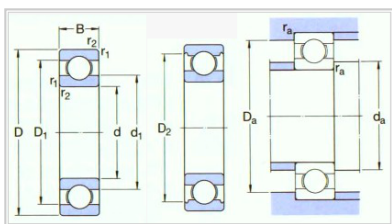


Metric Series

63 Series-633,633ZZ,-,-



Designation	
With shielded	633
Open type	633ZZ
With seal VV	-
With seal DD	-
Principal dimensions [mm]	
d	3
D	13
B	5
B1	5
r(min)	0.2
Basic load ratings(N)	
Cr	1300
Cor	485
Basic load ratings{kgf}	
Cr	133
Cor	49
Speed ratings(rpm)	
Grease	
ZZ	40000
D·D	-
Oil	
Z	48000
Abutment and fillet dimensions (mm)	
da(min)	4.6
db(max)	6
Da(Max)	11.4
Db(min)	11.3
ra(max)	0.2
rb(max)	0.2
Weight(g)	
Open type	3.38
With shielded	3.33