

Item description/product images

**Description****Material:**

Inner ring, outer ring and rolling elements, bearing steel.

Note:

The cross-roller bearings with fastening holes on the inner and outer rings do not require flange discs or housings. This minimises assembly errors and ensures precise rotational accuracy and constant torque. The cross-roller bearing is suitable for both inner and outer ring rotation.

There are two options for the radial bearing play: Bearings with normal clearance C1 (order number: 23831-0XXXXX) and pre-tensioned bearings S1 (order number: 23831-1XXXXX).

The cross-roller bearings have tolerance class P0. This tolerance class describes the radial and axial deviation of the inner and outer ring.

The cross-roller bearings are sealed on both sides.

Other bearing clearances and tolerance classes are available on request.

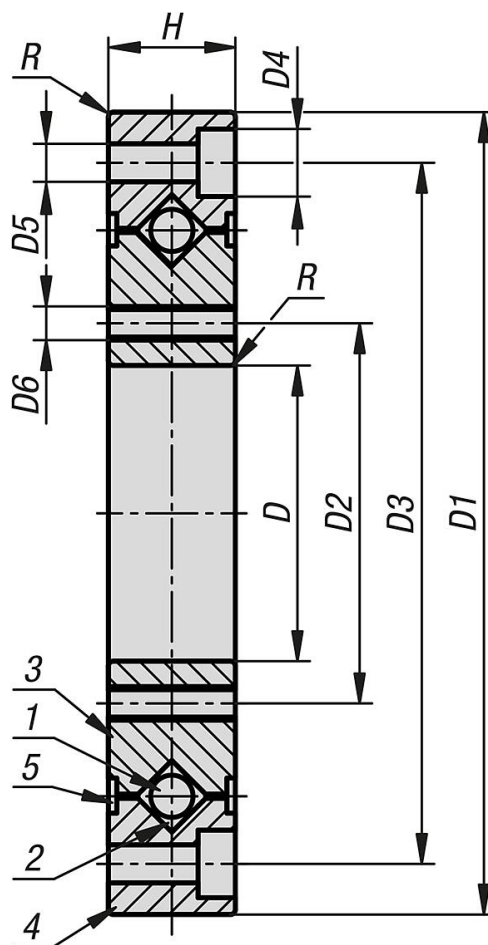
Technical data:

See Downloads, Technical Information.

Drawing reference:

- 1) Rollers
- 2) Spacer
- 3) Inner ring
- 4) Outer ring
- 5) Seal

Drawings



Overview of items

Order No.	Version 2	D	D1	D2	D3	D4	D5	D6	H	R	Static base loads kN	Dynamic base loads kN
23831-10-002012	Normal play	20	70	28	57	6,5	3,4	M3	12	0,6	8,35	7,35
23831-10-003515	Normal play	35	95	45	83	8	4,5	M4	15	0,6	22,3	17,5
23831-10-005515	Normal play	55	120	65	105	9,5	5,5	M5	15	0,6	29,5	20,3
23831-10-102012	Preloaded	20	70	28	57	6,5	3,4	M3	12	0,6	8,35	7,35
23831-10-103515	Preloaded	35	95	45	83	8	4,5	M4	15	0,6	22,3	17,5
23831-10-105515	Preloaded	55	120	65	105	9,5	5,5	M5	15	0,6	29,5	20,3