

ZYS Carbide ball

The material grades and physical mechanical properties of Carbide ball						
Grade	Chemical composition		Density	Hardness	Porosity	Non-combined carbon
	WC	Co(Ni)	g/cm ³	HRA		
YG6	94	6	14.6~15	≥89.5	A02B02	CO2
YG6X	94	6	14.6~15	≥91	A02B02	CO2
YG8	92	8	14.5~14.9	≥89	A02B02	CO2
YN9	91	(9)	14.6~15.2	≥89	A02B02	CO2

Carbide ball specifications					
Nominal diameter of bearing ball		Nominal diameter of bearing ball		Nominal diameter of bearing ball	
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		4.763	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	3/8
10		11.113	7/16	12	
12.303	31/64	12.7	1/2	13.494	17/32



14.288	9/16	15		16	
16.669	21/32	18.256	23/32	19.844	25/32
20.638	13/16	22.225	7/8	28.575	11/8
30.162	13/16				