

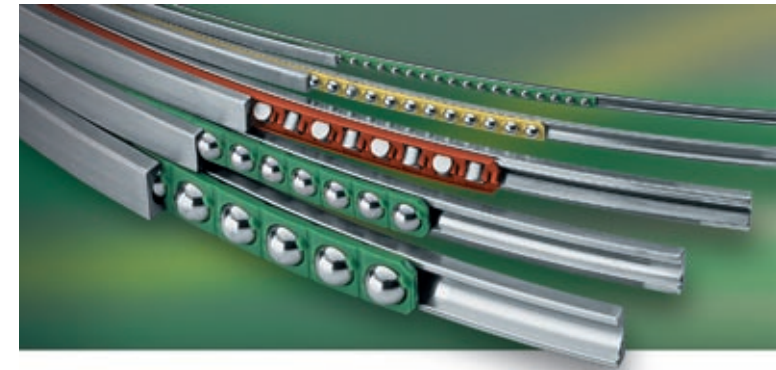


The CS-Series

	Cross Section	Shaft Diameter
Four-Point Contact Bearings		
CSXASS	1/8" *	2" - 30"
CSXABS	4,5 mm	2" - 30"
CSXAS	1/4"	2" - 30"
CSXCS	3/8"	4" - 34"
CSXDS	1/2"	4" - 34"
Deep-Groove Ball Bearings		
CSCDS	1/2"	4" - 34"
Angular Contact Ball Bearings		
CSEDS	1/2"	4" - 34"
Cross Roller Bearing		
SXCS	8 mm	80 - 500 mm

* The world's smallest cross section in a thin-section bearing!

Intermediate sizes available upon request.



A New Product Family: CSX...S-Series Thin-Section Bearings

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CSX...S-Series Thin-Section Bearings from INA: What state-of-the-art rolling bearings look like.

A new generation of bearings sets new standards for product availability. Thanks to a revolutionary manufacturing process, the CSX...S-series is available with extremely short lead times. No longer manufactured using conventional methods, the bearing rings are formed from drawn and profiled stainless-steel. Looking for outstanding performance? These bearings have already proven themselves in medical technology applications, such as operating tables and x-ray machines.

Small Cross Section – Enormous Utility

- Large diameters with a small cross section require very little design space
- Can operate in temperatures ranging from -40 °C to +120 °C
- Resistant to a wide variety of media
- Dynamic and static load-carrying capacities comparable to that of a machined-race bearing made from 100Cr6
- Four-point contact accommodates combined loads
- Large number of balls delivers high rigidity
- Integral design allows a wide selection of materials – such as aluminium – for mating parts
- Split rings compensate for varying rates of expansion
- Quick and economical assembly/disassembly – makes replacement a snap



Technical Features

- Four-point contact bearing with a 45° contact angle
- Open on both sides
- Rings and balls made from X46Cr13 (1.4034 (German steel no.))
- Plastic cage made from Pa12 or optional PEEK
- Cage allows minimal ball spacing
- Bearing rings and cages are split
- Five four-point bearing cross sections, ranging from 1/8" to 1/2"

Benefits

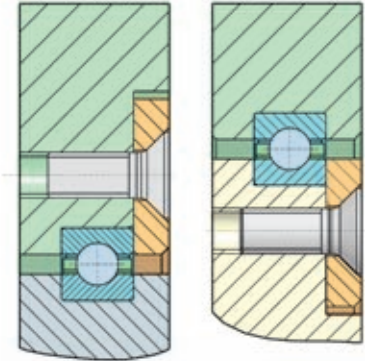
- Bearing clearance is variable, depending on the type of ball (color of cage)

Red cage:	preload
Green cage:	normal clearance
Yellow cage:	increased bearing clearance
- Greater number of balls than in machined-race bearings
- Shaft tolerance h7
- Housing tolerance H7

Mounting Options

Anchored on the side:

- Groove in outer or inner ring H7/h7
- Shaft shoulder or housing shoulder h7/H7
- Snap the outer or inner ring into the groove
- Slide the bearing onto the shoulder
- Secure the outer or inner ring with a washer



Anchored on both sides:

- Housing shoulder H7, shaft shoulder h7
- Slide the bearing onto the shoulders
- Secure the outer and inner ring with a washer