

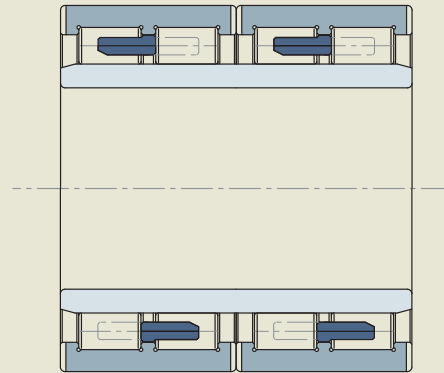
# MULTIROLL BEARINGS



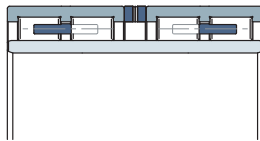
Four-row cylindrical roller bearings are generally used on the neck of milling cylinders, calenders and rolling presses. They are particularly suitable on high speed steel mills.

Thanks to the high quantity of rolling raceways, the radial load capacity is extremely high. Four-row cylindrical roller bearings are dismountable, that is to say, the outer ring and the cages form a unique body named "R" and can be fixed independently from the inner ring, named "L". This makes the assembling and the maintenance of milling plant easier.

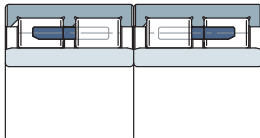
This series of bearings is available with different designs, according to specifications, application conditions and maintenance. They differ from each other in the shape and in the number of parts.



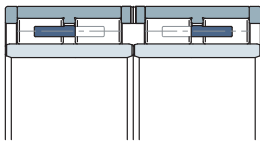
*Execution ECR 1*  
Two outer rings, each with three entire borders. One inner ring. Two massive side-to-side bronze cages, guided on rolls. With or without grooves and lubrication holes on the outer ring.



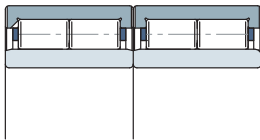
*Design ECR 2*  
As ECR1, but with an intermediate distance ring between the outer rings.



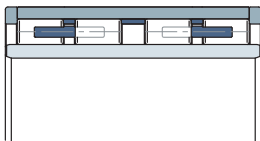
*Design ECR 3*  
Two outer rings, each with three central entire borders. Two inner rings. Two massive side-to-side bronze cages, guided on rolls. With or without grooves and lubrication holes on the outer ring.



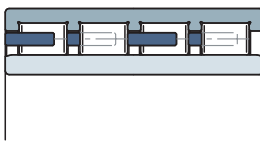
*Design ECR 4*  
Two outer rings, each with one central entire border and one inserted border; one intermediate distance ring. Two inner rings. Two massive side-to-side bronze cages, guided on rolls. With or without grooves and lubrication holes on the outer ring.



*Design ECR 5*  
Two outer rings, each with two entire borders. Two inner rings. Two massive bronze cages with millings, for both rows of rollers.



*Design ECR 6*  
One outer ring with three guide inserted rings and two inserted borders. One inner ring. Two massive side-to-side bronze cages. With or without grooves and lubrication holes on the outer ring.



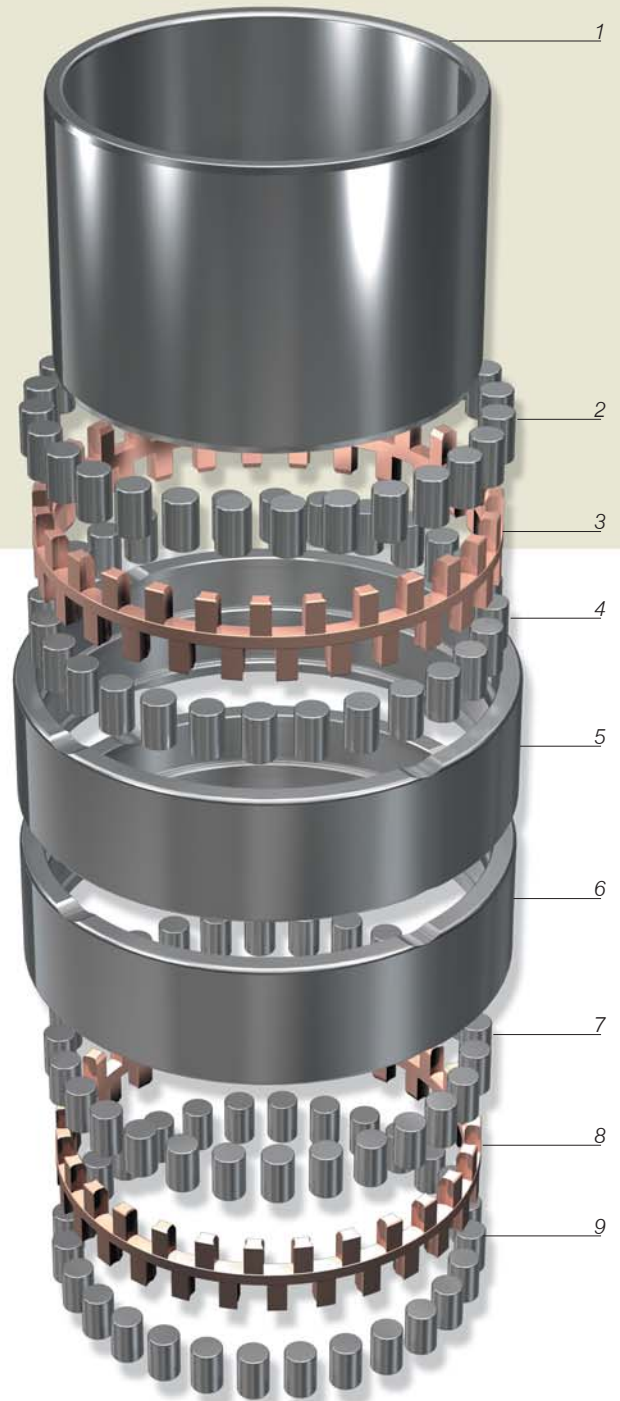
*Design ECR 7*  
One outer ring with five inserted borders. One inner ring. Four massive rack-tooth bronze cages, guided on rolls. With or without grooves and lubrication holes on the outer ring.



# MULTIROLL BEARINGS



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1. *INNER RING*
  2. *CYLINDRICAL ROLLERS*
  3. *CAGE*
  4. *CYLINDRICAL ROLLERS*
  5. *OUTER RING*
  6. *OUTER RING*
  7. *CYLINDRICAL ROLLERS*
  8. *CAGE*
  9. *CYLINDRICAL ROLLERS*
- 



Multiroll cylindrical roller bearings have the following technical features:

- Outer and inner rings are mainly supplied in UNI 100Cr6/100CrMo7 core hardened steel and reach hardness 60-2 HRC.
- Also thrust rings and distance rings are manufactured in UNI 100Cr6 steel. Cages are supplied in bronze; sometimes, for some particular applications, they can be made in steel.
- Four-row cylindrical roller bearings are manufactured in P6/P5 precision class. Radial clearance is generally executed in C3 or C4.
- Multiroll bearings undergo stabilization treatment, which allows their use with temperatures up to 150° C, without any particular dimensional change. On request, stabilized bearings for working temperature up to 250° C can be supplied.