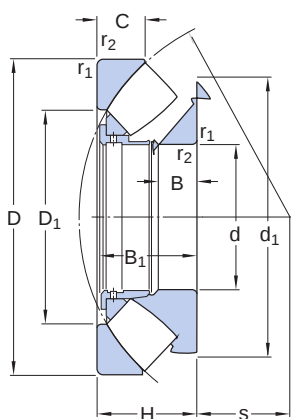


294/710 EF

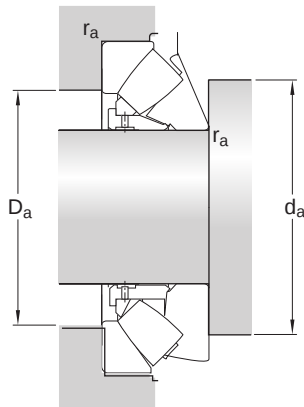
Spherical roller thrust bearings accommodate very heavy axial and considerable radial loads. They have the highest load rating of all thrust bearings, enabling compact, high power density bearing arrangements. By combining two or more spherical roller thrust bearings, it is possible to create a bearing arrangement that is either self-aligning, allowing misalignment of the shaft, or very stiff.



- High load carrying capacity
- Can accommodate combined loads
- Allow misalignment or create very stiff bearing arrangements
- Long service life and low friction
- Separable design



Dimensions		
d	710 mm	Bore diameter
D	1 220 mm	Outside diameter
H	308 mm	Height
d ₁	≈ 1 110 mm	Outside diameter of shaft washer end side face
D ₁	≈ 917 mm	Shoulder diameter outer ring
B	117 mm	Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a machined cage)
B ₁	298 mm	Height shaft washer + cage
C	149 mm	Height housing washer
s	415 mm	Distance from shaft washer end side face to pressure point
r _{1,2}	min. 15 mm	Chamfer dimension shaft washer



Abutment dimensions

d_a	min. 965 mm	Diameter of shaft abutment
D_a	max. 1 070 mm	Diameter of housing abutment
r_a	max. 12 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	17 600 kN
Basic static load rating	C_0	76 500 kN
Fatigue load limit	P_u	5 000 kN
Reference speed		220 r/min
Limiting speed		430 r/min
Minimum axial load factor	A	560

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit