

Bearing

Range of Products

- thrust ball bearing
- double-row bearing
- hinge bearing
- slide bearing
- taper roller bearing
- cone bearing
- linear roll bearing
- miniature- and small bearing
- needle crown / needle bearing
- spherical bearing
- spherical roller bearing
- wheel bearing
- deep groove ball bearing
- angular ball bearing
- spindle ball bearing
- barrel-shaped bearing
- cylinder roller bearing
- Special designs according to drawings or samples

Quality German standard DIN 620/2
 ISO 492
 JAPAM

Standard	Tolerance class					
	China	GB307	0(G)	6(E)	5(D)	4(C)
ISO	ISO492	0	0	5	4	2
Swede	Version 1985	0	P6	P5	P4	P2
DE	DIN 620/2	P0	P6	P5	P4	P2
U.S.A.	ANSI B3.14	ABEC1	ABEC1	ABEC5	ABEC7	ABEC9
Japan	JIS B1514	0	0	5	4	2

Applications

General mechanical engineering, materials handling equipment, bearing, and automotive technology

Chemical composition:

Material	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Cu %
1.3501 100Cr2	0,90- 1,05	0,15- 0,35	0,25- 0,45	≤ 0,030	≤0,025	0,40- 0,60	≤0,30	≤0,30
1.3503 105Cr4	1,00- 1,10	0,15- 0,35	0,25- 0,40	≤0,030	≤0,025	0,90- 1,15	-	-
1.3505 100Cr6	0,93- 1,05	0,15- 0,35	0,25- 0,45	≤0,025	≤0,015	1,35- 1,60	-	Mo ≤0,10% Al ≤0,050% Cu ≤ 0,30%
100CrMn6	0.90- 1.05	0.50- 0.70	1.00- 1.20	≤0.025	≤0.020	1.40- 1.65	-	-
Chinese YJZ-84 GCr15	0.95- 1.05	0.15- 0.35	0.20- 0.40	≤0.027	≤0.020	1.30- 1.65	≤0.025	-