



7307BEAT85

Single-Row Angular Contact Ball Bearings

Boundary Dimensions

d	35	mm	Bore diameter
D	80	mm	Outside diameter
B	21	mm	Width
r (min.)	1.5	mm	Chamfer dimension
r1 (min.)	1	mm	Chamfer dimension

Basic Load Ratings

Cr	42000	N	Basic dynamic load rating
C0r	24400	N	Basic static load rating

Speeds

Grease	8000	min-1	Grease lubrication
Oil (Oil-bath)	11000	min-1	Oil-bath lubrication

Dimensions

a	34.6	mm	Effective load center
---	------	----	-----------------------

Abutment and Fillet Dimensions

da (min.)	44	mm	Diameter of shaft abutment
Da (max.)	71	mm	Diameter of housing abutment
ra (max.)	1.5	mm	Radius of shaft or housing fillet

Mass

Mass approx.	0.451	kg	Mass approx.
--------------	-------	----	--------------

