



BHTS 2RS VT 250°-280°

Ball Bearings for Extreme Temperature

The BHTS 2RS VT 250°-280° ball bearings are designed on the dimension of standard bearing, but with appropriate treatment of stabilization, surface treatment, radial clearance, grease and special Viton seals, that make them suitable to operate from -40° to between +250° and +280°C. Their recommended range of application is between 180° and 250°C. The dual display of 250°- 280° 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, the BHTS 2RS C4 VT 220° bearings are available, which are cheaper and also allow much higher rotational speed. The range BHTS 2RS VT 250°-280° replaces BHTS ZZ 280°, which shows the same functional, structural characteristics, but with significantly lower levels of protection against weather conditions.

Viton seals can resist many types of acids, however the bearing BHTS 2RS VT 250°-280° is designed exclusively for application in high temperature, it cannot 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 in steel with vulcanized rubber for 280°C Viton

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

Do not need additional lubrication

Fields of application:

Paint Ovens

Steel industry

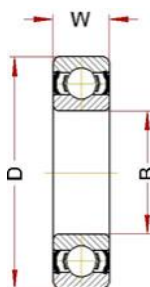
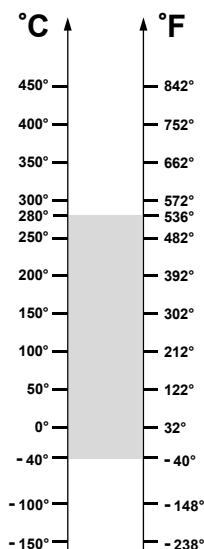
Furnaces for Ceramic Industry

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-lifetime.