

Rings and balls materials



The table below gives an overview of the materials commonly used to manufacture JESA bearings. Other steel grades with specific characteristics are available on request and according to application specifications.

Material	Bearing type													
	Standard		Economic		Stainless Standard		Stainless Economic		Hybrid, highspeed		Non-magnetic		High chemical resistance	
	Rings	Balls	Rings	Balls	Rings	Balls	Rings	Balls	Rings	Balls	Rings	Balls	Rings	Balls
100 Cr6 DIN 1.3505 AISI 52100	Yes	Yes		Yes					Yes					
11 S Mn Pb 37 DIN 1.0737 AISI 12 L 14			Yes											
C 85 DIN 1.0616				Yes										
X 105 Cr Mo 17 DIN 1.4125 AISI 440C					Yes	Yes		Yes	Yes					
X 46 Cr13 DIN 1.4034 AISI (420)							Yes	Yes	Yes					
X 5 Cr Ni 18 10 DIN 1.4301 AISI 304											Yes	Yes	Yes	Yes
Ceramic Al ₂ O ₃ Si ₃ N ₄										Yes		Yes		Yes