

Item description/product images



Description

Material:

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

Note:

The compact cross-roller bearing is available in two widths: 5 mm and 8 mm. It is characterised by a robust and compact design and is ideal for applications where space is limited and for lightweight constructions.

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.

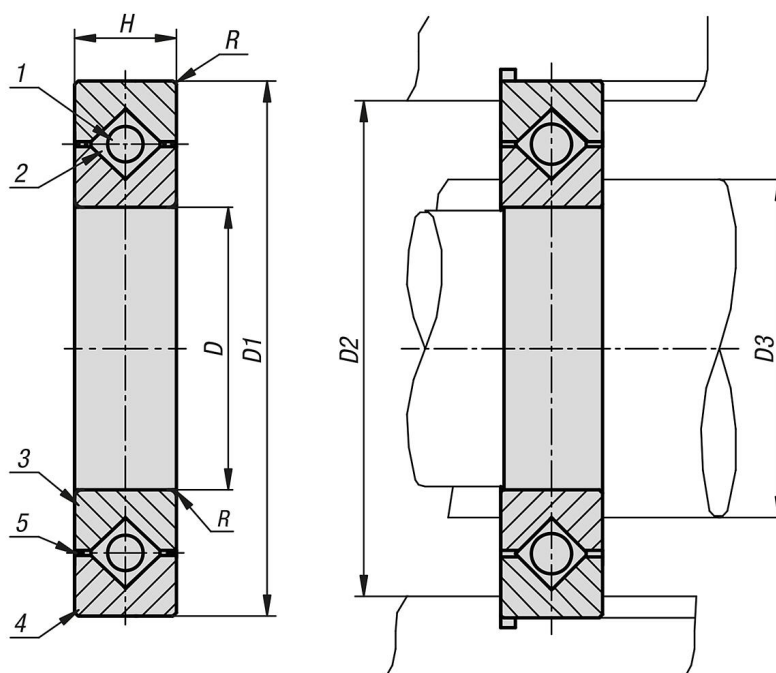
Technical data:

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	H	R	D2	D3	Dynamic base loads kN	Static base loads kN
23831-05-002005	with stepper motor on the top	20	31	5	0,5	27	22,5	1,4	1,29
23831-05-003005	with stepper motor on the top	30	41	5	0,5	37	32,5	1,77	1,97
23831-05-004005	with stepper motor on the top	40	51	5	0,5	47	42,5	2	2,52
23831-05-005005	with stepper motor on the top	50	61	5	0,5	57	52,5	2,28	3,2
23831-05-005008	with stepper motor on the top	50	66	8	0,5	62	52,5	5,1	7,19
23831-05-006005	with stepper motor on the top	60	71	5	0,5	67	62,5	2,63	4,09
23831-05-006008	with stepper motor on the top	60	76	8	0,5	72	62,5	5,68	8,68
23831-05-007005	with stepper motor on the top	70	81	5	0,5	77	72,5	2,81	4,68
23831-05-007008	with stepper motor on the top	70	86	8	0,5	82	72,5	5,98	9,8
23831-05-008005	with stepper motor on the top	80	91	5	0,5	87	82,5	3,05	5,43
23831-05-008008	with stepper motor on the top	80	96	8	0,5	92	82,5	6,37	11,3
23831-05-009005	with stepper motor on the top	90	101	5	0,5	97	92,5	3,19	6,03
23831-05-009008	with stepper motor on the top	90	106	8	0,5	102	92,5	6,67	12,4
23831-05-102005	with stop	20	31	5	0,5	27	22,5	1,4	1,29
23831-05-103005	with stop	30	41	5	0,5	37	32,5	1,77	1,97
23831-05-104005	with stop	40	51	5	0,5	47	42,5	2	2,52
23831-05-105005	with stop	50	61	5	0,5	57	52,5	2,28	3,2
23831-05-105008	with stop	50	66	8	0,5	62	52,5	5,1	7,19
23831-05-106005	with stop	60	71	5	0,5	67	62,5	2,63	4,09
23831-05-106008	with stop	60	76	8	0,5	72	62,5	5,68	8,68
23831-05-107005	with stop	70	81	5	0,5	77	72,5	2,81	4,68
23831-05-107008	with stop	70	86	8	0,5	82	72,5	5,98	9,8
23831-05-108005	with stop	80	91	5	0,5	87	82,5	3,05	5,43
23831-05-108008	with stop	80	96	8	0,5	92	82,5	6,37	11,3
23831-05-109005	with stop	90	101	5	0,5	97	92,5	3,19	6,03
23831-05-109008	with stop	90	106	8	0,5	102	92,5	6,67	12,4