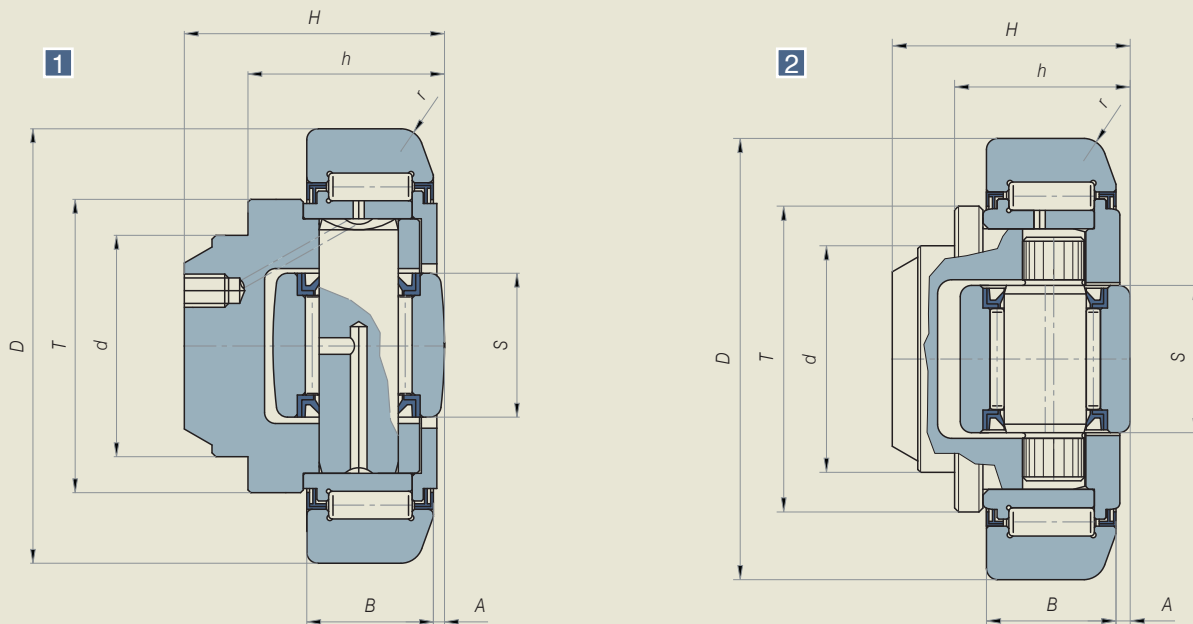


PRECISION COMBINATION BEARINGS



SPECIAL ORDER ITEM

Precision combination bearings maintain the same characteristics as the previous series. They are manufactured with a wider diameter than the standard ones, because they are used in machined profiles. The very precise coupling between profile and bearing represents a very good and economic solution in comparison to linear guides. These bearings are being used in alternative to the linear guides more often.

Part Number	d	T	D	H	h min./max.	B	A	S	r	C	C ₀	C _a	C _{0a}	PROFILE	Ref.
	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	KN	KN	KN	KN		
PR 4054	30	42	64,8	37,5	30,5	20	2,5	20	3	31	35,5	11	11	EC 065 L	1
PR 4454	30	42	64,8	37,5	30,5 - 32	20	4	20	3	31	35,5	11	11	EC 065 L	2
PR 4055	35	48	73,8	44	36	23	2,5	22	4	45,5	51	13	14	EC 074 L	1
PR 4455	35	48	73,8	44	36 - 37,5	23	4	20	4	45,5	51	11	11	EC 074 L	2
PR 4056*	40	54	81,8	48	36,5	23	3	26	4	48	56,8	18	18	EC 082 L	1
PR 4456	40	54	81,8	48	37 - 38,5	23	3,5	26	4	48	56,8	18	18	EC 082 L	2
PR 4058*	45	59	92,8	57	44	30	3,5	26	3	68	72	23	23	EC 093 L	1
PR 4458	45	59	92,8	57	44 - 45,5	30	4	26	4	68	72	23	23	EC 093 L	2
PR 4061*	60	71	111,8	69	55	31	4	34	5	81	95	31	36	EC 112 L	1
PR 4461	60	69	111,8	69	55 - 57	31	4	30	5	81	95	25	27	EC 112 L	2
PR 4062*	60	80	127,8	72,3	56	37	5	40	5	110	132	43	50	EC 128 L	1
PR 4462	60	80	127,8	72,3	56 - 60	37	5	34	5	110	132	31	36	EC 128 L	2
PR 4063*	60	103	153,8	78,5	58,5	43	5,5	50	3	151	192	68	71	EC 154 L	1
PR 4463	60	108	153,8	78,5	58,5 - 62,5	45	6	34	3	151	192	31	36	EC 154 L	2

THE BEARINGS ARE SUPPLIED WITH ZRS SEALS.

C : Dynamic load C₀ : Static load C_a : Dynamic axial load C_{0a} : Static axial load

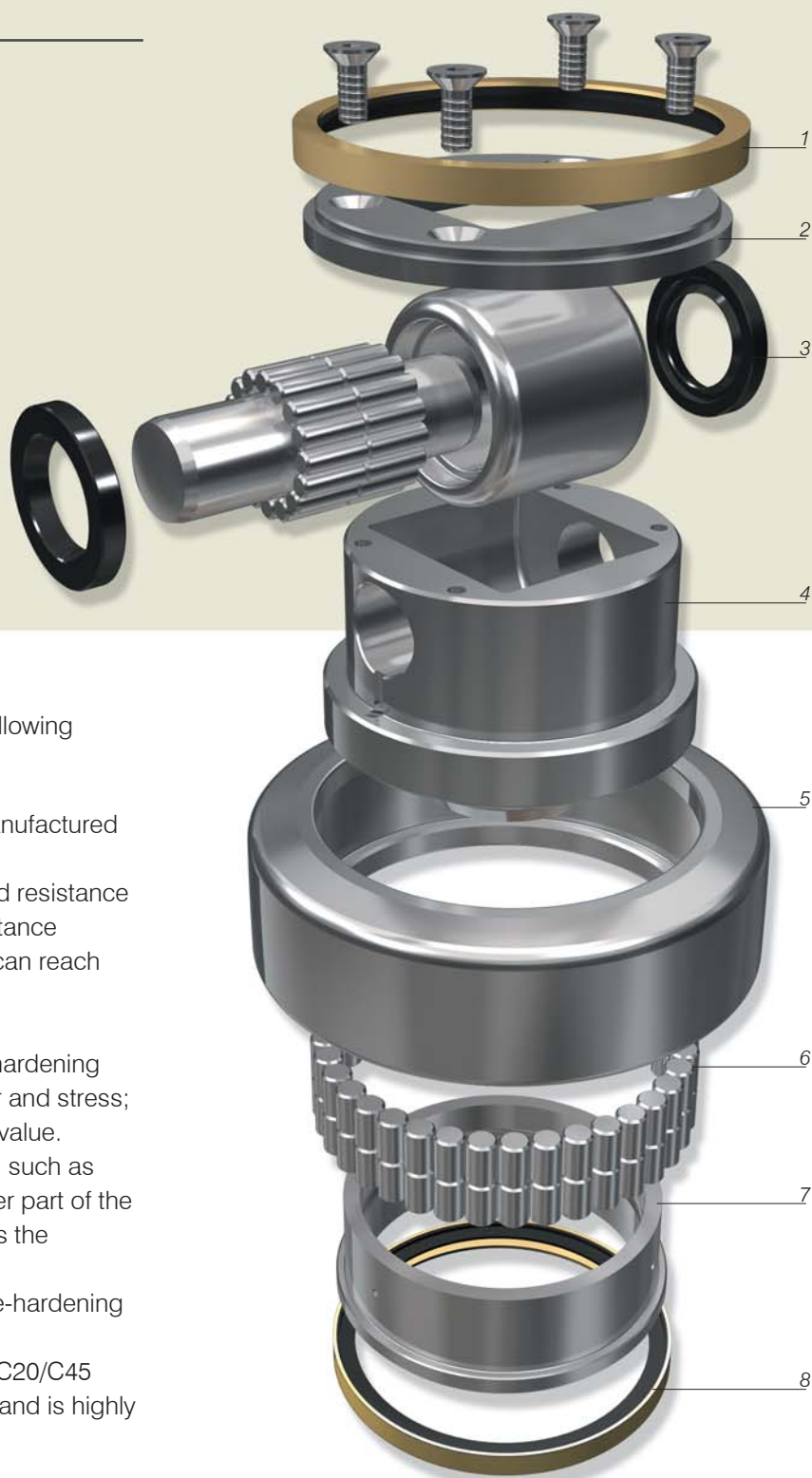
* PR4056, PR4058, PR4061, PR4062 and PR4063 have lubrication holes.



PRECISION COMBINATION BEARINGS



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1. ZRS SEAL RING
 2. SUPPORT THRUST RING
 3. AXIAL PART
 4. PIVOT
 5. OUTER RING
 6. CYLINDRICAL ROLLERS
 7. INNER RING
 8. ZRS SEAL RING
-



Precision combination bearings have the following technical characteristics:

- The outer ring and the axial roller are manufactured in case-hardening steel type 20CrMnTi. This kind of steel guarantees a very good resistance to stress, and assures a very good resistance against impacts. The surface hardness can reach 60-2 HRC for both of them.
- Inner ring and pin are manufactured in core-hardened 100 Cr6 steel. The total-hardening steel guarantees high resistance to wear and stress; both of them reach 60-2 HRC hardness value.
- ZRS seal system, prevents outer agents, such as dust, wet and mill scale, to enter the inner part of the bearing, and at the same time it prevents the leakage of lubrication grease.
- The thrust cover is manufactured in case-hardening steel as well.
- The central pivot is made in low carbon C20/C45 steel, which guarantees high resistance and is highly suitable for welding.