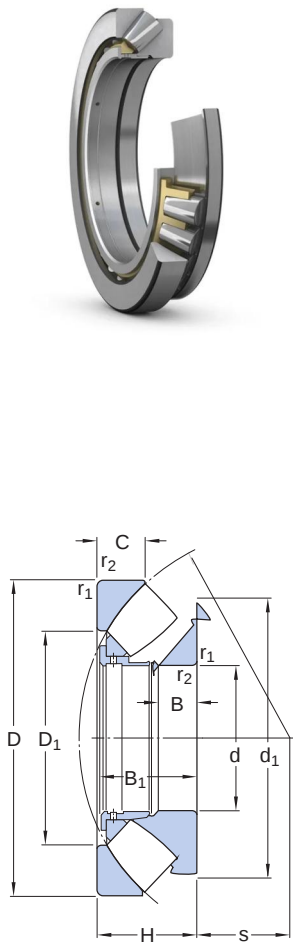


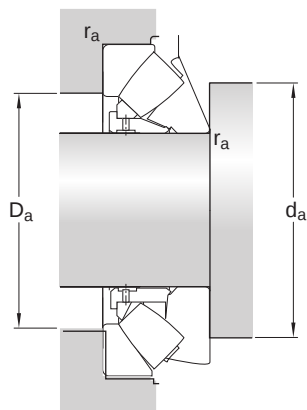
294/500 EM

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	500 mm	Bore diameter
D	870 mm	Outside diameter
H	224 mm	Height
d ₁	≈ 795 mm	Outside diameter of shaft washer end side face
D ₁	≈ 648 mm	Shoulder diameter outer ring
B	86 mm	Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a machined cage)
B ₁	216 mm	Height shaft washer + cage
C	110 mm	Height housing washer
s	290 mm	Distance from shaft washer end side face to pressure point
r _{1,2}	min. 9.5 mm	Chamfer dimension shaft washer



Abutment dimensions

d_a	min. 685 mm	Diameter of shaft abutment
D_a	max. 755 mm	Diameter of housing abutment
r_a	max. 8 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	9 370 kN
Basic static load rating	C_0	40 000 kN
Fatigue load limit	P_u	2 850 kN
Reference speed		340 r/min
Limiting speed		670 r/min
Minimum axial load factor	A	150

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit