



## **BSS 316**

### **Ball Bearings in Stainless Steel AISI 316 (non magnetic)**

The BSS 316 bearings are made from stainless steel AISI 316 for all the rotational parts and AISI 304 for the protection and the cage. The construction in AISI 316 guarantees excellent performance in applications such as, in the presence of extremely aggressive acids, salts, sea water, etc. It is recommended, in the engineering stage, to carefully check the load characteristics listed in the catalogue, as the AISI 316 bearings are without heat treatment, thereby providing a high resistance against oxidation but a limited capacity load. The BSS 316 are completely non-magnetic and therefore usable in application where this feature is required.

#### **Technical characteristics:**

Material Stainless steel AISI 316  
Radial Clearance C3  
Open type  
Grease: The bearings are supplied not greased

#### **Fields of application:**

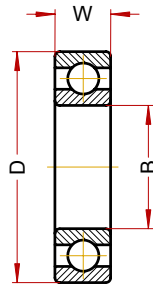
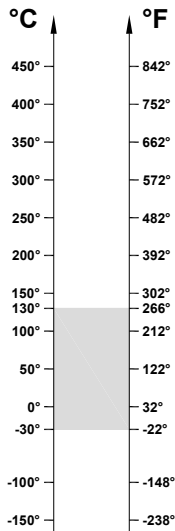
Air conveyors for food processing plants  
Tissue finishing plants  
Ship building industry



## BSS 316 (6000 Serie)

### Ball Bearings in Stainless Steel AISI 316 (non magnetic)

## BSS 316 (6000 Serie)



OPERATING RANGE: -30° / 130°C

ECONOMIC OPERATING RANGE: -30° / 130°C

Designation	Bore (B)	Diam (D)	Widht (W)	Weight g	Speed RPM/min (*)	Static Load, kN at 100°	Static Load, kN at 20°
6000 BSS 316	10	26	8	20	200	0,13	0,13
6001 BSS 316	12	28	8	25	190	0,16	0,16
6002 BSS 316	15	32	9	30	180	0,19	0,19
6003 BSS 316	17	35	10	40	170	0,22	0,22
6004 BSS 316	20	42	12	69	160	0,33	0,33
6005 BSS 316	25	47	12	80	150	0,39	0,39
6006 BSS 316	30	55	13	120	140	0,53	0,53
6007 BSS 316	35	62	14	160	130	0,69	0,69
6008 BSS 316	40	68	15	190	120	0,70	0,70
6009 BSS 316	45	75	16	250	110	0,72	0,72
6010 BSS 316	50	80	16	260	100	0,78	0,78
6011 BSS 316	55	90	18	390	90	1,06	1,06
6012 BSS 316	60	95	18	420	80	1,16	1,16
6013 BSS 316	65	100	18	440	70	1,25	1,25
6014 BSS 316	70	110	20	600	60	1,58	1,58
6015 BSS 316	75	115	20	640	50	1,70	1,70

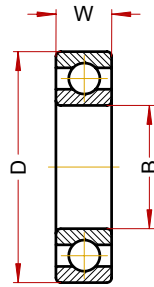
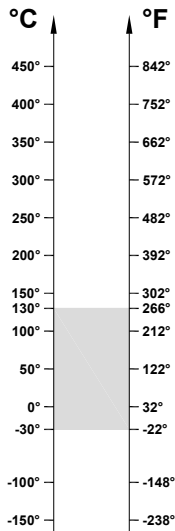
**OPERATING RANGE** is the correct technical range in which can be used the bearing with good operating result.

**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.

## BSS 316 (6200 Serie)

### Ball Bearings in Stainless Steel AISI 316 (non magnetic)

## BSS 316 (6200 Serie)



OPERATING RANGE: -30° / 130°C

ECONOMIC OPERATING RANGE: -30° / 130°C

Designation	Bore (B)	Diam (D)	Widht (W)	Weight g	Speed RPM/min (*)	Static Load, kN at 100°	Static Load, kN at 20°
6200 BSS 316	10	30	9	30	200	0,17	0,17
6201 BSS 316	12	32	10	37	190	0,21	0,21
6202 BSS 316	15	35	11	45	180	0,25	0,25
6203 BSS 316	17	40	12	65	170	0,32	0,32
6204 BSS 316	20	47	14	110	160	0,44	0,44
6205 BSS 316	25	52	15	130	150	0,53	0,53
6206 BSS 316	30	62	16	200	140	0,75	0,75
6207 BSS 316	35	72	17	290	130	0,77	0,77
6208 BSS 316	40	80	18	370	120	0,90	0,90
6209 BSS 316	45	85	19	410	110	1,02	1,02
6210 BSS 316	50	90	20	460	100	1,20	1,20
6211 BSS 316	55	100	21	610	90	1,45	1,45
6212 BSS 316	60	110	22	780	80	1,90	1,90
6213 BSS 316	65	120	23	990	70	2,08	2,08
6214 BSS 316	70	125	24	1040	60	2,20	2,20
6215 BSS 316	75	130	25	1210	50	2,45	2,45

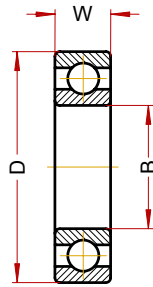
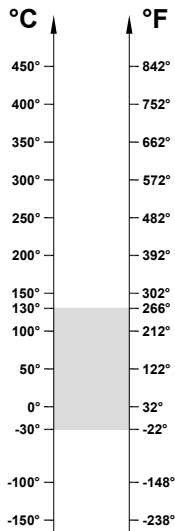
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## BSS 316 (6300 Serie)

### Ball Bearings in Stainless Steel AISI 316 (non magnetic)

## BSS 316 (6300 Serie)



OPERATING RANGE: -30° / 130°C

ECONOMIC OPERATING RANGE: -30° / 130°C

Designation	Bore (B)	Diam (D)	Widht (W)	Weight g	Speed RPM/min (*)	Static Load, kN at 100°	Static Load, kN at 20°
6300 BSS 316	10	35	11	52	200	0,23	0,23
6301 BSS 316	12	37	12	60	190	0,28	0,28
6302 BSS 316	15	42	13	80	180	0,36	0,36
6303 BSS 316	17	47	14	120	170	0,44	0,44
6304 BSS 316	20	52	15	140	160	0,57	0,57
6305 BSS 316	25	62	17	225	150	0,76	0,76
6306 BSS 316	30	72	19	350	140	0,82	0,82
6307 BSS 316	35	80	21	450	130	0,95	0,95
6308 BSS 316	40	90	23	620	120	1,25	1,25
6309 BSS 316	45	100	25	830	110	1,60	1,60
6310 BSS 316	50	110	27	1050	100	1,90	1,90
6311 BSS 316	55	120	29	1350	90	2,38	2,38
6312 BSS 316	60	130	31	1700	80	2,60	2,60
6313 BSS 316	65	140	33	2100	70	3,00	3,00
6314 BSS 316	70	150	35	2500	60	3,40	3,40
6315 BSS 316	75	160	37	3000	50	3,83	3,83

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

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