

钢球 GCr15 steel ball

GCr15 steel balls are one of the commonly used steel grades for bearing rolling elements. The bearing ball has excellent comprehensive performance, good cutting performance after annealing, high hardness and uniformity after quenching and tempering, high wear resistance and contact fatigue strength, and good thermal performance. GCr15 steel is the most used and produced in high carbon chromium bearing steel material.

Application: Suitable for machine tool spindle bearing, high-speed rolling mill bearing, machine tool bearing.

GCr15 钢球是轴承滚动体常用的钢种之一。 轴承球综合性能优良，退火后切削性能好，调质后硬度和均匀性高，耐磨性和接触疲劳强度高，热性能好。

GCr15 钢是高碳铬轴承钢材料中使用和生产最多的钢。

应用：适用于机床主轴轴承、高速轧机轴承、机床轴承。

Nominal diameter of steel ball 钢球公称直径		Nominal diameter of steel ball 钢球公称直径		Nominal diameter of steel ball 钢球公称直径	
mm	in	mm	in	mm	in

0.5		0.6		0.794	1/32
0.8		1		1.588	1/16
2		2.381	3/32	2.5	
2.778	7/64	3		3.175	1/8
3.5		3.969	5/32	4	
4.5		4.762	3/16	5	
5.159	13/64	5.5		5.953	15/64
6		6.35	1/4	6.5	
6.747	17/64	7		7.144	9/32
7.5		7.938	5/16	8	

8.5		9		9.525	$\frac{3}{8}$
10		11.112	$\frac{7}{16}$	12	
12.303	$\frac{31}{64}$	12.7	$\frac{1}{2}$	13.494	$\frac{17}{32}$
14.288	$\frac{9}{16}$	15.081	$\frac{19}{32}$	15.875	$\frac{5}{8}$
16.669	$\frac{21}{32}$	17.462	$\frac{11}{16}$	18.256	$\frac{23}{32}$
19.05	$\frac{3}{4}$	19.844	$\frac{25}{32}$	20.638	$\frac{13}{16}$
21.431	$\frac{27}{32}$	22.225	$\frac{7}{8}$	28.575	$1 \frac{1}{8}$
31.75	$1 \frac{1}{4}$				