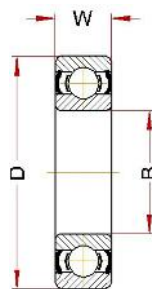
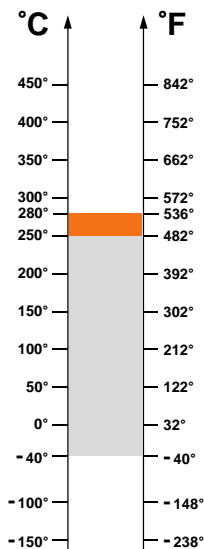
Fields of application:

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



BHTS 2RS VT 250°-280° (6000 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -40° / 250°C

ECONOMIC OPERATING RANGE: 180° / 250°C

SHORT-TIME OPERATING RANGE: 250° / 280°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
6000 BHTS 2RS VT 250°-280°	10	26	8	20	2240	1,40	1,96
6001 BHTS 2RS VT 250°-280°	12	28	8	25	2080	1,69	2,36
6002 BHTS 2RS VT 250°-280°	15	32	9	30	1920	2,04	2,85
6003 BHTS 2RS VT 250°-280°	17	35	10	40	1760	2,33	3,25
6004 BHTS 2RS VT 250°-280°	20	42	12	69	1600	3,58	5,00
6005 BHTS 2RS VT 250°-280°	25	47	12	80	1360	4,18	5,85
6006 BHTS 2RS VT 250°-280°	30	55	13	120	1040	5,72	8,00
6007 BHTS 2RS VT 250°-280°	35	62	14	160	880	7,43	10,4
6008 BHTS 2RS VT 250°-280°	40	68	15	190	800	8,43	11,8
6009 BHTS 2RS VT 250°-280°	45	75	16	250	720	10,22	14,3
6010 BHTS 2RS VT 250°-280°	50	80	16	260	680	11,14	15,6
6011 BHTS 2RS VT 250°-280°	55	90	18	390	600	15,14	21,2
6012 BHTS 2RS VT 250°-280°	60	95	18	420	560	16,57	23,2
6013 BHTS 2RS VT 250°-280°	65	100	18	440	504	17,86	25,0
6014 BHTS 2RS VT 250°-280°	70	110	20	600	480	22,50	31,5
6015 BHTS 2RS VT 250°-280°	75	115	20	640	448	24,29	34,0
6016 BHTS 2RS VT 250°-280°	80	125	22	850	400	28,57	40,0
6017 BHTS 2RS VT 250°-280°	85	130	22	890	380	30,64	42,9
6018 BHTS 2RS VT 250°-280°	90	140	24	1150	360	35,64	49,9
6019 BHTS 2RS VT 250°-280°	95	145	24	1200	340	38,53	53,9
6020 BHTS 2RS VT 250°-280°	100	150	24	1250	300	38,53	53,9

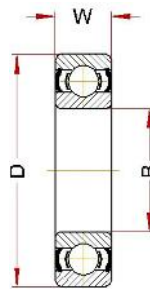
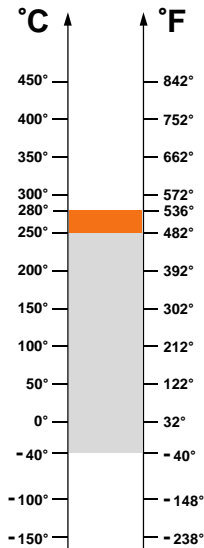
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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.

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

BHTS 2RS VT 250°-280° (6200 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -40° / 250°C

ECONOMIC OPERATING RANGE: 180° / 250°C

SHORT-TIME OPERATING RANGE: 250° / 280°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
6200 BHTS 2RS VT 250°-280°	10	30	9	30	2080	1,86	2,60
6201 BHTS 2RS VT 250°-280°	12	32	10	37	1920	2,22	3,10
6202 BHTS 2RS VT 250°-280°	15	35	11	45	1600	2,68	3,75
6203 BHTS 2RS VT 250°-280°	17	40	12	65	1440	3,39	4,75
6204 BHTS 2RS VT 250°-280°	20	47	14	110	1200	4,68	6,55
6205 BHTS 2RS VT 250°-280°	25	52	15	130	1120	5,71	8,00
6206 BHTS 2RS VT 250°-280°	30	62	16	200	880	8,00	11,2
6207 BHTS 2RS VT 250°-280°	35	72	17	290	760	10,93	15,3
6208 BHTS 2RS VT 250°-280°	40	80	18	370	680	12,86	18,0
6209 BHTS 2RS VT 250°-280°	45	85	19	410	640	14,57	20,4
6210 BHTS 2RS VT 250°-280°	50	90	20	460	600	17,14	24,0
6211 BHTS 2RS VT 250°-280°	55	100	21	610	536	20,71	29,0
6212 BHTS 2RS VT 250°-280°	60	110	22	780	480	25,71	36,0
6213 BHTS 2RS VT 250°-280°	65	120	23	990	424	29,64	41,5
6214 BHTS 2RS VT 250°-280°	70	125	24	1040	400	31,43	44,0
6215 BHTS 2RS VT 250°-280°	75	130	25	1210	384	35,00	49,0
6216 BHTS 2RS VT 250°-280°	80	140	26	1400	350	39,29	55,0
6217 BHTS 2RS VT 250°-280°	85	150	28	1800	330	45,72	64,0
6218 BHTS 2RS VT 250°-280°	90	160	30	2150	310	52,50	73,5
6219 BHTS 2RS VT 250°-280°	95	170	32	2600	300	58,21	81,5
6220 BHTS 2RS VT 250°-280°	100	180	34	3150	290	66,43	93,0

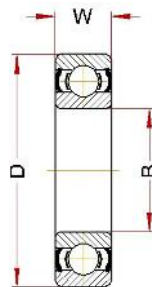
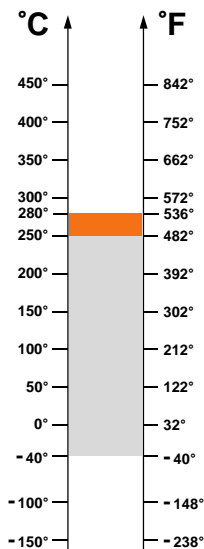
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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.

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

BHTS 2RS VT 250°-280° (6300 Serie)

Ball Bearings for High Temperature



OPERATING RANGE: -40° / 250°C

ECONOMIC OPERATING RANGE: 180° / 250°C

SHORT-TIME OPERATING RANGE: 250° / 280°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
6300 BHTS 2RS VT 250°-280°	10	35	11	52	1760	2,46	3,45
6301 BHTS 2RS VT 250°-280°	12	37	12	60	1600	2,96	4,15
6302 BHTS 2RS VT 250°-280°	15	42	13	80	1440	3,86	5,40
6303 BHTS 2RS VT 250°-280°	17	47	14	120	1280	4,68	6,55
6304 BHTS 2RS VT 250°-280°	20	52	15	140	1120	6,07	8,50
6305 BHTS 2RS VT 250°-280°	25	62	17	225	880	8,14	11,4
6306 BHTS 2RS VT 250°-280°	30	72	19	350	760	11,64	16,3
6307 BHTS 2RS VT 250°-280°	35	80	21	450	680	13,57	19,0
6308 BHTS 2RS VT 250°-280°	40	90	23	620	600	17,86	25,0
6309 BHTS 2RS VT 250°-280°	45	100	25	830	536	22,86	32,0
6310 BHTS 2RS VT 250°-280°	50	110	27	1050	480	27,14	38,0
6311 BHTS 2RS VT 250°-280°	55	120	29	1350	424	33,93	47,5
6312 BHTS 2RS VT 250°-280°	60	130	31	1700	400	37,14	52,0
6313 BHTS 2RS VT 250°-280°	65	140	33	2100	360	42,86	60,0
6314 BHTS 2RS VT 250°-280°	70	150	35	2500	344	32,86	68,0
6315 BHTS 2RS VT 250°-280°	75	160	37	3000	320	54,64	76,5
6316 BHTS 2RS VT 250°-280°	80	170	39	3600	300	61,79	86,5
6317 BHTS 2RS VT 250°-280°	85	180	41	4250	290	68,93	96,5
6318 BHTS 2RS VT 250°-280°	90	190	43	4900	270	77,14	108
6319 BHTS 2RS VT 250°-280°	95	200	45	5650	250	84,29	118
6320 BHTS 2RS VT 250°-280°	100	215	47	7000	230	100,0	140

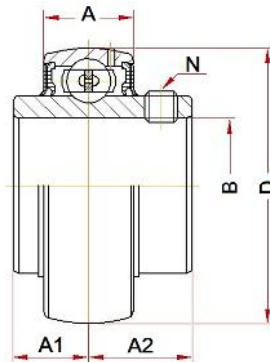
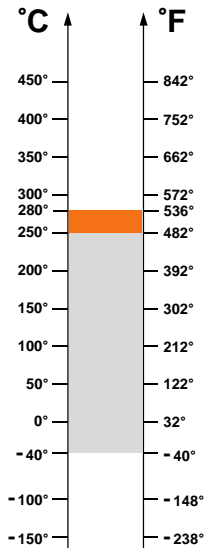
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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 2RS VT 250°-280° (UC Serie)

Insert Bearings for High Temperature



OPERATING RANGE: -40° / 250°C

ECONOMIC OPERATING RANGE: 180° / 250°C

SHORT-TIME OPERATING RANGE: 250° / 280°C

Designation	Bore (B)	Diam (D)	A	A1	A2	N	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
UC 201 BHTS 2RS VT 250°-280°	12	47	13 ± 2	11,5	15,9	M6x0,75	200	1440	4,72	6,6
UC 202 BHTS 2RS VT 250°-280°	15	47	13 ± 2	11,5	15,9	M6x0,75	200	1440	4,72	6,6
UC 203 BHTS 2RS VT 250°-280°	17	47	13 ± 2	11,5	15,9	M6x0,75	200	1440	4,72	6,6
UC 204 BHTS 2RS VT 250°-280°	20	47	15 ± 2	12,7	18,3	M6x0,75	250	1200	4,72	6,6
UC 205 BHTS 2RS VT 250°-280°	25	52	16 ± 1	14,3	19,8	M6x0,75	300	1120	5,58	7,8
UC 206 BHTS 2RS VT 250°-280°	30	62	17 ± 2	15,9	22,2	M6x0,75	350	880	8,00	11,2
UC 207 BHTS 2RS VT 250°-280°	35	72	18 ± 2	17,5	25,4	M8x1,00	500	760	10,7	15,1
UC 208 BHTS 2RS VT 250°-280°	40	80	19 ± 2	19,0	30,2	M8x1,00	700	680	13,0	18,2
UC 209 BHTS 2RS VT 250°-280°	45	85	20 ± 2	19,0	30,2	M8x1,00	800	640	14,7	20,6
UC 210 BHTS 2RS VT 250°-280°	50	90	22 ± 2	19,0	32,6	M10x1,25	900	600	16,5	23,1
UC 211 BHTS 2RS VT 250°-280°	55	100	23 ± 2	22,2	33,4	M10x1,25	1300	536	20,7	29,0
UC 212 BHTS 2RS VT 250°-280°	60	110	24 ± 3	25,4	39,7	M10x1,25	1700	480	25,3	32,6
UC 213 BHTS 2RS VT 250°-280°	65	120	27 ± 5	25,4	39,7	M10x1,25	1900	424	28,4	39,8
UC 214 BHTS 2RS VT 250°-280°	70	125	28 ± 5	30,2	44,4	M12x1,50	2100	400	31,9	44,7
UC 215 BHTS 2RS VT 250°-280°	75	130	29 ± 5	33,3	44,5	M12x1,50	2200	384	35,1	49,2

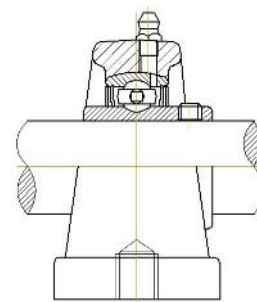
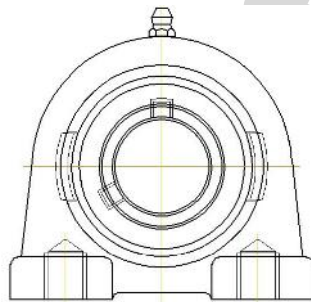
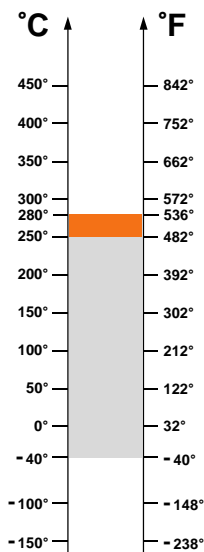
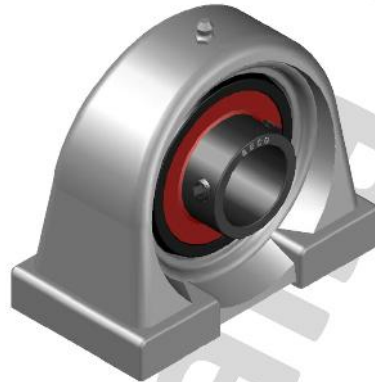
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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 2RS VT 250°-280° (UCPA Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 250°C

ECONOMIC OPERATING RANGE: 180° / 250°C

SHORT-TIME OPERATING RANGE: 250° / 280°C

Unit code	Bearing code	Housing code
UCPA 201 BHTS 2RS VT 250°-280°	UC 201 BHTS 2RS VT 250°-280°	PA 204 SS
UCPA 202 BHTS 2RS VT 250°-280°	UC 202 BHTS 2RS VT 250°-280°	PA 204 SS
UCPA 203 BHTS 2RS VT 250°-280°	UC 203 BHTS 2RS VT 250°-280°	PA 204 SS
UCPA 204 BHTS 2RS VT 250°-280°	UC 204 BHTS 2RS VT 250°-280°	PA 204 SS
UCPA 205 BHTS 2RS VT 250°-280°	UC 205 BHTS 2RS VT 250°-280°	PA 205 SS
UCPA 206 BHTS 2RS VT 250°-280°	UC 206 BHTS 2RS VT 250°-280°	PA 206 SS
UCPA 207 BHTS 2RS VT 250°-280°	UC 207 BHTS 2RS VT 250°-280°	PA 207 SS
UCPA 208 BHTS 2RS VT 250°-280°	UC 208 BHTS 2RS VT 250°-280°	PA 208 SS
UCPA 209 BHTS 2RS VT 250°-280°	UC 209 BHTS 2RS VT 250°-280°	PA 209 SS
UCPA 210 BHTS 2RS VT 250°-280°	UC 210 BHTS 2RS VT 250°-280°	PA 210 SS

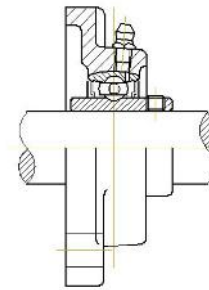
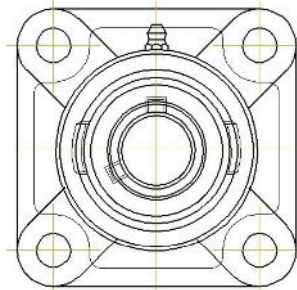
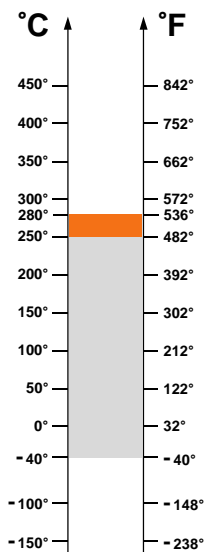
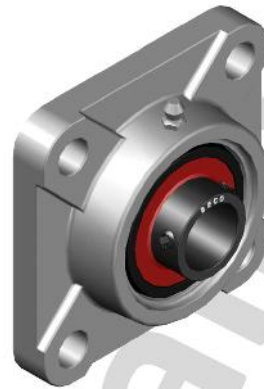
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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 2RS VT 250°-280° (UCF Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 250°C

ECONOMIC OPERATING RANGE: 180° / 250°C

SHORT-TIME OPERATING RANGE: 250° / 280°C

Unit code	Bearing code	Housing code
UCF 201 BHTS 2RS VT 250°-280°	UC 201 BHTS 2RS VT 250°-280°	F 204 SS
UCF 202 BHTS 2RS VT 250°-280°	UC 202 BHTS 2RS VT 250°-280°	F 204 SS
UCF 203 BHTS 2RS VT 250°-280°	UC 203 BHTS 2RS VT 250°-280°	F 204 SS
UCF 204 BHTS 2RS VT 250°-280°	UC 204 BHTS 2RS VT 250°-280°	F 204 SS
UCF 205 BHTS 2RS VT 250°-280°	UC 205 BHTS 2RS VT 250°-280°	F 205 SS
UCF 206 BHTS 2RS VT 250°-280°	UC 206 BHTS 2RS VT 250°-280°	F 206 SS
UCF 207 BHTS 2RS VT 250°-280°	UC 207 BHTS 2RS VT 250°-280°	F 207 SS
UCF 208 BHTS 2RS VT 250°-280°	UC 208 BHTS 2RS VT 250°-280°	F 208 SS
UCF 209 BHTS 2RS VT 250°-280°	UC 209 BHTS 2RS VT 250°-280°	F 209 SS
UCF 210 BHTS 2RS VT 250°-280°	UC 210 BHTS 2RS VT 250°-280°	F 210 SS
UCF 211 BHTS 2RS VT 250°-280°	UC 211 BHTS 2RS VT 250°-280°	F 211 SS
UCF 212 BHTS 2RS VT 250°-280°	UC 212 BHTS 2RS VT 250°-280°	F 212 SS
UCF 213 BHTS 2RS VT 250°-280°	UC 213 BHTS 2RS VT 250°-280°	F 213 SS
UCF 214 BHTS 2RS VT 250°-280°	UC 214 BHTS 2RS VT 250°-280°	F 214 SS
UCF 215 BHTS 2RS VT 250°-280°	UC 215 BHTS 2RS VT 250°-280°	F 215 SS

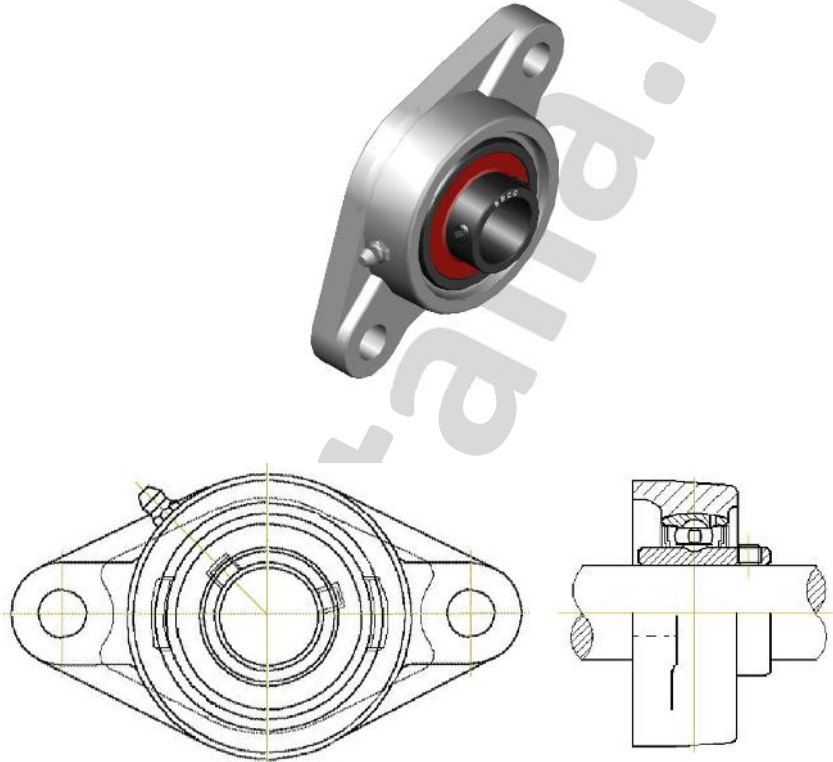
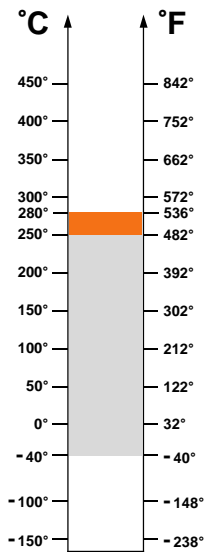
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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 2RS VT 250°-280° (UCFL Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 250°C

ECONOMIC OPERATING RANGE: 180° / 250°C

SHORT-TIME OPERATING RANGE: 250° / 280°C

Unit code	Bearing code	Housing code
UCFL 201 BHTS 2RS VT 250°-280°	UC 201 BHTS 2RS VT 250°-280°	FL 204 SS
UCFL 202 BHTS 2RS VT 250°-280°	UC 202 BHTS 2RS VT 250°-280°	FL 204 SS
UCFL 203 BHTS 2RS VT 250°-280°	UC 203 BHTS 2RS VT 250°-280°	FL 204 SS
UCFL 204 BHTS 2RS VT 250°-280°	UC 204 BHTS 2RS VT 250°-280°	FL 204 SS
UCFL 205 BHTS 2RS VT 250°-280°	UC 205 BHTS 2RS VT 250°-280°	FL 205 SS
UCFL 206 BHTS 2RS VT 250°-280°	UC 206 BHTS 2RS VT 250°-280°	FL 206 SS
UCFL 207 BHTS 2RS VT 250°-280°	UC 207 BHTS 2RS VT 250°-280°	FL 207 SS
UCFL 208 BHTS 2RS VT 250°-280°	UC 208 BHTS 2RS VT 250°-280°	FL 208 SS
UCFL 209 BHTS 2RS VT 250°-280°	UC 209 BHTS 2RS VT 250°-280°	FL 209 SS
UCFL 210 BHTS 2RS VT 250°-280°	UC 210 BHTS 2RS VT 250°-280°	FL 210 SS
UCFL 211 BHTS 2RS VT 250°-280°	UC 211 BHTS 2RS VT 250°-280°	FL 211 SS
UCFL 212 BHTS 2RS VT 250°-280°	UC 212 BHTS 2RS VT 250°-280°	FL 212 SS

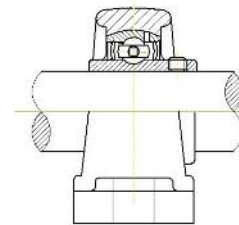
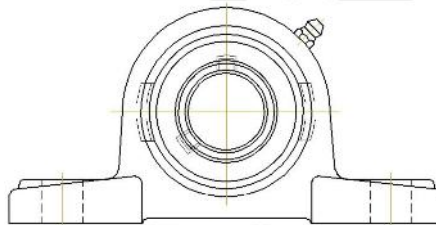
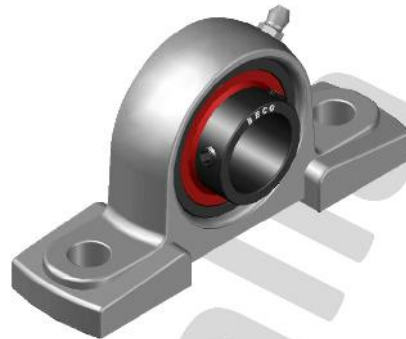
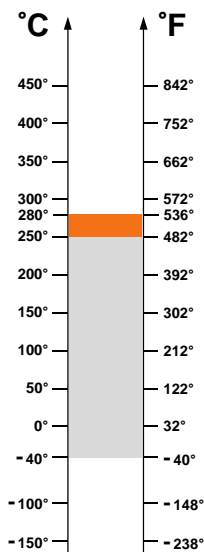
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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 2RS VT 250°-280° (UCP Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 250°C

ECONOMIC OPERATING RANGE: 180° / 250°C

SHORT-TIME OPERATING RANGE: 250° / 280°C

Unit code	Bearing code	Housing code
UCP 201 BHTS 2RS VT 250°-280°	UC 201 BHTS 2RS VT 250°-280°	P 204 SS
UCP 202 BHTS 2RS VT 250°-280°	UC 202 BHTS 2RS VT 250°-280°	P 204 SS
UCP 203 BHTS 2RS VT 250°-280°	UC 203 BHTS 2RS VT 250°-280°	P 204 SS
UCP 204 BHTS 2RS VT 250°-280°	UC 204 BHTS 2RS VT 250°-280°	P 204 SS
UCP 205 BHTS 2RS VT 250°-280°	UC 205 BHTS 2RS VT 250°-280°	P 205 SS
UCP 206 BHTS 2RS VT 250°-280°	UC 206 BHTS 2RS VT 250°-280°	P 206 SS
UCP 207 BHTS 2RS VT 250°-280°	UC 207 BHTS 2RS VT 250°-280°	P 207 SS
UCP 208 BHTS 2RS VT 250°-280°	UC 208 BHTS 2RS VT 250°-280°	P 208 SS
UCP 209 BHTS 2RS VT 250°-280°	UC 209 BHTS 2RS VT 250°-280°	P 209 SS
UCP 210 BHTS 2RS VT 250°-280°	UC 210 BHTS 2RS VT 250°-280°	P 210 SS
UCP 211 BHTS 2RS VT 250°-280°	UC 211 BHTS 2RS VT 250°-280°	P 211 SS
UCP 212 BHTS 2RS VT 250°-280°	UC 212 BHTS 2RS VT 250°-280°	P 212 SS
UCP 213 BHTS 2RS VT 250°-280°	UC 213 BHTS 2RS VT 250°-280°	P 213 SS
UCP 214 BHTS 2RS VT 250°-280°	UC 214 BHTS 2RS VT 250°-280°	P 214 SS
UCP 215 BHTS 2RS VT 250°-280°	UC 215 BHTS 2RS VT 250°-280°	P 215 SS

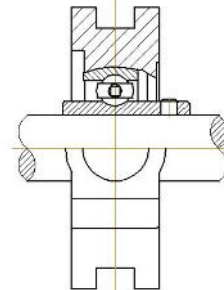
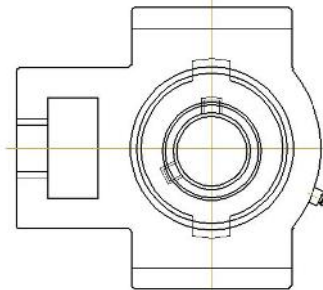
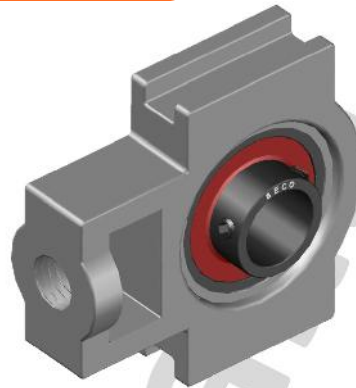
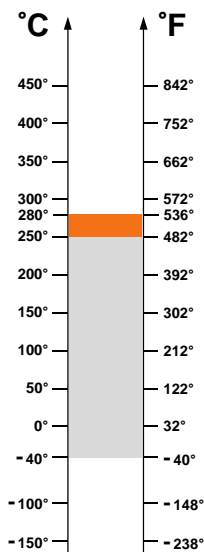
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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 2RS VT 250°-280° (UCT Serie)

Pillow Block for High Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 250°C

ECONOMIC OPERATING RANGE: 180° / 250°C

SHORT-TIME OPERATING RANGE: 250° / 280°C

Unit code	Bearing code	Housing code
UCT 201 BHTS 2RS VT 250°-280°	UC 201 BHTS 2RS VT 250°-280°	T 204 SS
UCT 202 BHTS 2RS VT 250°-280°	UC 202 BHTS 2RS VT 250°-280°	T 204 SS
UCT 203 BHTS 2RS VT 250°-280°	UC 203 BHTS 2RS VT 250°-280°	T 204 SS
UCT 204 BHTS 2RS VT 250°-280°	UC 204 BHTS 2RS VT 250°-280°	T 204 SS
UCT 205 BHTS 2RS VT 250°-280°	UC 205 BHTS 2RS VT 250°-280°	T 205 SS
UCT 206 BHTS 2RS VT 250°-280°	UC 206 BHTS 2RS VT 250°-280°	T 206 SS
UCT 207 BHTS 2RS VT 250°-280°	UC 207 BHTS 2RS VT 250°-280°	T 207 SS
UCT 208 BHTS 2RS VT 250°-280°	UC 208 BHTS 2RS VT 250°-280°	T 208 SS
UCT 209 BHTS 2RS VT 250°-280°	UC 209 BHTS 2RS VT 250°-280°	T 209 SS
UCT 210 BHTS 2RS VT 250°-280°	UC 210 BHTS 2RS VT 250°-280°	T 210 SS
UCT 211 BHTS 2RS VT 250°-280°	UC 211 BHTS 2RS VT 250°-280°	T 211 SS
UCT 212 BHTS 2RS VT 250°-280°	UC 212 BHTS 2RS VT 250°-280°	T 212 SS

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 280°

Ball Bearings for Extreme Temperature

The BHTS ZZ 280° ball bearings are designed on the dimensions of a standard bearing but with treatments of stabilization, surface treatment, radial clearance, grease and special shield that make them suitable for operation from -40° to $+280^{\circ}\text{C}$. Their recommended range of application is between 200° and 280°C where these bearings achieve their best performance.

Below 220°C there are the BHTS ZZ C4 220° - 250° bearings available, which are cheaper and also allow a much higher rotational speed. The BHTS ZZ 280° bearings are currently available in approximately 400 different models, all of which are in stock and able to cover most of the applications for bearings of high & extreme temperatures.

Technical characteristics:

Bearing material: steel AISI 52100 (Chrome) stabilized to the application
Treatment of manganese phosphate coating on all steel parts of the bearing
Radial Clearance 4xC5
Shields type ZZ
Lubricated with PTFE based on silicone free grease for temperatures up to 280°C
(with a drop point above 400°C)

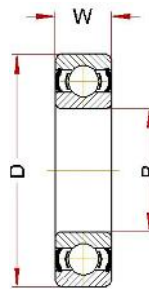
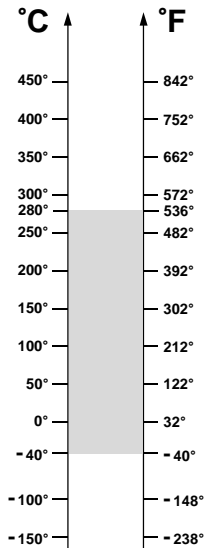
Fields of application:

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



BHTS ZZ 280° (MICRO Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

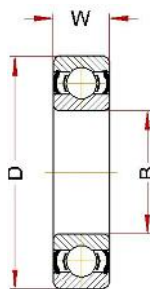
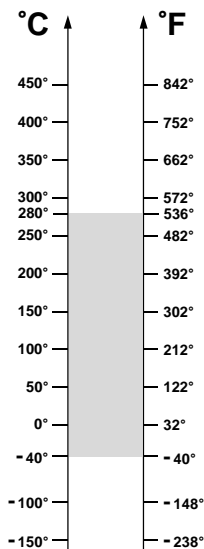
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
613/3 BHTS ZZ 280°	3	8	3	2	2300	0,11	0,16
623 BHTS ZZ 280°	3	10	4	3	2300	0,13	0,18
604 BHTS ZZ 280°	4	12	4	3	2300	0,24	0,34
624 BHTS ZZ 280°	4	13	5	3	2300	0,24	0,34
605 BHTS ZZ 280°	5	14	5	4	2300	0,30	0,42
625 BHTS ZZ 280°	5	16	5	5	2300	0,30	0,42
606 BHTS ZZ 280°	6	17	6	7	2300	0,60	0,85
626 BHTS ZZ 280°	6	19	6	8	2300	0,60	0,85
607 BHTS ZZ 280°	7	19	6	8	2300	0,60	0,85
627 BHTS ZZ 280°	7	22	7	13	2200	0,79	1,10
608 BHTS ZZ 280°	8	22	7	13	2100	0,79	1,10
628 BHTS ZZ 280°	8	24	8	14	2000	0,79	1,10
609 BHTS ZZ 280°	9	24	7	15	1900	0,93	1,30
629 BHTS ZZ 280°	9	26	8	20	1800	1,12	1,57

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 ZZ 280° (61800 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

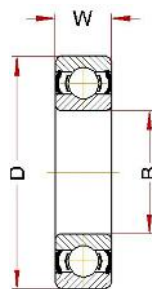
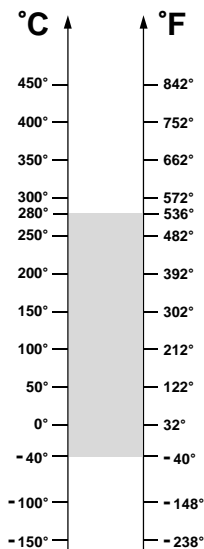
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
61800 BHTS ZZ 280°	10	19	5	5,5	2240	0,38	0,53
61801 BHTS ZZ 280°	12	21	5	6,3	2080	0,68	0,95
61802 BHTS ZZ 280°	15	24	5	7,4	1920	0,89	1,25
61803 BHTS ZZ 280°	17	26	5	8,2	1760	1,04	1,45
61804 BHTS ZZ 280°	20	32	7	18	1600	1,60	2,24
61805 BHTS ZZ 280°	25	37	7	24	1360	2,00	2,80
61806 BHTS ZZ 280°	30	42	7	27	1040	2,39	3,35
61807 BHTS ZZ 280°	35	47	7	32	880	2,57	3,60
61808 BHTS ZZ 280°	40	52	7	35	800	3,04	4,25
61809 BHTS ZZ 280°	45	58	7	42	720	4,00	5,60
61810 BHTS ZZ 280°	50	65	7	52	680	4,50	6,30
61811 BHTS ZZ 280°	55	72	9	81	600	6,07	8,50
61812 BHTS ZZ 280°	60	78	10	105	560	7,86	11,0
61813 BHTS ZZ 280°	65	85	10	124	504	8,57	12,0
61814 BHTS ZZ 280°	70	90	10	133	480	8,93	12,5
61815 BHTS ZZ 280°	75	95	10	143	448	9,57	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 ZZ 280° (61900 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

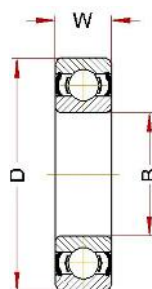
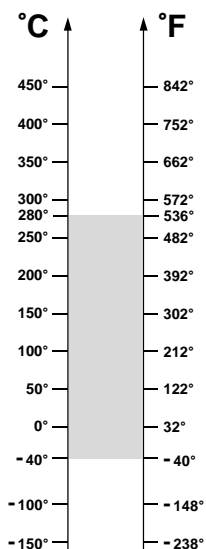
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
61900 BHTS ZZ 280°	10	22	6	10	2240	0,54	0,75
61901 BHTS ZZ 280°	12	24	6	11	2080	0,69	0,97
61902 BHTS ZZ 280°	15	28	7	16	1920	1,45	2,03
61903 BHTS ZZ 280°	17	30	7	18	1760	1,64	2,30
61904 BHTS ZZ 280°	20	37	9	22	1600	2,57	3,60
61905 BHTS ZZ 280°	25	42	9	38	1360	2,86	4,00
61906 BHTS ZZ 280°	30	47	9	51	1040	3,23	4,52
61907 BHTS ZZ 280°	35	55	10	80	880	4,43	6,20
61908 BHTS ZZ 280°	40	62	12	120	800	6,64	9,30
61909 BHTS ZZ 280°	45	68	12	140	720	7,00	9,80
61910 BHTS ZZ 280°	50	72	12	160	680	7,43	10,4
61911 BHTS ZZ 280°	55	80	13	190	600	8,14	11,4
61912 BHTS ZZ 280°	60	85	13	200	560	8,57	12,0
61913 BHTS ZZ 280°	65	90	13	220	504	9,57	13,4
61914 BHTS ZZ 280°	70	100	16	350	480	13,0	18,3
61915 BHTS ZZ 280°	75	105	16	370	448	13,7	19,3

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 ZZ 280° (6000 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

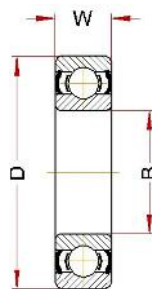
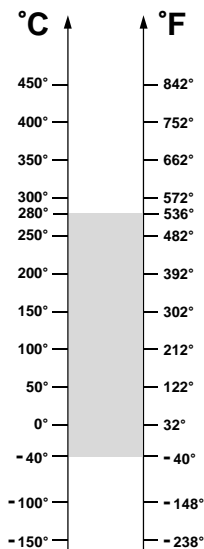
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
6000 BHTS ZZ 280°	10	26	8	20	2240	1,40	1,96
6001 BHTS ZZ 280°	12	28	8	25	2080	1,69	2,36
6002 BHTS ZZ 280°	15	32	9	30	1920	2,04	2,85
6003 BHTS ZZ 280°	17	35	10	40	1760	2,32	3,25
6004 BHTS ZZ 280°	20	42	12	69	1600	3,57	5,00
6005 BHTS ZZ 280°	25	47	12	80	1360	4,18	5,85
6006 BHTS ZZ 280°	30	55	13	120	1040	5,71	8,00
6007 BHTS ZZ 280°	35	62	14	160	880	7,43	10,4
6008 BHTS ZZ 280°	40	68	15	190	800	8,43	11,8
6009 BHTS ZZ 280°	45	75	16	250	720	10,21	14,3
6010 BHTS ZZ 280°	50	80	16	260	680	11,14	15,6
6011 BHTS ZZ 280°	55	90	18	390	600	15,14	21,2
6012 BHTS ZZ 280°	60	95	18	420	560	16,57	23,2
6013 BHTS ZZ 280°	65	100	18	440	504	17,86	25,0
6014 BHTS ZZ 280°	70	110	20	600	480	22,50	31,5
6015 BHTS ZZ 280°	75	115	20	640	448	24,29	34,0
6016 BHTS ZZ 280°	80	125	22	850	400	28,57	40,0
6017 BHTS ZZ 280°	85	130	22	890	380	30,64	42,9
6018 BHTS ZZ 280°	90	140	24	1150	360	35,64	49,9
6019 BHTS ZZ 280°	95	145	24	1200	340	38,54	53,9
6020 BHTS ZZ 280°	100	150	24	1250	300	38,54	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 ZZ 280° (6200 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

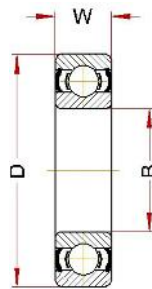
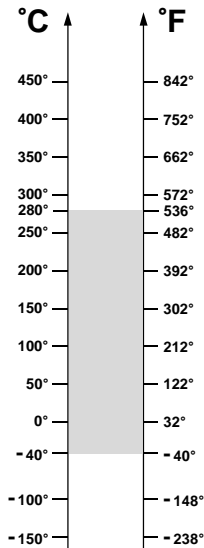
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
6200 BHTS ZZ 280°	10	30	9	30	2080	1,86	2,60
6201 BHTS ZZ 280°	12	32	10	37	1920	2,21	3,10
6202 BHTS ZZ 280°	15	35	11	45	1600	2,68	3,75
6203 BHTS ZZ 280°	17	40	12	65	1440	3,39	4,75
6204 BHTS ZZ 280°	20	47	14	110	1200	4,68	6,55
6205 BHTS ZZ 280°	25	52	15	130	1120	5,71	8,00
6206 BHTS ZZ 280°	30	62	16	200	880	8,00	11,2
6207 BHTS ZZ 280°	35	72	17	290	760	10,92	15,3
6208 BHTS ZZ 280°	40	80	18	370	680	12,86	18,0
6209 BHTS ZZ 280°	45	85	19	410	640	14,57	20,4
6210 BHTS ZZ 280°	50	90	20	460	600	17,14	24,0
6211 BHTS ZZ 280°	55	100	21	610	536	20,71	29,0
6212 BHTS ZZ 280°	60	110	22	780	480	25,71	36,0
6213 BHTS ZZ 280°	65	120	23	990	424	29,64	41,5
6214 BHTS ZZ 280°	70	125	24	1040	400	31,43	44,0
6215 BHTS ZZ 280°	75	130	25	1210	384	35,00	49,0
6216 BHTS ZZ 280°	80	140	26	1400	350	39,29	55,0
6217 BHTS ZZ 280°	85	150	28	1800	330	45,71	64,0
6218 BHTS ZZ 280°	90	160	30	2150	310	52,50	73,5
6219 BHTS ZZ 280°	95	170	32	2600	300	58,21	81,5
6220 BHTS ZZ 280°	100	180	34	3150	290	66,43	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 ZZ 280° (6300 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

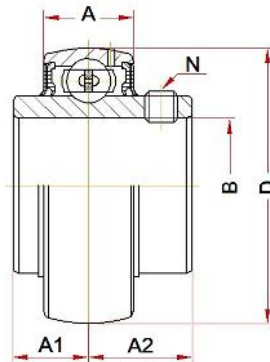
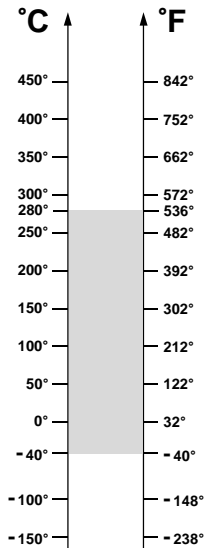
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
6300 BHTS ZZ 280°	10	35	11	52	1760	2,46	3,45
6301 BHTS ZZ 280°	12	37	12	60	1600	2,96	4,15
6302 BHTS ZZ 280°	15	42	13	80	1440	3,86	5,40
6303 BHTS ZZ 280°	17	47	14	120	1280	4,68	6,55
6304 BHTS ZZ 280°	20	52	15	140	1120	6,07	8,50
6305 BHTS ZZ 280°	25	62	17	225	880	8,14	11,4
6306 BHTS ZZ 280°	30	72	19	350	760	11,64	16,3
6307 BHTS ZZ 280°	35	80	21	450	680	13,57	19,0
6308 BHTS ZZ 280°	40	90	23	620	600	17,86	25,0
6309 BHTS ZZ 280°	45	100	25	830	536	22,86	32,0
6310 BHTS ZZ 280°	50	110	27	1050	480	27,14	38,0
6311 BHTS ZZ 280°	55	120	29	1350	424	33,93	47,5
6312 BHTS ZZ 280°	60	130	31	1700	400	37,14	52,0
6313 BHTS ZZ 280°	65	140	33	2100	360	42,86	60,0
6314 BHTS ZZ 280°	70	150	35	2500	344	48,57	68,0
6315 BHTS ZZ 280°	75	160	37	3000	320	54,64	76,5
6316 BHTS ZZ 280°	80	170	39	3600	300	61,79	86,5
6317 BHTS ZZ 280°	85	180	41	4250	290	68,92	96,5
6318 BHTS ZZ 280°	90	190	43	4900	270	77,14	108
6319 BHTS ZZ 280°	95	200	45	5650	250	84,29	118
6320 BHTS ZZ 280°	100	215	47	7000	230	100,0	140

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 ZZ 280° (UC Serie)

Insert Bearings for Extreme Temperature



OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

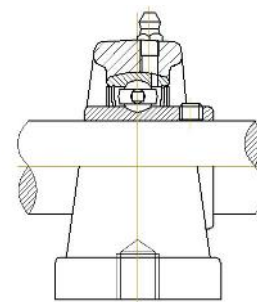
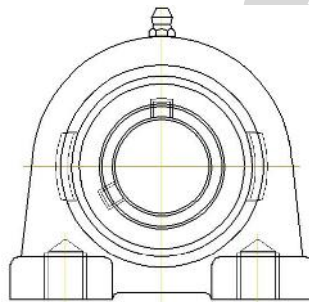
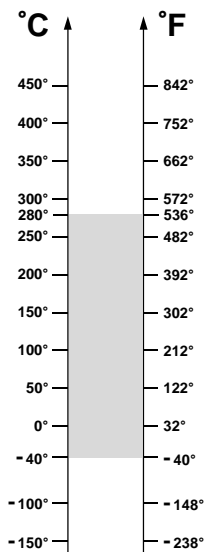
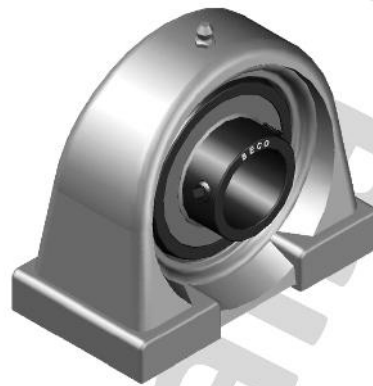
Designation	Bore (B)	Diam (D)	A	A1	A2	N	Weight, g	Limiting Speed, RPM	Static Load, kN at 280°C	Static Load, kN at 20°C
UC 201 BHTS ZZ 280°	12	47	13 ± 2	11,5	15,9	M6x0,75	200	1440	4,72	6,6
UC 202 BHTS ZZ 280°	15	47	13 ± 2	11,5	15,9	M6x0,75	200	1440	4,72	6,6
UC 203 BHTS ZZ 280°	17	47	13 ± 2	11,5	15,9	M6x0,75	200	1440	4,72	6,6
UC 204 BHTS ZZ 280°	20	47	15 ± 2	12,7	18,3	M6x0,75	250	1200	4,72	6,6
UC 205 BHTS ZZ 280°	25	52	16 ± 1	14,3	19,8	M6x0,75	300	1120	5,58	7,8
UC 206 BHTS ZZ 280°	30	62	17 ± 2	15,9	22,2	M6x0,75	350	880	8,00	11,2
UC 207 BHTS ZZ 280°	35	72	18 ± 2	17,5	25,4	M8x1,00	500	760	10,7	15,1
UC 208 BHTS ZZ 280°	40	80	19 ± 2	19,0	30,2	M8x1,00	700	680	13,0	18,2
UC 209 BHTS ZZ 280°	45	85	20 ± 2	19,0	30,2	M8x1,00	800	640	14,7	20,6
UC 210 BHTS ZZ 280°	50	90	22 ± 2	19,0	32,6	M10x1,25	900	600	16,5	23,1
UC 211 BHTS ZZ 280°	55	100	23 ± 2	22,2	33,4	M10x1,25	1300	536	20,7	29,0
UC 212 BHTS ZZ 280°	60	110	24 ± 3	25,4	39,7	M10x1,25	1700	480	25,3	32,6
UC 213 BHTS ZZ 280°	65	120	27 ± 5	25,4	39,7	M10x1,25	1900	424	28,4	39,8
UC 214 BHTS ZZ 280°	70	125	28 ± 5	30,2	44,4	M12x1,50	2100	400	31,9	44,7
UC 215 BHTS ZZ 280°	75	130	29 ± 5	33,3	44,5	M12x1,50	2200	384	35,1	49,2

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 ZZ 280° (UCPA Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

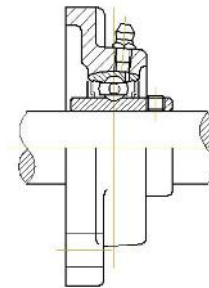
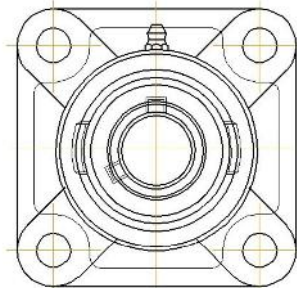
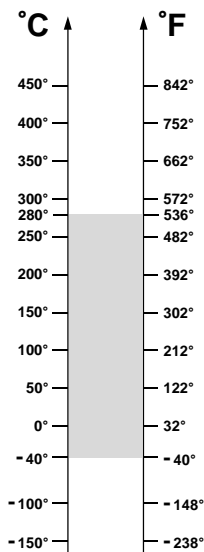
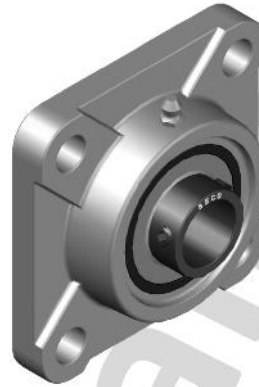
Unit code	Bearing code	Housing code
UCPA 201 BHTS ZZ 280°	UC 201 BHTS ZZ 280°	PA 204 SS
UCPA 202 BHTS ZZ 280°	UC 202 BHTS ZZ 280°	PA 204 SS
UCPA 203 BHTS ZZ 280°	UC 203 BHTS ZZ 280°	PA 204 SS
UCPA 204 BHTS ZZ 280°	UC 204 BHTS ZZ 280°	PA 204 SS
UCPA 205 BHTS ZZ 280°	UC 205 BHTS ZZ 280°	PA 205 SS
UCPA 206 BHTS ZZ 280°	UC 206 BHTS ZZ 280°	PA 206 SS
UCPA 207 BHTS ZZ 280°	UC 207 BHTS ZZ 280°	PA 207 SS
UCPA 208 BHTS ZZ 280°	UC 208 BHTS ZZ 280°	PA 208 SS
UCPA 209 BHTS ZZ 280°	UC 209 BHTS ZZ 280°	PA 209 SS
UCPA 210 BHTS ZZ 280°	UC 210 BHTS ZZ 280°	PA 210 SS

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 ZZ 280° (UCF Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

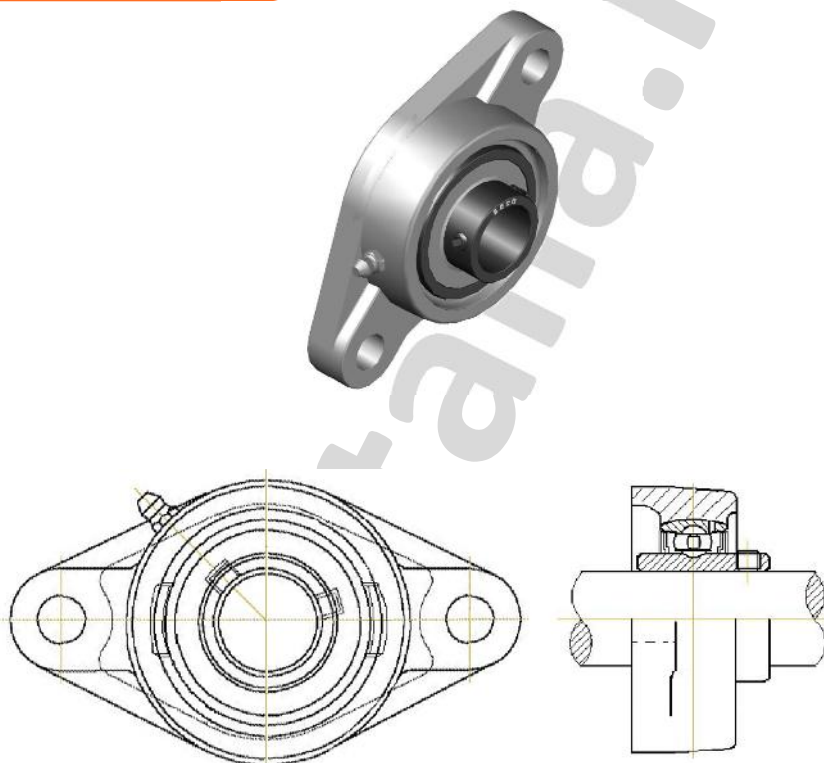
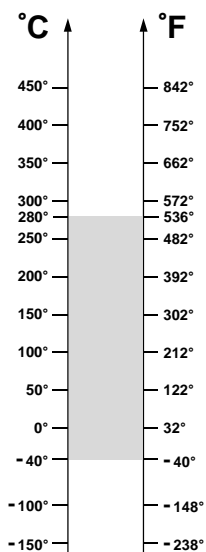
Unit code	Bearing code	Housing code
UCF 201 BHTS ZZ 280°	UC 201 BHTS ZZ 280°	F 204 SS
UCF 202 BHTS ZZ 280°	UC 202 BHTS ZZ 280°	F 204 SS
UCF 203 BHTS ZZ 280°	UC 203 BHTS ZZ 280°	F 204 SS
UCF 204 BHTS ZZ 280°	UC 204 BHTS ZZ 280°	F 204 SS
UCF 205 BHTS ZZ 280°	UC 205 BHTS ZZ 280°	F 205 SS
UCF 206 BHTS ZZ 280°	UC 206 BHTS ZZ 280°	F 206 SS
UCF 207 BHTS ZZ 280°	UC 207 BHTS ZZ 280°	F 207 SS
UCF 208 BHTS ZZ 280°	UC 208 BHTS ZZ 280°	F 208 SS
UCF 209 BHTS ZZ 280°	UC 209 BHTS ZZ 280°	F 209 SS
UCF 210 BHTS ZZ 280°	UC 210 BHTS ZZ 280°	F 210 SS
UCF 211 BHTS ZZ 280°	UC 211 BHTS ZZ 280°	F 211 SS
UCF 212 BHTS ZZ 280°	UC 212 BHTS ZZ 280°	F 212 SS
UCF 213 BHTS ZZ 280°	UC 213 BHTS ZZ 280°	F 213 SS
UCF 214 BHTS ZZ 280°	UC 214 BHTS ZZ 280°	F 214 SS
UCF 215 BHTS ZZ 280°	UC 215 BHTS ZZ 280°	F 215 SS

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 ZZ 280° (UCFL Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

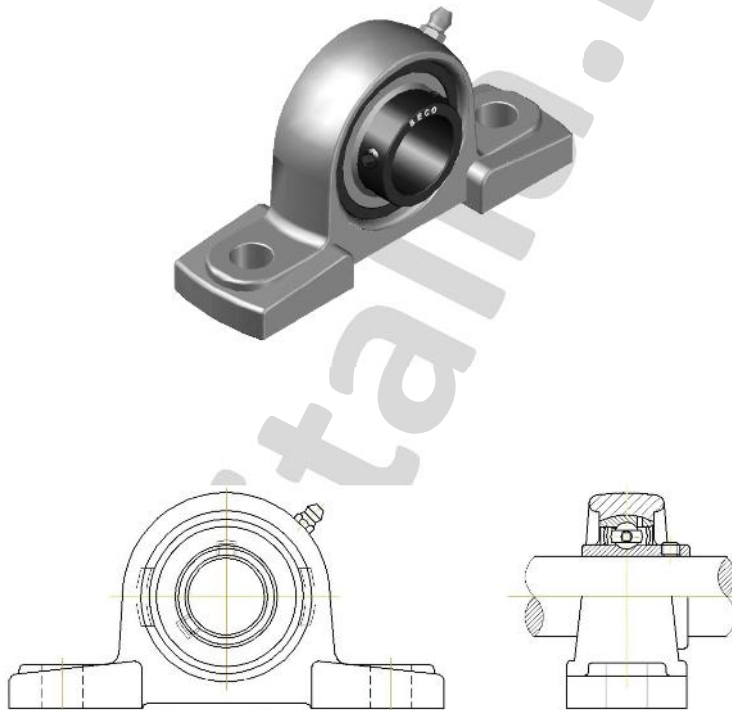
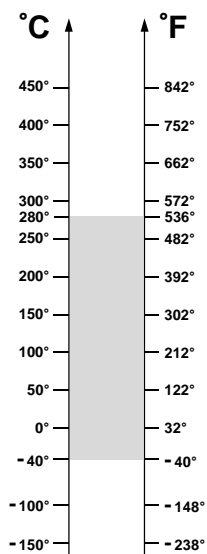
Unit code	Bearing code	Housing code
UCFL 201 BHTS ZZ 280°	UC 201 BHTS ZZ 280°	FL 204 SS
UCFL 202 BHTS ZZ 280°	UC 202 BHTS ZZ 280°	FL 204 SS
UCFL 203 BHTS ZZ 280°	UC 203 BHTS ZZ 280°	FL 204 SS
UCFL 204 BHTS ZZ 280°	UC 204 BHTS ZZ 280°	FL 204 SS
UCFL 205 BHTS ZZ 280°	UC 205 BHTS ZZ 280°	FL 205 SS
UCFL 206 BHTS ZZ 280°	UC 206 BHTS ZZ 280°	FL 206 SS
UCFL 207 BHTS ZZ 280°	UC 207 BHTS ZZ 280°	FL 207 SS
UCFL 208 BHTS ZZ 280°	UC 208 BHTS ZZ 280°	FL 208 SS
UCFL 209 BHTS ZZ 280°	UC 209 BHTS ZZ 280°	FL 209 SS
UCFL 210 BHTS ZZ 280°	UC 210 BHTS ZZ 280°	FL 210 SS
UCFL 211 BHTS ZZ 280°	UC 211 BHTS ZZ 280°	FL 211 SS
UCFL 212 BHTS ZZ 280°	UC 212 BHTS ZZ 280°	FL 212 SS

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 ZZ 280° (UCP Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

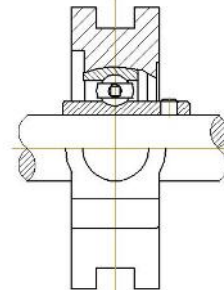
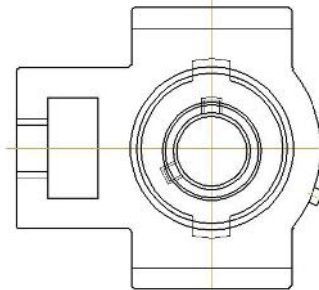
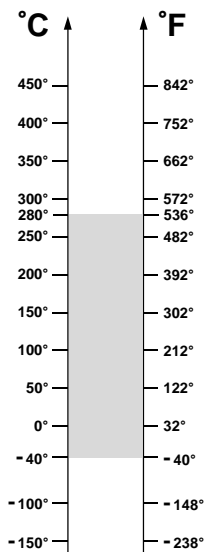
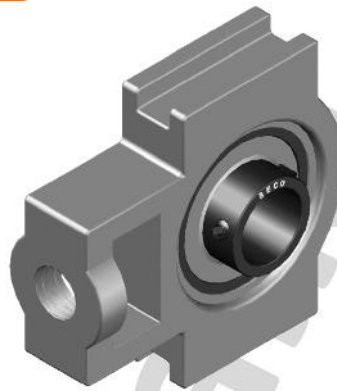
Unit code	Bearing code	Housing code
UCP 201 BHTS ZZ 280°	UC 201 BHTS ZZ 280°	P 204 SS
UCP 202 BHTS ZZ 280°	UC 202 BHTS ZZ 280°	P 204 SS
UCP 203 BHTS ZZ 280°	UC 203 BHTS ZZ 280°	P 204 SS
UCP 204 BHTS ZZ 280°	UC 204 BHTS ZZ 280°	P 204 SS
UCP 205 BHTS ZZ 280°	UC 205 BHTS ZZ 280°	P 205 SS
UCP 206 BHTS ZZ 280°	UC 206 BHTS ZZ 280°	P 206 SS
UCP 207 BHTS ZZ 280°	UC 207 BHTS ZZ 280°	P 207 SS
UCP 208 BHTS ZZ 280°	UC 208 BHTS ZZ 280°	P 208 SS
UCP 209 BHTS ZZ 280°	UC 209 BHTS ZZ 280°	P 209 SS
UCP 210 BHTS ZZ 280°	UC 210 BHTS ZZ 280°	P 210 SS
UCP 211 BHTS ZZ 280°	UC 211 BHTS ZZ 280°	P 211 SS
UCP 212 BHTS ZZ 280°	UC 212 BHTS ZZ 280°	P 212 SS
UCP 213 BHTS ZZ 280°	UC 213 BHTS ZZ 280°	P 213 SS
UCP 214 BHTS ZZ 280°	UC 214 BHTS ZZ 280°	P 214 SS
UCP 215 BHTS ZZ 280°	UC 215 BHTS ZZ 280°	P 215 SS

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 ZZ 280° (UCT Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -40° / 280°C

ECONOMIC OPERATING RANGE: 200° / 280°C

Unit code	Bearing code	Housing code
UCT 201 BHTS ZZ 280°	UC 201 BHTS ZZ 280°	T 204 SS
UCT 202 BHTS ZZ 280°	UC 202 BHTS ZZ 280°	T 204 SS
UCT 203 BHTS ZZ 280°	UC 203 BHTS ZZ 280°	T 204 SS
UCT 204 BHTS ZZ 280°	UC 204 BHTS ZZ 280°	T 204 SS
UCT 205 BHTS ZZ 280°	UC 205 BHTS ZZ 280°	T 205 SS
UCT 206 BHTS ZZ 280°	UC 206 BHTS ZZ 280°	T 206 SS
UCT 207 BHTS ZZ 280°	UC 207 BHTS ZZ 280°	T 207 SS
UCT 208 BHTS ZZ 280°	UC 208 BHTS ZZ 280°	T 208 SS
UCT 209 BHTS ZZ 280°	UC 209 BHTS ZZ 280°	T 209 SS
UCT 210 BHTS ZZ 280°	UC 210 BHTS ZZ 280°	T 210 SS
UCT 211 BHTS ZZ 280°	UC 211 BHTS ZZ 280°	T 211 SS
UCT 212 BHTS ZZ 280°	UC 212 BHTS ZZ 280°	T 212 SS

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.



BHT 320°-350°

Ball Bearings for Extreme Temperature

After 50 years of production these bearings will retire soon. We have produced them in millions of units, because till the year 2000 was the only technical solution available to work in the temperature from 300° to 350°C. After '95 we started to produce the first greased bearing, but with a limited temperature range, up to 280°C and this solution supplies a good alternative for a big share of applications.

In the year 2000 has started the production of the bearing with graphite cage which till now is one of the best solution for temperature till 350°C, but this bearing still has some limits for shock load and resistance in difficult environment.

In 2015 we introduced the first bearing that can work till 350°C with grease-compound. This solution ensures long life time, higher speed, smoother rotation, protection against dirty environment. With this new solution no longer is necessary to use a bearing with lubrication molybdenum grease.

We will continue to produce the range BHT 320°-350° till 2025 for the exit equipment for this application.

Technical characteristics:

Bearing material: steel AISI 52100 (Chrome) stabilized to the application
Treatment of manganese phosphate coating on all steel parts of the bearing
Radial Clearance 4xC5
Bearing running open
Lubricated with molybdenum disulphide grease

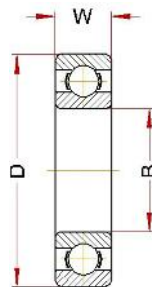
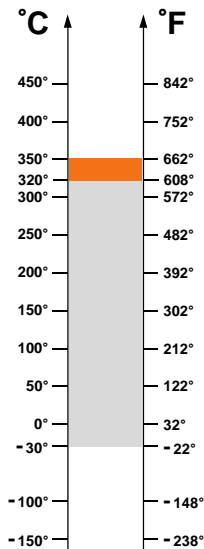
Fields of application:

Steel industry
Furnaces for Ceramic Industry
Trolley Industry, Trolley for Brick Kilns Industry



BHT 320°-350° (6000 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -30° / 320°C

ECONOMIC OPERATING RANGE: 200° / 320°C

SHORT-TIME OPERATING RANGE: 320° / 350°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
6000 BHT 320°-350°	10	26	8	20	282	1,35	1,96
6001 BHT 320°-350°	12	28	8	25	262	1,63	2,36
6002 BHT 320°-350°	15	32	9	30	242	1,97	2,85
6003 BHT 320°-350°	17	35	10	40	222	2,24	3,25
6004 BHT 320°-350°	20	42	12	69	200	3,45	5,00
6005 BHT 320°-350°	25	47	12	80	170	4,04	5,85
6006 BHT 320°-350°	30	55	13	120	130	5,52	8,00
6007 BHT 320°-350°	35	62	14	160	110	7,17	10,4
6008 BHT 320°-350°	40	68	15	190	100	8,14	11,8
6009 BHT 320°-350°	45	75	16	250	90	9,86	14,3
6010 BHT 320°-350°	50	80	16	260	85	10,76	15,6
6011 BHT 320°-350°	55	90	18	390	75	14,62	21,2
6012 BHT 320°-350°	60	95	18	420	70	16,00	23,2
6013 BHT 320°-350°	65	100	18	440	63	17,24	25,0
6014 BHT 320°-350°	70	110	20	600	60	21,72	31,5
6015 BHT 320°-350°	75	115	20	640	50	23,45	34,0
6016 BHT 320°-350°	80	125	22	850	50	27,58	40,0
6017 BHT 320°-350°	85	130	22	890	50	29,59	42,9
6018 BHT 320°-350°	90	140	24	1150	50	34,41	49,9
6019 BHT 320°-350°	95	145	24	1200	50	37,21	53,9
6020 BHT 320°-350°	100	150	24	1250	50	37,21	53,9

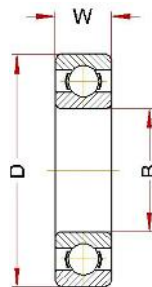
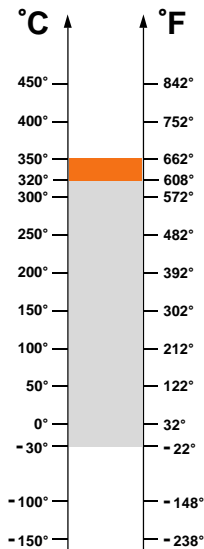
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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.

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

BHT 320°-350° (6200 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -30° / 320°C

ECONOMIC OPERATING RANGE: 200° / 320°C

SHORT-TIME OPERATING RANGE: 320° / 350°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
6200 BHT 320°-350°	10	30	9	30	262	1,79	2,60
6201 BHT 320°-350°	12	32	10	37	242	2,14	3,10
6202 BHT 320°-350°	15	35	11	45	180	2,59	3,75
6203 BHT 320°-350°	17	40	12	65	175	3,28	4,75
6204 BHT 320°-350°	20	47	14	110	150	4,52	6,55
6205 BHT 320°-350°	25	52	15	130	140	5,52	8,00
6206 BHT 320°-350°	30	62	16	200	110	7,72	11,2
6207 BHT 320°-350°	35	72	17	290	100	10,55	15,3
6208 BHT 320°-350°	40	80	18	370	85	12,41	18,0
6209 BHT 320°-350°	45	85	19	410	80	14,06	20,4
6210 BHT 320°-350°	50	90	20	460	75	16,55	24,0
6211 BHT 320°-350°	55	100	21	610	67	20,00	29,0
6212 BHT 320°-350°	60	110	22	780	60	24,83	36,0
6213 BHT 320°-350°	65	120	23	990	53	28,62	41,5
6214 BHT 320°-350°	70	125	24	1040	50	30,35	44,0
6215 BHT 320°-350°	75	130	25	1210	50	33,79	49,0
6216 BHT 320°-350°	80	140	26	1400	50	37,93	55,0
6217 BHT 320°-350°	85	150	28	1800	50	44,14	64,0
6218 BHT 320°-350°	90	160	30	2150	50	50,69	73,5
6219 BHT 320°-350°	95	170	32	2500	50	56,21	81,5
6220 BHT 320°-350°	100	180	34	3150	50	64,14	93,0

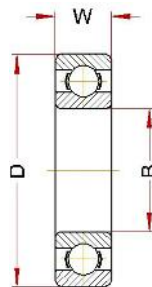
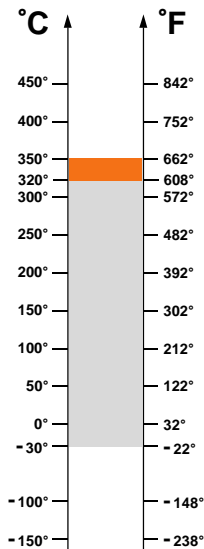
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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.

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

BHT 320°-350° (6300 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -30° / 320°C

ECONOMIC OPERATING RANGE: 200° / 320°C

SHORT-TIME OPERATING RANGE: 320° / 350°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
6300 BHT 320°-350°	10	35	11	52	220	2,38	3,45
6301 BHT 320°-350°	12	37	12	60	200	2,86	4,15
6302 BHT 320°-350°	15	42	13	80	180	3,72	5,40
6303 BHT 320°-350°	17	47	14	120	160	4,52	6,55
6304 BHT 320°-350°	20	52	15	140	140	5,86	8,50
6305 BHT 320°-350°	25	62	17	225	110	7,86	11,4
6306 BHT 320°-350°	30	72	19	350	95	11,24	16,3
6307 BHT 320°-350°	35	80	21	450	85	13,10	19,0
6308 BHT 320°-350°	40	90	23	620	75	17,24	25,0
6309 BHT 320°-350°	45	100	25	830	67	22,06	32,0
6310 BHT 320°-350°	50	110	27	1050	60	26,21	38,0
6311 BHT 320°-350°	55	120	29	1350	53	32,76	47,5
6312 BHT 320°-350°	60	130	31	1700	50	35,86	52,0
6313 BHT 320°-350°	65	140	33	2100	50	41,38	60,0
6314 BHT 320°-350°	70	150	35	2500	50	46,90	68,0
6315 BHT 320°-350°	75	160	37	3000	50	52,76	76,5
6316 BHT 320°-350°	80	170	39	3600	50	59,66	86,5
6317 BHT 320°-350°	85	180	41	4250	50	66,55	96,5
6318 BHT 320°-350°	90	190	43	4900	50	74,48	108
6319 BHT 320°-350°	95	200	45	5650	50	81,38	118
6320 BHT 320°-350°	100	215	47	7000	50	96,55	140

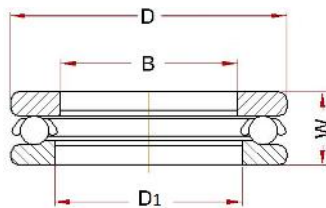
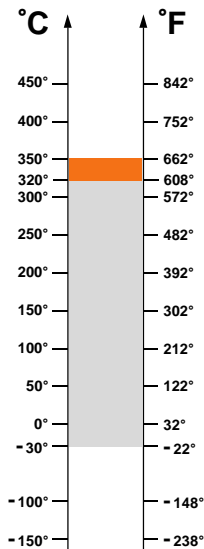
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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.

BHT 320°-350° (51100 Serie)

Thrust Ball Bearings for Extreme Temperature



OPERATING RANGE: -30° / 320°C

ECONOMIC OPERATING RANGE: 200° / 320°C

SHORT-TIME OPERATING RANGE: 320° / 350°C

Designation	Bore (B)	Diam (D)	Diam (D1)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
51100 BHT 320°-350°	10	24	11	9	20	100	10,55	15,3
51101 BHT 320°-350°	12	26	13	9	20	100	11,45	16,6
51102 BHT 320°-350°	15	28	16	9	20	100	11,59	16,8
51103 BHT 320°-350°	17	30	18	9	30	100	11,86	17,2
51104 BHT 320°-350°	20	35	21	9	40	100	15,72	22,8
51105 BHT 320°-350°	25	42	26	10	60	100	21,72	31,5
51106 BHT 320°-350°	30	47	32	11	60	100	24,83	36,0
51107 BHT 320°-350°	35	52	37	11	80	100	27,93	40,5
51108 BHT 320°-350°	40	60	42	13	120	100	37,93	55,0
51109 BHT 320°-350°	45	65	47	14	140	100	42,06	61,0
51110 BHT 320°-350°	50	70	52	14	160	100	46,90	68,0
51111 BHT 320°-350°	55	78	57	16	230	100	58,62	85,0
51112 BHT 320°-350°	60	85	62	17	300	100	70,35	102
51113 BHT 320°-350°	65	90	67	18	330	100	75,17	109
51114 BHT 320°-350°	70	95	72	18	350	100	76,55	111
51115 BHT 320°-350°	75	100	77	19	400	100	100,0	145

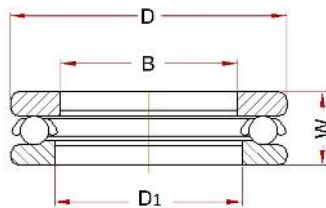
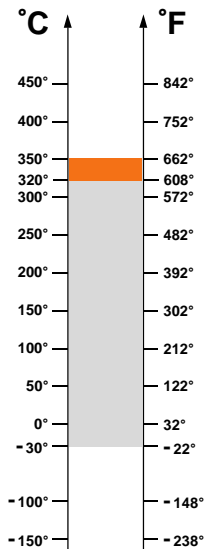
OPERATING RANGE is the correct technical range in which can be used the bearing with good operating result.

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.

BHT 320°-350° (51200 Serie)

Thrust Ball Bearings for Extreme Temperature



OPERATING RANGE: -30° / 320°C

ECONOMIC OPERATING RANGE: 200° / 320°C

SHORT-TIME OPERATING RANGE: 320° / 350°C

Designation	Bore (B)	Diam (D)	Diam (D1)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
51200 BHT 320°-350°	10	26	12	11	30	100	12,83	18,6
51201 BHT 320°-350°	12	28	14	11	30	100	14,34	20,8
51202 BHT 320°-350°	15	32	17	12	50	100	18,62	27,0
51203 BHT 320°-350°	17	35	19	12	50	100	20,69	30,0
51204 BHT 320°-350°	20	40	22	14	80	100	28,28	41,0
51205 BHT 320°-350°	25	47	27	15	110	100	37,93	55,0
51206 BHT 320°-350°	30	52	32	16	130	100	40,69	59,0
51207 BHT 320°-350°	35	62	37	18	220	100	50,69	73,5
51208 BHT 320°-350°	40	68	42	19	280	100	73,10	106
51209 BHT 320°-350°	45	73	47	20	300	100	75,17	109
51210 BHT 320°-350°	50	78	52	22	370	100	80,00	116
51211 BHT 320°-350°	55	90	57	25	590	100	101,38	147
51212 BHT 320°-350°	60	95	62	26	650	100	103,45	150
51213 BHT 320°-350°	65	100	67	27	780	100	113,10	164
51214 BHT 320°-350°	70	105	72	27	790	100	118,62	172
51215 BHT 320°-350°	75	110	77	27	830	100	126,90	184

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 350° BECO PLUS

NEW
2015

Ball Bearings for Extreme Temperature

The BHTS ZZ 350° BECO PLUS ball bearings are designed on the dimensions of a standard bearing but with treatments of stabilization, surface treatment and special radial clearance.

The new grease-compound developed for BECO can reach 370°C without lose any characteristics & allow to work till 350°C with stable characteristic of rotation.

Technical characteristics:

Bearing material: steel AISI 52100 (Chrome) stabilized to the application
Treatment of manganese phosphate coating on all steel parts of the bearing
Radial Clearance 4xC5
Shields type ZZ
Lubricated with BECO grease-compound for temperature up to 370°C

Fields of application:

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

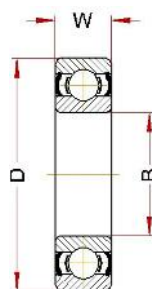
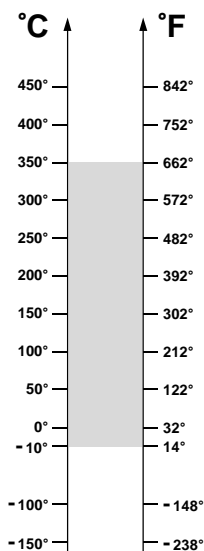
Advantages:

The Most Performant Bearing on the market
Up to 3 times more speed that any other competitors at the maximum temperature



BHTS ZZ 350° BECO PLUS (6000 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -10° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

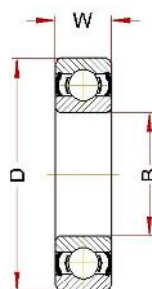
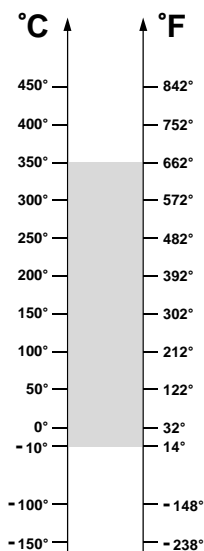
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
6000 BHTS ZZ 350° BECO PLUS	10	26	8	20	564	1,35	1,96
6001 BHTS ZZ 350° BECO PLUS	12	28	8	25	524	1,63	2,36
6002 BHTS ZZ 350° BECO PLUS	15	32	9	30	484	1,97	2,85
6003 BHTS ZZ 350° BECO PLUS	17	35	10	40	444	2,24	3,25
6004 BHTS ZZ 350° BECO PLUS	20	42	12	69	400	3,45	5,00
6005 BHTS ZZ 350° BECO PLUS	25	47	12	80	340	4,04	5,85
6006 BHTS ZZ 350° BECO PLUS	30	55	13	120	260	5,52	8,00
6007 BHTS ZZ 350° BECO PLUS	35	62	14	160	220	7,17	10,4
6008 BHTS ZZ 350° BECO PLUS	40	68	15	190	200	8,14	11,8
6009 BHTS ZZ 350° BECO PLUS	45	75	16	250	180	9,86	14,3
6010 BHTS ZZ 350° BECO PLUS	50	80	16	260	170	10,76	15,6
6011 BHTS ZZ 350° BECO PLUS	55	90	18	390	150	14,62	21,2
6012 BHTS ZZ 350° BECO PLUS	60	95	18	420	140	16,00	23,2
6013 BHTS ZZ 350° BECO PLUS	65	100	18	440	126	17,24	25,0
6014 BHTS ZZ 350° BECO PLUS	70	110	20	600	120	21,72	31,5
6015 BHTS ZZ 350° BECO PLUS	75	115	20	640	100	23,45	34,0

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 ZZ 350° BECO PLUS (6200 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -10° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

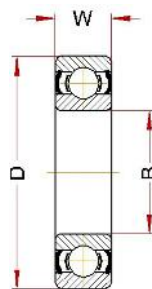
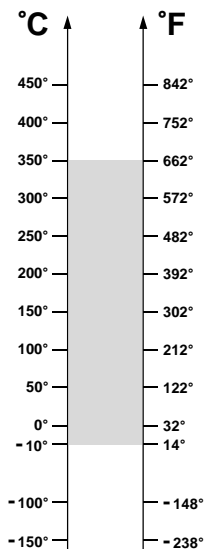
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
6200 BHTS ZZ 350° BECO PLUS	10	30	9	30	524	1,79	2,60
6201 BHTS ZZ 350° BECO PLUS	12	32	10	37	484	2,14	3,10
6202 BHTS ZZ 350° BECO PLUS	15	35	11	45	360	2,59	3,75
6203 BHTS ZZ 350° BECO PLUS	17	40	12	65	350	3,28	4,75
6204 BHTS ZZ 350° BECO PLUS	20	47	14	110	300	4,52	6,55
6205 BHTS ZZ 350° BECO PLUS	25	52	15	130	280	5,52	8,00
6206 BHTS ZZ 350° BECO PLUS	30	62	16	200	220	7,72	11,2
6207 BHTS ZZ 350° BECO PLUS	35	72	17	290	200	10,55	15,3
6208 BHTS ZZ 350° BECO PLUS	40	80	18	370	170	12,41	18,0
6209 BHTS ZZ 350° BECO PLUS	45	85	19	410	160	14,06	20,4
6210 BHTS ZZ 350° BECO PLUS	50	90	20	460	150	16,55	24,0
6211 BHTS ZZ 350° BECO PLUS	55	100	21	610	134	20,00	29,0
6212 BHTS ZZ 350° BECO PLUS	60	110	22	780	120	24,83	36,0
6213 BHTS ZZ 350° BECO PLUS	65	120	23	990	106	28,62	41,5
6214 BHTS ZZ 350° BECO PLUS	70	125	24	1040	100	30,35	44,0
6215 BHTS ZZ 350° BECO PLUS	75	130	25	1210	100	33,79	49,0

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 ZZ 350° BECO PLUS (6300 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -10° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
6300 BHTS ZZ 350° BECO PLUS	10	35	11	52	440	2,38	3,45
6301 BHTS ZZ 350° BECO PLUS	12	37	12	60	400	2,86	4,15
6302 BHTS ZZ 350° BECO PLUS	15	42	13	80	360	3,72	5,40
6303 BHTS ZZ 350° BECO PLUS	17	47	14	120	320	4,52	6,55
6304 BHTS ZZ 350° BECO PLUS	20	52	15	140	280	5,86	8,50
6305 BHTS ZZ 350° BECO PLUS	25	62	17	225	220	7,86	11,4
6306 BHTS ZZ 350° BECO PLUS	30	72	19	350	190	11,24	16,3
6307 BHTS ZZ 350° BECO PLUS	35	80	21	450	170	13,10	19,0
6308 BHTS ZZ 350° BECO PLUS	40	90	23	620	150	17,24	25,0
6309 BHTS ZZ 350° BECO PLUS	45	100	25	830	134	22,06	32,0
6310 BHTS ZZ 350° BECO PLUS	50	110	27	1050	120	26,21	38,0
6311 BHTS ZZ 350° BECO PLUS	55	120	29	1350	106	32,76	47,5
6312 BHTS ZZ 350° BECO PLUS	60	130	31	1700	100	35,86	52,0
6313 BHTS ZZ 350° BECO PLUS	65	140	33	2100	100	41,38	60,0
6314 BHTS ZZ 350° BECO PLUS	70	150	35	2500	100	46,90	68,0
6315 BHTS ZZ 350° BECO PLUS	75	160	37	3000	100	52,76	76,5

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 ZZ GR CG 350°

Ball Bearings for Extreme Temperature

The BHTS ZZ GR CG 350° ball bearings are designed on the dimensions of a standard bearing but with treatments of stabilization, surface treatment, radial clearance and a special full complement cage made from graphite, which make them suitable for operation from -50° to +350°C. Their recommended range of application is only between 280° and 350°C. The main feature of these bearings is to work in total absence of any kind of grease because the lubrication is directly from the graphite cage, which makes them "green" through lack of operating any type of issue could harm environment.

Technical characteristics:

Bearing material: steel AISI 52100 (Chrome) stabilized to the application
Treatment of manganese phosphate coating on all steel parts of the bearing
Radial Clearance 4xC5
Shields type ZZ
In one piece graphite cage (coronet cage)

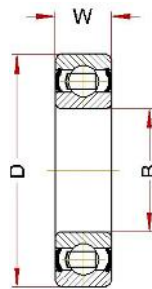
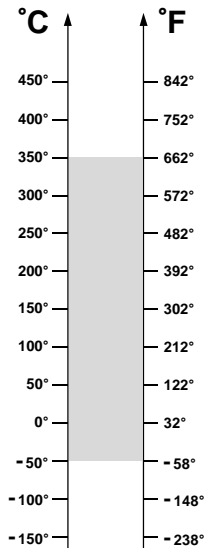
Fields of application:

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



BHTS ZZ GR CG 350° (6000 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -50° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

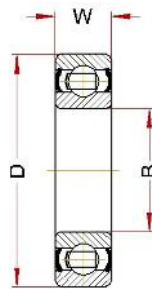
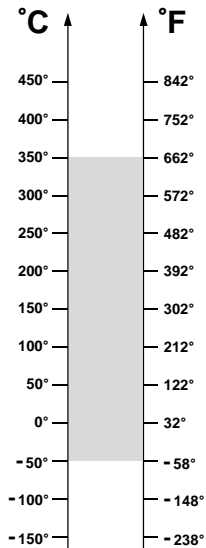
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
6000 BHTS ZZ GR CG 350°	10	26	8	20	90	1,35	1,96
6001 BHTS ZZ GR CG 350°	12	28	8	25	85	1,63	2,36
6002 BHTS ZZ GR CG 350°	15	32	9	30	80	1,97	2,85
6003 BHTS ZZ GR CG 350°	17	35	10	40	75	2,24	3,25
6004 BHTS ZZ GR CG 350°	20	42	12	69	70	3,45	5,00
6005 BHTS ZZ GR CG 350°	25	47	12	80	65	4,03	5,85
6006 BHTS ZZ GR CG 350°	30	55	13	120	60	5,52	8,00
6007 BHTS ZZ GR CG 350°	35	62	14	160	55	7,17	10,4
6008 BHTS ZZ GR CG 350°	40	68	15	190	50	8,14	11,8
6009 BHTS ZZ GR CG 350°	45	75	16	250	45	9,86	14,3
6010 BHTS ZZ GR CG 350°	50	80	16	260	40	10,76	15,6
6011 BHTS ZZ GR CG 350°	55	90	18	390	40	14,62	21,2
6012 BHTS ZZ GR CG 350°	60	95	18	420	40	16,00	23,2
6013 BHTS ZZ GR CG 350°	65	100	18	440	40	17,24	25,0
6014 BHTS ZZ GR CG 350°	70	110	20	600	40	21,72	31,5
6015 BHTS ZZ GR CG 350°	75	115	20	640	40	23,45	34,0

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 ZZ GR CG 350° (6200 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -50° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

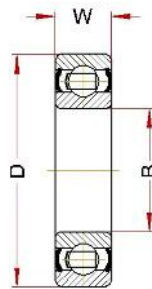
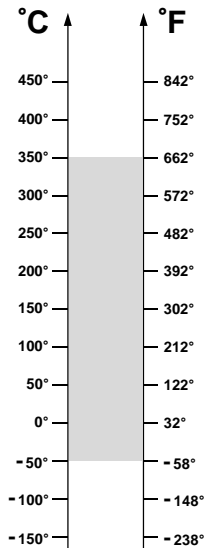
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
6200 BHTS ZZ GR CG 350°	10	30	9	30	90	1,79	2,60
6201 BHTS ZZ GR CG 350°	12	32	10	37	85	2,14	3,10
6202 BHTS ZZ GR CG 350°	15	35	11	45	80	2,59	3,75
6203 BHTS ZZ GR CG 350°	17	40	12	65	75	3,27	4,75
6204 BHTS ZZ GR CG 350°	20	47	14	110	70	4,52	6,55
6205 BHTS ZZ GR CG 350°	25	52	15	130	65	5,52	8,00
6206 BHTS ZZ GR CG 350°	30	62	16	200	60	7,72	11,2
6207 BHTS ZZ GR CG 350°	35	72	17	290	55	10,55	15,3
6208 BHTS ZZ GR CG 350°	40	80	18	370	50	12,41	18,0
6209 BHTS ZZ GR CG 350°	45	85	19	410	45	14,06	20,4
6210 BHTS ZZ GR CG 350°	50	90	20	460	40	16,55	24,0
6211 BHTS ZZ GR CG 350°	55	100	21	610	40	20,00	29,0
6212 BHTS ZZ GR CG 350°	60	110	22	780	40	24,83	36,0
6213 BHTS ZZ GR CG 350°	65	120	23	990	40	28,62	41,5
6214 BHTS ZZ GR CG 350°	70	125	24	1040	40	30,34	44,0
6215 BHTS ZZ GR CG 350°	75	130	25	1210	40	33,79	49,0

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 ZZ GR CG 350° (6300 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -50° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

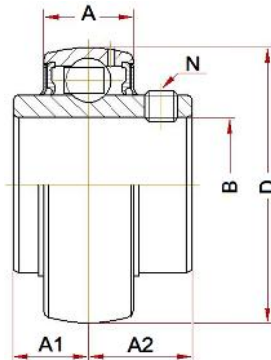
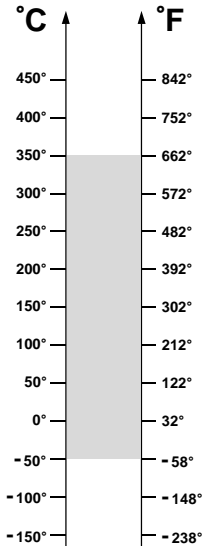
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
6300 BHTS ZZ GR CG 350°	10	35	11	52	90	2,38	3,45
6301 BHTS ZZ GR CG 350°	12	37	12	60	85	2,86	4,15
6302 BHTS ZZ GR CG 350°	15	42	13	80	80	3,72	5,40
6303 BHTS ZZ GR CG 350°	17	47	14	120	75	4,52	6,55
6304 BHTS ZZ GR CG 350°	20	52	15	140	70	5,86	8,50
6305 BHTS ZZ GR CG 350°	25	62	17	225	65	7,86	11,4
6306 BHTS ZZ GR CG 350°	30	72	19	350	60	11,24	16,3
6307 BHTS ZZ GR CG 350°	35	80	21	450	55	13,10	19,0
6308 BHTS ZZ GR CG 350°	40	90	23	620	50	17,24	25,0
6309 BHTS ZZ GR CG 350°	45	100	25	830	45	22,06	32,0
6310 BHTS ZZ GR CG 350°	50	110	27	1050	40	26,20	38,0
6311 BHTS ZZ GR CG 350°	55	120	29	1350	40	32,76	47,5
6312 BHTS ZZ GR CG 350°	60	130	31	1700	40	35,86	52,0
6313 BHTS ZZ GR CG 350°	65	140	33	2100	40	41,38	60,0
6314 BHTS ZZ GR CG 350°	70	150	35	2500	40	46,90	68,0
6315 BHTS ZZ GR CG 350°	75	160	37	3000	40	52,76	76,5

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 ZZ GR CG 350° (UC Serie)

Insert Bearings for Extreme Temperature



OPERATING RANGE: -50° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

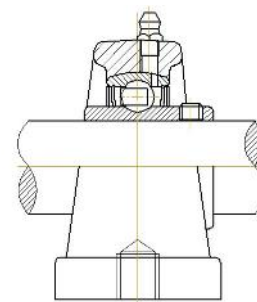
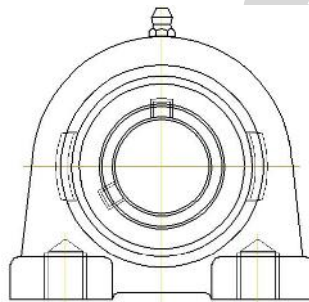
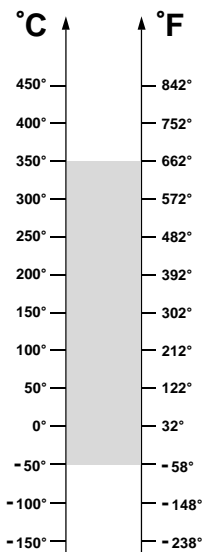
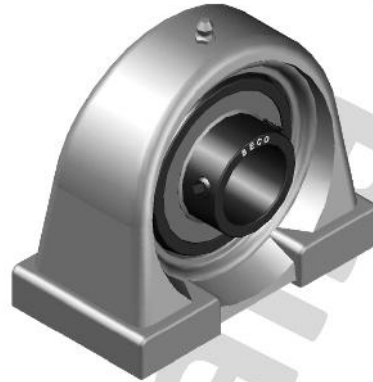
Designation	Bore (B)	Diam (D)	A	A1	A2	N	Weight, g	Limiting Speed, RPM	Static Load, kN at 350°C	Static Load, kN at 20°C
UC 201 BHTS ZZ GR CG 350°	12	47	13 ± 2	11,5	15,9	M6x0,75	200	85	4,55	6,6
UC 202 BHTS ZZ GR CG 350°	15	47	13 ± 2	11,5	15,9	M6x0,75	200	80	4,55	6,6
UC 203 BHTS ZZ GR CG 350°	17	47	13 ± 2	11,5	15,9	M6x0,75	200	75	4,55	6,6
UC 204 BHTS ZZ GR CG 350°	20	47	15 ± 2	12,7	18,3	M6x0,75	250	70	4,55	6,6
UC 205 BHTS ZZ GR CG 350°	25	52	16 ± 1	14,3	19,8	M6x0,75	300	65	5,39	7,8
UC 206 BHTS ZZ GR CG 350°	30	62	17 ± 2	15,9	22,2	M6x0,75	350	60	7,72	11,2
UC 207 BHTS ZZ GR CG 350°	35	72	18 ± 2	17,5	25,4	M8x1,00	500	55	10,4	15,1
UC 208 BHTS ZZ GR CG 350°	40	80	19 ± 2	19,0	30,2	M8x1,00	700	50	12,6	18,2
UC 209 BHTS ZZ GR CG 350°	45	85	20 ± 2	19,0	30,2	M8x1,00	800	45	14,2	20,6
UC 210 BHTS ZZ GR CG 350°	50	90	22 ± 2	19,0	32,6	M10x1,25	900	40	15,9	23,1
UC 211 BHTS ZZ GR CG 350°	55	100	23 ± 2	22,2	33,4	M10x1,25	1300	40	20,0	29,0
UC 212 BHTS ZZ GR CG 350°	60	110	24 ± 3	25,4	39,7	M10x1,25	1700	40	22,5	32,6
UC 213 BHTS ZZ GR CG 350°	65	120	27 ± 5	25,4	39,7	M10x1,25	1900	40	27,4	39,8
UC 214 BHTS ZZ GR CG 350°	70	125	28 ± 5	30,2	44,4	M12x1,50	2100	40	30,8	44,7
UC 215 BHTS ZZ GR CG 350°	75	130	29 ± 5	33,3	44,5	M12x1,50	2200	40	33,9	49,2

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 ZZ GR CG 350° (UCPA Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -50° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

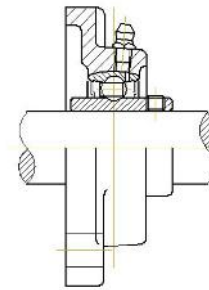
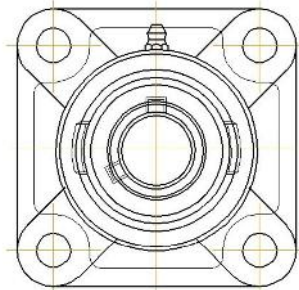
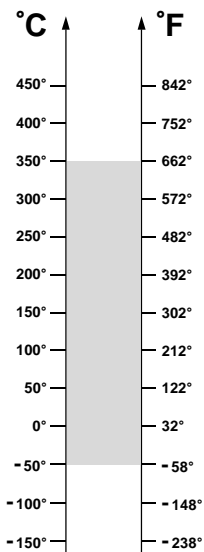
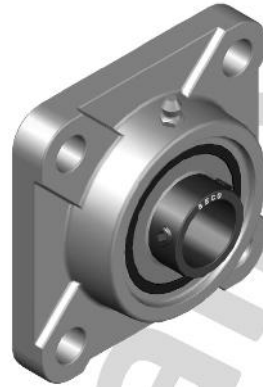
Unit code	Bearing code	Housing code
UCPA 201 BHTS ZZ GR CG 350°	UC 201 BHTS ZZ GR CG 350°	PA 204 SS
UCPA 202 BHTS ZZ GR CG 350°	UC 202 BHTS ZZ GR CG 350°	PA 204 SS
UCPA 203 BHTS ZZ GR CG 350°	UC 203 BHTS ZZ GR CG 350°	PA 204 SS
UCPA 204 BHTS ZZ GR CG 350°	UC 204 BHTS ZZ GR CG 350°	PA 204 SS
UCPA 205 BHTS ZZ GR CG 350°	UC 205 BHTS ZZ GR CG 350°	PA 205 SS
UCPA 206 BHTS ZZ GR CG 350°	UC 206 BHTS ZZ GR CG 350°	PA 206 SS
UCPA 207 BHTS ZZ GR CG 350°	UC 207 BHTS ZZ GR CG 350°	PA 207 SS
UCPA 208 BHTS ZZ GR CG 350°	UC 208 BHTS ZZ GR CG 350°	PA 208 SS
UCPA 209 BHTS ZZ GR CG 350°	UC 209 BHTS ZZ GR CG 350°	PA 209 SS
UCPA 210 BHTS ZZ GR CG 350°	UC 210 BHTS ZZ GR CG 350°	PA 210 SS

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 ZZ GR CG 350° (UCF Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -50° / 350°C

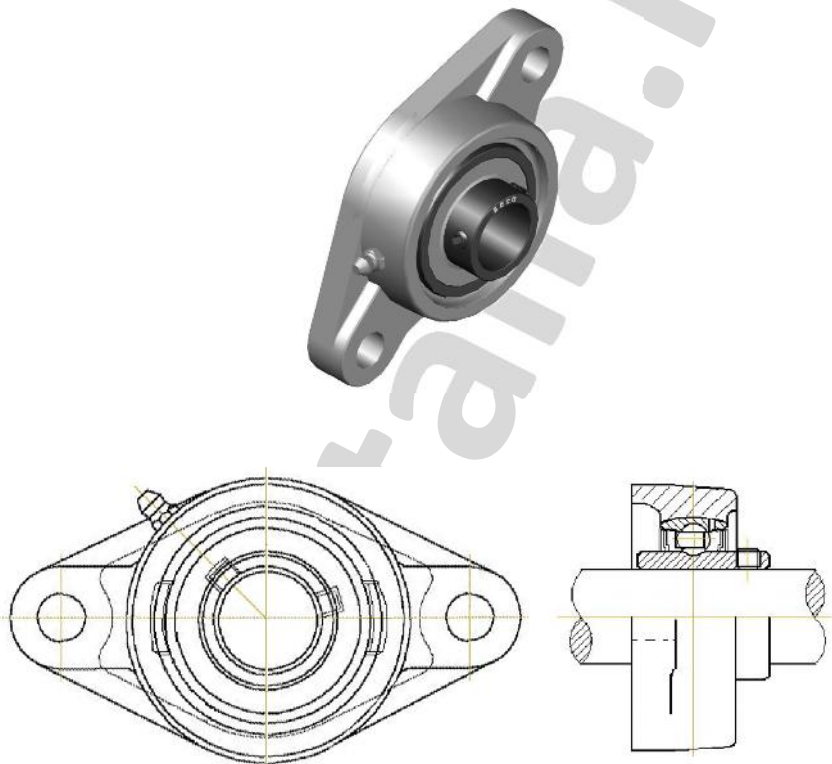
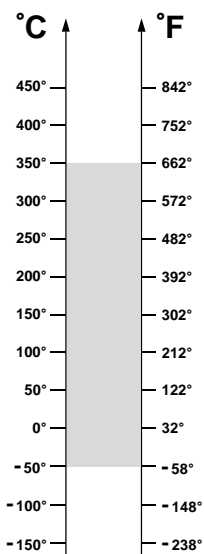
ECONOMIC OPERATING RANGE: 250° / 350°C

Unit code	Bearing code	Housing code
UCF 201 BHTS ZZ GR CG 350°	UC 201 BHTS ZZ GR CG 350°	F 204 SS
UCF 202 BHTS ZZ GR CG 350°	UC 202 BHTS ZZ GR CG 350°	F 204 SS
UCF 203 BHTS ZZ GR CG 350°	UC 203 BHTS ZZ GR CG 350°	F 204 SS
UCF 204 BHTS ZZ GR CG 350°	UC 204 BHTS ZZ GR CG 350°	F 204 SS
UCF 205 BHTS ZZ GR CG 350°	UC 205 BHTS ZZ GR CG 350°	F 205 SS
UCF 206 BHTS ZZ GR CG 350°	UC 206 BHTS ZZ GR CG 350°	F 206 SS
UCF 207 BHTS ZZ GR CG 350°	UC 207 BHTS ZZ GR CG 350°	F 207 SS
UCF 208 BHTS ZZ GR CG 350°	UC 208 BHTS ZZ GR CG 350°	F 208 SS
UCF 209 BHTS ZZ GR CG 350°	UC 209 BHTS ZZ GR CG 350°	F 209 SS
UCF 210 BHTS ZZ GR CG 350°	UC 210 BHTS ZZ GR CG 350°	F 210 SS
UCF 211 BHTS ZZ GR CG 350°	UC 211 BHTS ZZ GR CG 350°	F 211 SS
UCF 212 BHTS ZZ GR CG 350°	UC 212 BHTS ZZ GR CG 350°	F 212 SS
UCF 213 BHTS ZZ GR CG 350°	UC 213 BHTS ZZ GR CG 350°	F 213 SS
UCF 214 BHTS ZZ GR CG 350°	UC 214 BHTS ZZ GR CG 350°	F 214 SS
UCF 215 BHTS ZZ GR CG 350°	UC 215 BHTS ZZ GR CG 350°	F 215 SS

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 ZZ GR CG 350° (UCFL Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -50° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

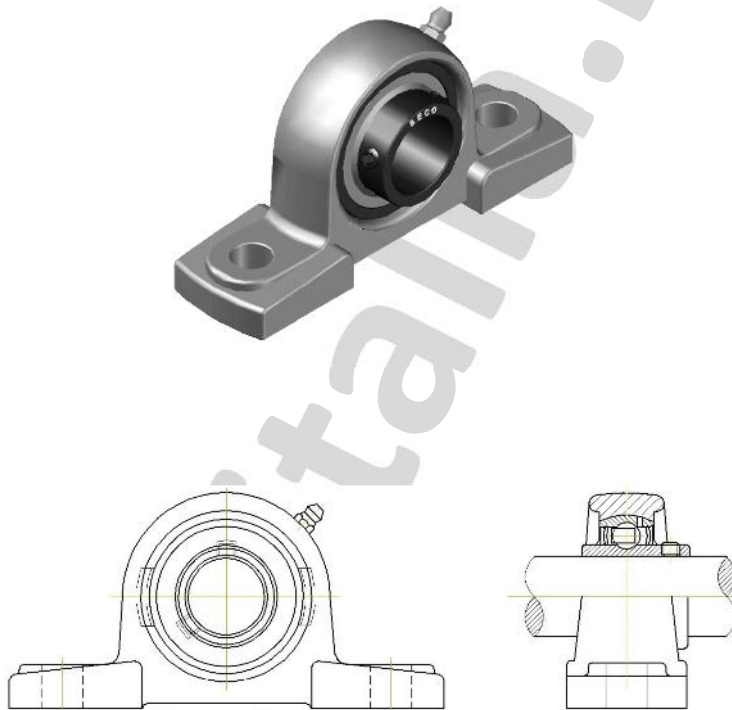
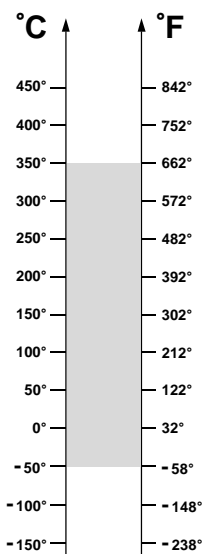
Unit code	Bearing code	Housing code
UCFL 201 BHTS ZZ GR CG 350°	UC 201 BHTS ZZ GR CG 350°	FL 204 SS
UCFL 202 BHTS ZZ GR CG 350°	UC 202 BHTS ZZ GR CG 350°	FL 204 SS
UCFL 203 BHTS ZZ GR CG 350°	UC 203 BHTS ZZ GR CG 350°	FL 204 SS
UCFL 204 BHTS ZZ GR CG 350°	UC 204 BHTS ZZ GR CG 350°	FL 204 SS
UCFL 205 BHTS ZZ GR CG 350°	UC 205 BHTS ZZ GR CG 350°	FL 205 SS
UCFL 206 BHTS ZZ GR CG 350°	UC 206 BHTS ZZ GR CG 350°	FL 206 SS
UCFL 207 BHTS ZZ GR CG 350°	UC 207 BHTS ZZ GR CG 350°	FL 207 SS
UCFL 208 BHTS ZZ GR CG 350°	UC 208 BHTS ZZ GR CG 350°	FL 208 SS
UCFL 209 BHTS ZZ GR CG 350°	UC 209 BHTS ZZ GR CG 350°	FL 209 SS
UCFL 210 BHTS ZZ GR CG 350°	UC 210 BHTS ZZ GR CG 350°	FL 210 SS
UCFL 211 BHTS ZZ GR CG 350°	UC 211 BHTS ZZ GR CG 350°	FL 211 SS
UCFL 212 BHTS ZZ GR CG 350°	UC 212 BHTS ZZ GR CG 350°	FL 212 SS

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 ZZ GR CG 350° (UCP Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -50° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

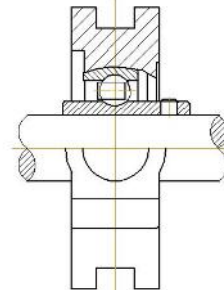
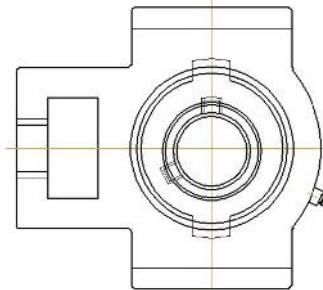
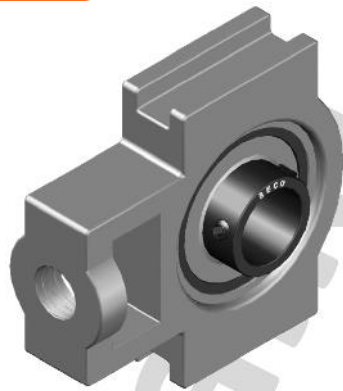
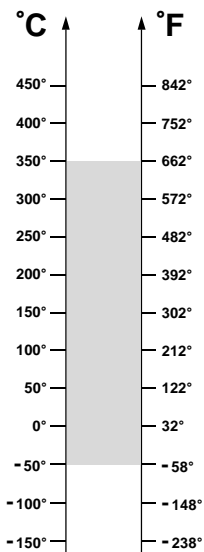
Unit code	Bearing code	Housing code
UCP 201 BHTS ZZ GR CG 350°	UC 201 BHTS ZZ GR CG 350°	P 204 SS
UCP 202 BHTS ZZ GR CG 350°	UC 202 BHTS ZZ GR CG 350°	P 204 SS
UCP 203 BHTS ZZ GR CG 350°	UC 203 BHTS ZZ GR CG 350°	P 204 SS
UCP 204 BHTS ZZ GR CG 350°	UC 204 BHTS ZZ GR CG 350°	P 204 SS
UCP 205 BHTS ZZ GR CG 350°	UC 205 BHTS ZZ GR CG 350°	P 205 SS
UCP 206 BHTS ZZ GR CG 350°	UC 206 BHTS ZZ GR CG 350°	P 206 SS
UCP 207 BHTS ZZ GR CG 350°	UC 207 BHTS ZZ GR CG 350°	P 207 SS
UCP 208 BHTS ZZ GR CG 350°	UC 208 BHTS ZZ GR CG 350°	P 208 SS
UCP 209 BHTS ZZ GR CG 350°	UC 209 BHTS ZZ GR CG 350°	P 209 SS
UCP 210 BHTS ZZ GR CG 350°	UC 210 BHTS ZZ GR CG 350°	P 210 SS
UCP 211 BHTS ZZ GR CG 350°	UC 211 BHTS ZZ GR CG 350°	P 211 SS
UCP 212 BHTS ZZ GR CG 350°	UC 212 BHTS ZZ GR CG 350°	P 212 SS
UCP 213 BHTS ZZ GR CG 350°	UC 213 BHTS ZZ GR CG 350°	P 213 SS
UCP 214 BHTS ZZ GR CG 350°	UC 214 BHTS ZZ GR CG 350°	P 214 SS
UCP 215 BHTS ZZ GR CG 350°	UC 215 BHTS ZZ GR CG 350°	P 215 SS

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 ZZ GR CG 350° (UCT Serie)

Pillow Block for Extreme Temperature



* Dimensions available at PILLOW BLOCK HOUSINGS Pages

OPERATING RANGE: -50° / 350°C

ECONOMIC OPERATING RANGE: 250° / 350°C

Unit code	Bearing code	Housing code
UCT 201 BHTS ZZ GR CG 350°	UC 201 BHTS ZZ GR CG 350°	T 204 SS
UCT 202 BHTS ZZ GR CG 350°	UC 202 BHTS ZZ GR CG 350°	T 204 SS
UCT 203 BHTS ZZ GR CG 350°	UC 203 BHTS ZZ GR CG 350°	T 204 SS
UCT 204 BHTS ZZ GR CG 350°	UC 204 BHTS ZZ GR CG 350°	T 204 SS
UCT 205 BHTS ZZ GR CG 350°	UC 205 BHTS ZZ GR CG 350°	T 205 SS
UCT 206 BHTS ZZ GR CG 350°	UC 206 BHTS ZZ GR CG 350°	T 206 SS
UCT 207 BHTS ZZ GR CG 350°	UC 207 BHTS ZZ GR CG 350°	T 207 SS
UCT 208 BHTS ZZ GR CG 350°	UC 208 BHTS ZZ GR CG 350°	T 208 SS
UCT 209 BHTS ZZ GR CG 350°	UC 209 BHTS ZZ GR CG 350°	T 209 SS
UCT 210 BHTS ZZ GR CG 350°	UC 210 BHTS ZZ GR CG 350°	T 210 SS
UCT 211 BHTS ZZ GR CG 350°	UC 211 BHTS ZZ GR CG 350°	T 211 SS
UCT 212 BHTS ZZ GR CG 350°	UC 212 BHTS ZZ GR CG 350°	T 212 SS

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.



BHT FB 400°

Ball Bearings for Extreme Temperature

The BHT FB 400° bearings are designed on the dimensions of a standard bearing but with treatments of stabilization, surface treatment, radial clearance and full ball fitting that make them suitable for operation from -40° to +400°C. Their recommended range of application is between 280° and 400°C. The BHT FB 400° are open bearings and require, additional lubrication with 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 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 its application is recommended where frequent changes are presented in the direction of rotation of the bearing and with irregular loads.

Technical characteristics:

Bearing material: steel AISI 52100 (Chrome) stabilized to the application
Treatment of manganese phosphate coating on all steel parts of the bearing
Radial Clearance 4xC5

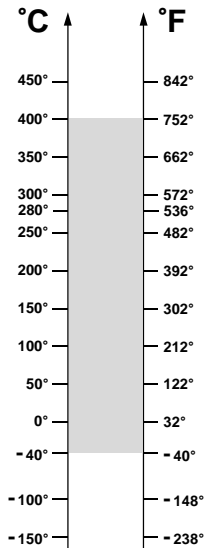
Fields of application:

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



BHT FB 400° (6000 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -40° / 400°C

ECONOMIC OPERATING RANGE: 250° / 400°C

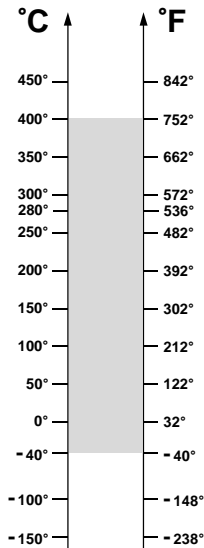
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 400°C	Static Load, kN at 20°C
6000 BHT FB 400°	10	26	8	20	90	1,35	1,96
6001 BHT FB 400°	12	28	8	25	85	1,63	2,36
6002 BHT FB 400°	15	32	9	30	80	1,97	2,85
6003 BHT FB 400°	17	35	10	40	75	2,24	3,25
6004 BHT FB 400°	20	42	12	69	70	3,45	5,00
6005 BHT FB 400°	25	47	12	80	65	4,03	5,85
6006 BHT FB 400°	30	55	13	120	60	5,52	8,00
6007 BHT FB 400°	35	62	14	160	55	7,17	10,4
6008 BHT FB 400°	40	68	15	190	50	8,14	11,8
6009 BHT FB 400°	45	75	16	250	45	9,86	14,3
6010 BHT FB 400°	50	80	16	260	40	10,76	15,6
6011 BHT FB 400°	55	90	18	390	40	14,62	21,2
6012 BHT FB 400°	60	95	18	420	40	16,00	23,2
6013 BHT FB 400°	65	100	18	440	40	17,24	25,0
6014 BHT FB 400°	70	110	20	600	40	21,72	31,5
6015 BHT FB 400°	75	115	20	640	40	23,45	34,0

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.

BHT FB 400° (6200 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -40° / 400°C

ECONOMIC OPERATING RANGE: 250° / 400°C

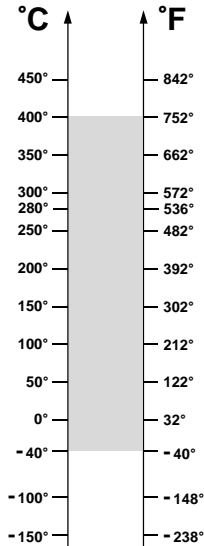
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 400°C	Static Load, kN at 20°C
6200 BHT FB 400°	10	30	9	30	90	1,79	2,60
6201 BHT FB 400°	12	32	10	37	85	2,14	3,10
6202 BHT FB 400°	15	35	11	45	80	2,59	3,75
6203 BHT FB 400°	17	40	12	65	75	3,28	4,75
6204 BHT FB 400°	20	47	14	110	70	4,52	6,55
6205 BHT FB 400°	25	52	15	130	65	5,52	8,00
6206 BHT FB 400°	30	62	16	200	60	7,72	11,2
6207 BHT FB 400°	35	72	17	290	55	10,55	15,3
6208 BHT FB 400°	40	80	18	370	50	12,41	18,0
6209 BHT FB 400°	45	85	19	410	45	14,07	20,4
6210 BHT FB 400°	50	90	20	460	40	16,55	24,0
6211 BHT FB 400°	55	100	21	610	40	20,00	29,0
6212 BHT FB 400°	60	110	22	780	40	24,83	36,0
6213 BHT FB 400°	65	120	23	990	40	28,62	41,5
6214 BHT FB 400°	70	125	24	1040	40	30,34	44,0
6215 BHT FB 400°	75	130	25	1210	40	33,80	49,0

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.

BHT FB 400° (6300 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -40° / 400°C

ECONOMIC OPERATING RANGE: 250° / 400°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 400°C	Static Load, kN at 20°C
6300 BHT FB 400°	10	35	11	52	90	2,38	3,45
6301 BHT FB 400°	12	37	12	60	85	2,86	4,15
6302 BHT FB 400°	15	42	13	80	80	3,72	5,40
6303 BHT FB 400°	17	47	14	120	75	4,52	6,55
6304 BHT FB 400°	20	52	15	140	70	5,86	8,50
6305 BHT FB 400°	25	62	17	225	65	11,24	11,4
6306 BHT FB 400°	30	72	19	350	60	13,10	16,3
6307 BHT FB 400°	35	80	21	450	55	16,53	19,0
6308 BHT FB 400°	40	90	23	620	50	17,20	25,0
6309 BHT FB 400°	45	100	25	830	45	22,00	32,0
6310 BHT FB 400°	50	110	27	1050	40	26,20	38,0
6311 BHT FB 400°	55	120	29	1350	40	32,70	47,5
6312 BHT FB 400°	60	130	31	1700	40	35,90	52,0
6313 BHT FB 400°	65	140	33	2100	40	41,38	60,0
6314 BHT FB 400°	70	150	35	2500	40	46,90	68,0
6315 BHT FB 400°	75	160	37	3000	40	52,76	76,5

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.



BHT FB 450° BECO PLUS

Ball Bearings for Extreme Temperature

The BHT FB 450° BECO PLUS bearings are designed on the dimensions of a standard bearing but with treatments of stabilization, surface treatment, radial clearance and full ball fitting that make them suitable for operation from -50° to +450°C. Their recommended range of application is between 280° and 450°C. The BHT FB 450° BECO PLUS are open bearings, do not require lubrication. The bearings are ceramic coated on all the rotating parts. Important is that the ceramic coating is for lubrication and not for electrical insulation. The unique design allows, through a precision lateral milling, the complete full ball fitting of the bearing. This technical solution avoids the use of 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 10 years allowing exceptional performance in terms of durability in applications more demanding. In particular its application is recommended where frequent changes are presented in the direction of the bearing and with irregular loads.

Technical characteristics:

Bearing material: steel AISI 52100 (Chrome) stabilized to the application
Treatment of manganese phosphate coating on all steel parts of the bearing + Treatment of ceramic coating
Radial Clearance 4xC5

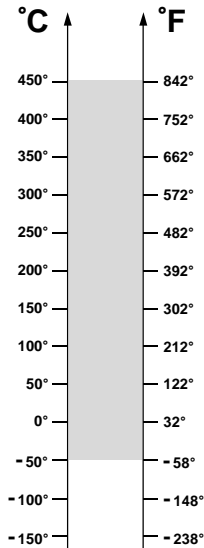
Fields of application:

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



BHT FB 450° BECO PLUS (6000 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -50° / 450°C

ECONOMIC OPERATING RANGE: 300° / 450°C

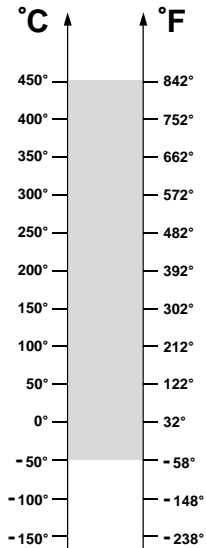
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 450°C	Static Load, kN at 20°C
6000 BHT FB 450° BECO PLUS	10	26	8	20	90	1,22	1,96
6001 BHT FB 450° BECO PLUS	12	28	8	25	85	1,47	2,36
6002 BHT FB 450° BECO PLUS	15	32	9	30	80	1,78	2,85
6003 BHT FB 450° BECO PLUS	17	35	10	40	75	2,03	3,25
6004 BHT FB 450° BECO PLUS	20	42	12	69	70	3,12	5,00
6005 BHT FB 450° BECO PLUS	25	47	12	80	65	3,65	5,85
6006 BHT FB 450° BECO PLUS	30	55	13	120	60	5,00	8,00
6007 BHT FB 450° BECO PLUS	35	62	14	160	55	6,50	10,4
6008 BHT FB 450° BECO PLUS	40	68	15	190	50	7,37	11,8
6009 BHT FB 450° BECO PLUS	45	75	16	250	45	8,93	14,3
6010 BHT FB 450° BECO PLUS	50	80	16	260	40	9,75	15,6
6011 BHT FB 450° BECO PLUS	55	90	18	390	40	13,2	21,2
6012 BHT FB 450° BECO PLUS	60	95	18	420	40	14,5	23,2
6013 BHT FB 450° BECO PLUS	65	100	18	440	40	15,6	25,0
6014 BHT FB 450° BECO PLUS	70	110	20	600	40	19,6	31,5
6015 BHT FB 450° BECO PLUS	75	115	20	640	40	21,2	34,0

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.

BHT FB 450° BECO PLUS (6200 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -50° / 450°C

ECONOMIC OPERATING RANGE: 300° / 450°C

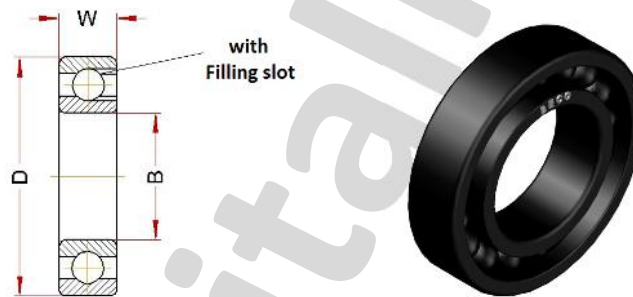
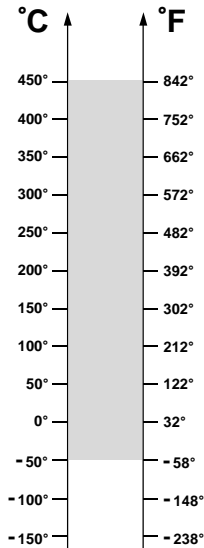
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 450°C	Static Load, kN at 20°C
6200 BHT FB 450° BECO PLUS	10	30	9	30	90	1,62	2,60
6201 BHT FB 450° BECO PLUS	12	32	10	37	85	1,93	3,10
6202 BHT FB 450° BECO PLUS	15	35	11	45	80	2,34	3,75
6203 BHT FB 450° BECO PLUS	17	40	12	65	75	2,97	4,75
6204 BHT FB 450° BECO PLUS	20	47	14	110	70	4,09	6,55
6205 BHT FB 450° BECO PLUS	25	52	15	130	65	5,00	8,00
6206 BHT FB 450° BECO PLUS	30	62	16	200	60	7,00	11,2
6207 BHT FB 450° BECO PLUS	35	72	17	290	55	9,56	15,3
6208 BHT FB 450° BECO PLUS	40	80	18	370	50	11,2	18,0
6209 BHT FB 450° BECO PLUS	45	85	19	410	45	12,7	20,4
6210 BHT FB 450° BECO PLUS	50	90	20	460	40	15,0	24,0
6211 BHT FB 450° BECO PLUS	55	100	21	610	40	18,1	29,0
6212 BHT FB 450° BECO PLUS	60	110	22	780	40	22,5	36,0
6213 BHT FB 450° BECO PLUS	65	120	23	990	40	25,9	41,5
6214 BHT FB 450° BECO PLUS	70	125	24	1040	40	27,5	44,0
6215 BHT FB 450° BECO PLUS	75	130	25	1210	40	30,6	49,0

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.

BHT FB 450° BECO PLUS (6300 Serie)

Ball Bearings for Extreme Temperature



OPERATING RANGE: -50° / 450°C

ECONOMIC OPERATING RANGE: 300° / 450°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at 450°C	Static Load, kN at 20°C
6300 BHT FB 450° BECO PLUS	10	35	11	52	90	2,15	3,45
6301 BHT FB 450° BECO PLUS	12	37	12	60	85	2,60	4,15
6302 BHT FB 450° BECO PLUS	15	42	13	80	80	3,38	5,40
6303 BHT FB 450° BECO PLUS	17	47	14	120	75	4,09	6,55
6304 BHT FB 450° BECO PLUS	20	52	15	140	70	5,3	8,50
6305 BHT FB 450° BECO PLUS	25	62	17	225	65	7,13	11,4
6306 BHT FB 450° BECO PLUS	30	72	19	350	60	10,1	16,3
6307 BHT FB 450° BECO PLUS	35	80	21	450	55	11,8	19,0
6308 BHT FB 450° BECO PLUS	40	90	23	620	50	15,6	25,0
6309 BHT FB 450° BECO PLUS	45	100	25	830	45	20,0	32,0
6310 BHT FB 450° BECO PLUS	50	110	27	1050	40	23,7	38,0
6311 BHT FB 450° BECO PLUS	55	120	29	1350	40	29,6	47,5
6312 BHT FB 450° BECO PLUS	60	130	31	1700	40	32,5	52,0
6313 BHT FB 450° BECO PLUS	65	140	33	2100	40	37,5	60,0
6314 BHT FB 450° BECO PLUS	70	150	35	2500	40	42,5	68,0
6315 BHT FB 450° BECO PLUS	75	160	37	3000	40	47,8	76,5

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.



BLS ZZ -70°

Ball Bearings for Low Temperature

The BLS ZZ -70° bearings are developed based on the structure of a standard bearing but with appropriate treatments of stabilization, radial clearance, grease and ZZ shields that make them suitable for operation from -70° to +100°C. Their application range is extremely wide and covers many areas; in particular, the BLS ZZ -70° allows an exceptional range of safety in all applications where they can also occur temporarily and for reasons not dependent on the will of the design, temperatures particularly low.

Technical characteristics:

Bearing material: steel AISI 52100 (Chrome) stabilized to the application
Radial Clearance C4
Shields type ZZ
Lubricated with grease for temperatures down to -70°C

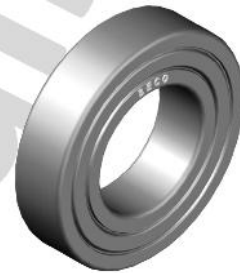
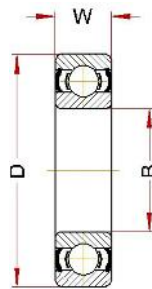
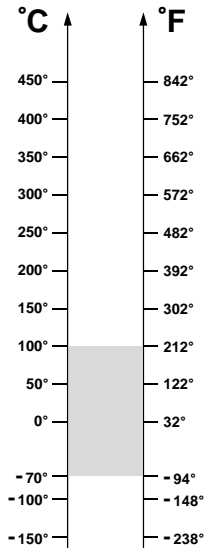
Fields of application:

Installations for the production of gas
Equipment for refrigeration rooms
Facilities for ski resorts
Special vehicles for arctic use



BLS ZZ -70° (6000 Serie)

Ball Bearings for Low Temperature



OPERATING RANGE: -70° / 100°C

ECONOMIC OPERATING RANGE: -70° / 100°C

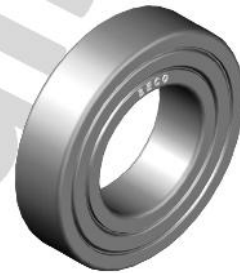
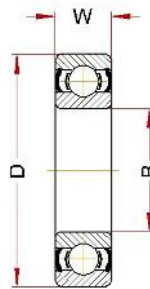
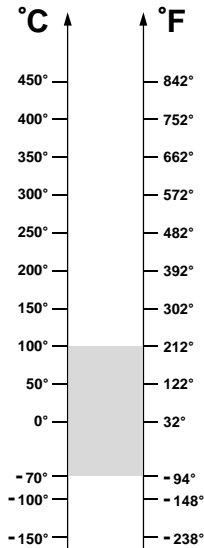
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at -70°C	Static Load, kN at 20°C
6000 BLS ZZ -70°	10	26	8	20	6000	1,57	1,96
6001 BLS ZZ -70°	12	28	8	25	5800	1,89	2,36
6002 BLS ZZ -70°	15	32	9	30	5600	2,28	2,85
6003 BLS ZZ -70°	17	35	10	40	5400	2,60	3,25
6004 BLS ZZ -70°	20	42	12	69	5200	4,00	5,00
6005 BLS ZZ -70°	25	47	12	80	4800	4,68	5,85
6006 BLS ZZ -70°	30	55	13	120	4400	6,40	8,00
6007 BLS ZZ -70°	35	62	14	160	4000	8,32	10,4
6008 BLS ZZ -70°	40	68	15	190	3600	9,44	11,8
6009 BLS ZZ -70°	45	75	16	250	3200	11,44	14,3
6010 BLS ZZ -70°	50	80	16	260	2800	12,48	15,6
6011 BLS ZZ -70°	55	90	18	390	2400	16,96	21,2
6012 BLS ZZ -70°	60	95	18	420	2000	18,56	23,2
6013 BLS ZZ -70°	65	100	18	440	1800	20,00	25,0
6014 BLS ZZ -70°	70	110	20	600	1600	25,20	31,5
6015 BLS ZZ -70°	75	115	20	640	1400	27,20	34,0
6016 BLS ZZ -70°	80	125	22	850	1200	32,00	40,0
6017 BLS ZZ -70°	85	130	22	890	1000	34,32	42,9
6018 BLS ZZ -70°	90	140	24	1150	900	39,92	49,9
6019 BLS ZZ -70°	95	145	24	1200	800	43,16	53,9
6020 BLS ZZ -70°	100	150	24	1250	700	43,16	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.

BLS ZZ -70° (6200 Serie)

Ball Bearings for Low Temperature



OPERATING RANGE: -70° / 100°C

ECONOMIC OPERATING RANGE: -70° / 100°C

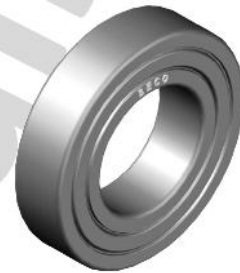
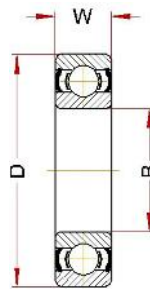
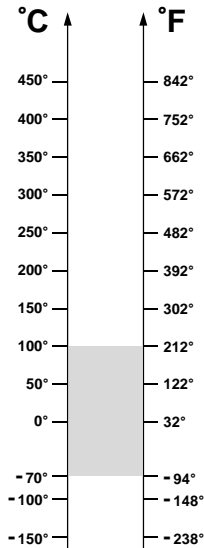
Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at -70°C	Static Load, kN at 20°C
6200 BLS ZZ -70°	10	30	9	30	5800	2,08	2,60
6201 BLS ZZ -70°	12	32	10	37	5600	2,48	3,10
6202 BLS ZZ -70°	15	35	11	45	5400	3,00	3,75
6203 BLS ZZ -70°	17	40	12	65	5200	3,80	4,75
6204 BLS ZZ -70°	20	47	14	110	4800	5,24	6,55
6205 BLS ZZ -70°	25	52	15	130	4400	6,40	8,00
6206 BLS ZZ -70°	30	62	16	200	4000	8,96	11,2
6207 BLS ZZ -70°	35	72	17	290	3600	12,2	15,3
6208 BLS ZZ -70°	40	80	18	370	3200	14,4	18,0
6209 BLS ZZ -70°	45	85	19	410	2800	16,3	20,4
6210 BLS ZZ -70°	50	90	20	460	2400	19,2	24,0
6211 BLS ZZ -70°	55	100	21	610	2000	23,2	29,0
6212 BLS ZZ -70°	60	110	22	780	1800	28,8	36,0
6213 BLS ZZ -70°	65	120	23	990	1600	33,2	41,5
6214 BLS ZZ -70°	70	125	24	1040	1400	35,2	44,0
6215 BLS ZZ -70°	75	130	25	1210	1200	39,2	49,0
6216 BLS ZZ -70°	80	140	26	1400	1000	44,0	55,0
6217 BLS ZZ -70°	85	150	28	1800	900	51,2	64,0
6218 BLS ZZ -70°	90	160	30	2150	800	58,8	73,5
6219 BLS ZZ -70°	95	170	32	2600	700	65,2	81,5
6220 BLS ZZ -70°	100	180	34	3150	600	74,4	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.

BLS ZZ -70° (6300 Serie)

Ball Bearings for Low Temperature



OPERATING RANGE: -70° / 100°C

ECONOMIC OPERATING RANGE: -70° / 100°C

Designation	Bore (B)	Diam (D)	Width (W)	Weight, g	Limiting Speed, RPM	Static Load, kN at -70°C	Static Load, kN at 20°C
6300 BLS ZZ -70°	10	35	11	52	5600	2,48	3,1
6301 BLS ZZ -70°	12	37	12	60	5400	2,96	3,7
6302 BLS ZZ -70°	15	42	13	80	5200	3,84	4,8
6303 BLS ZZ -70°	17	47	14	120	4800	4,64	5,8
6304 BLS ZZ -70°	20	52	15	140	4400	6,08	7,6
6305 BLS ZZ -70°	25	62	17	225	4000	8,16	10,2
6306 BLS ZZ -70°	30	72	19	350	3600	11,68	14,6
6307 BLS ZZ -70°	35	80	21	450	3200	13,68	17,1
6308 BLS ZZ -70°	40	90	23	620	2800	18,00	22,5
6309 BLS ZZ -70°	45	100	25	830	2400	23,04	28,8
6310 BLS ZZ -70°	50	110	27	1050	2000	27,36	34,2
6311 BLS ZZ -70°	55	120	29	1350	1800	34,16	42,7
6312 BLS ZZ -70°	60	130	31	1700	1600	37,44	46,8
6313 BLS ZZ -70°	65	140	33	2100	1400	43,20	54,0
6314 BLS ZZ -70°	70	150	35	2500	1200	48,96	61,2
6315 BLS ZZ -70°	75	160	37	3000	1000	55,04	68,8
6316 BLS ZZ -70°	80	170	39	3600	900	62,24	77,8
6317 BLS ZZ -70°	85	180	41	4250	800	69,44	86,8
6318 BLS ZZ -70°	90	190	43	4900	700	77,76	97,2
6319 BLS ZZ -70°	95	200	45	5650	600	84,96	106,2
6320 BLS ZZ -70°	100	215	47	7000	500	100,8	126,0

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.