

# Material: BS ZP16

## Standard Specification For Zinc and Zinc Alloy Castings

**Group:** Non-Ferrous Zinc Alloys

**Sub Group:** BS ZP27 Zinc and Zinc Alloy Castings

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Aluminium	Al %	0.010 - 0.040
Copper	Cu %	1.000 - 1.500
Magnesium	Mg %	0.020 max.
Chromium	Cr %	0.100 - 0.200
Titanium	Ti %	0.150 - 0.250
Lead	Pb %	0.005 max.
Cadmium	Cd %	0.005 max.
Tin	Sn %	0.004 max.
Iron	Fe %	0.050 max.
Silicon	Si %	0.050 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	220 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP16	DIN	Germany	Casting
ZP16	UNI	Italy	Casting
ZP0010	UNE	Spain	Casting
ZP0010	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India