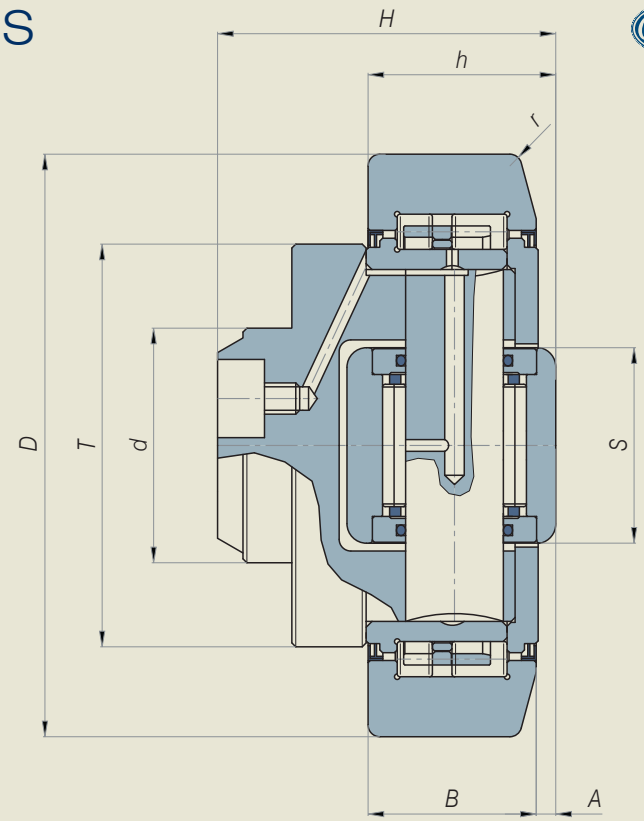
COMBINATION BEARINGS FOR HIGH SPEED

Combination bearings for high speed maintain the same technical characteristics as fixed combination bearings.

They are provided with bronze cages both in the radial and in the axial part, therefore they can rotate at a high number of revolutions.

They are provided also with Viton seals, so that they can bear heavy working conditions and high temperatures.



SPECIAL ORDER ITEM

Part Number	d	T	D	H	h	B	A	S	r	C	C_o	C_a	C_{oa}
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	KN	KN
CG4.235-89	45	59	88.9	57	44	30	3.5	26	3	46.6	50	26	32.2
CG4.227-108	60	71	107.7	69	55	31	4	34	5	76	90	30	32
CG4.228-123	60	80	123	72.3	56	37	5	40	5	106	120	42	46
CG4.229-149	60	108	149	86	67	45	5	50	3	129	180	62	70
CG4.230.185	80	120	185	90.5	76	55	7	65	7,5	170	250	80	104

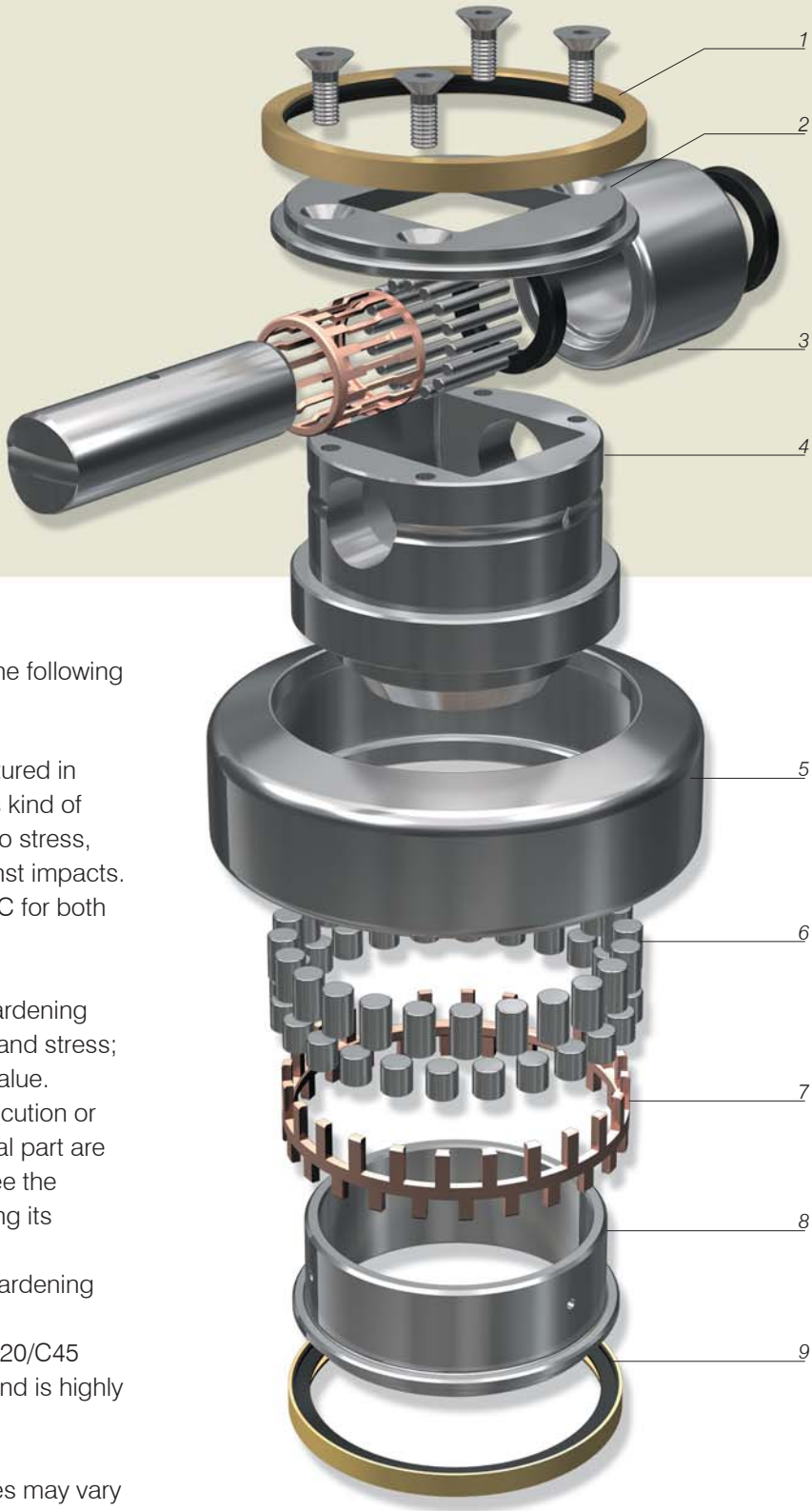
THE BEARINGS CAN BE SUPPLIED WITH ZRS OR ZZ SEALS.

C : Dynamic load *C_o : Static load* *C_a : Dynamic axial load* *C_{oa} : Static axial load*

The bearings are supplied with lubrication hole.

COMBINATION BEARINGS **FOR** HIGH **SPEED**

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



Combination bearings for high speed have the following technical characteristics:

- Outer ring and little axial roll 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.
- The seals in the radial part are in ZRS execution or ZZ execution whereas the seals in the axial part are in Viton. This is made in order to guarantee the protective device to the bearing also during its working at high temperature.
- The lateral thrust cover is made 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.
- The cages inside radial and axial part are manufactured in bronze. Radial clearances may vary from CN to C3.