

KINEX BEARINGS
BEARINGS FOR AUTOMOTIVE INDUSTRY



GLOBAL PLAYER IN THE FIELD
OF AUTOMOTIVE INDUSTRY



OEM & AFM CUSTOMERS

John Deere (FRA), Pierburg (FRA/ITA), Bugatti (ITA), TZA (RUS), Kamaz (RUS), Dolz (ESP), VMG (ARG), Kirpart (TUR), GAZ (RUS), KSPG (BRA), Metelli (ITA), Melling (BRA), Concentric (IND), GEBA (GER), Equipo (ARG), TCG Unitech (AUT), GPM (DE), UAZ (RU), Mack Truck (USA), O.M.P. (ITA), Mark Water Pumps (UK)



AUTOMOTIVE BEARINGS

KINEX BEARINGS offers a group of standardised and special bearings used in the arrangements of individual aggregates of motor vehicles. The rolling bearings are assigned for OEM customers and reparation in passenger cars, trucks and tractors.

KINEX BEARINGS success is based on the superior quality of the products and production process, great innovative force and its ability to react quickly to customers special requirements. Company currently supplies more than 5000 applications of single row ball bearings, cylindrical roller bearings and special double row bearings into automotive sector. The innovative force is based on employees experiences, knowledge and cooperation with universities. Method such as virtual simulation, production prototypes for functional test and own testing stands reduce development times and ensure the highest possible quality products.



THE PRODUCT PORTFOLIO

- › single-row ball bearings
- › single-row cylindrical roller bearings
- › special double row bearings type „R“
- › special double row bearings type „K“
- › special single-row cylindrical roller bearings
- › special single-row ball bearings



APPLICATION OF BEARINGS

- › in passenger cars, trucks and tractors
- › arrangement of the shaft gearboxes
- › gearboxes
- › water pumps
- › transmissions
- › final drives
- › engines
- › accessories

OEM & AFM REFERENCES

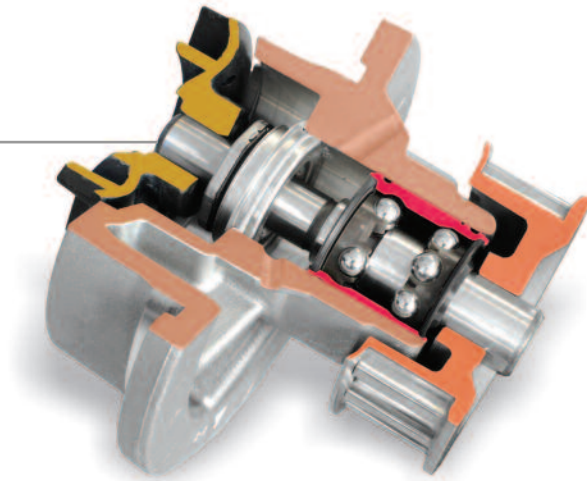
- | | | |
|------------|--------------|------------|
| Alfa Romeo | Aston Martin | Audi |
| BMW | Citroën | Fiat |
| Ford | Honda | Hyundai |
| Chrysler | Iveco | Jeep |
| John Deere | Kamaz | KIA |
| Lada | Lancia | Land Rover |
| Lexus | Mack | Mazda |
| Mercedes | Mitshubishi | Nissan |
| Opel | Peugeot | Porsche |
| Renault | Dacia | Rover |
| Seat | Škoda | Suzuki |
| Subaru | Toyota | Volkswagen |
| Volvo | | |



EVERYTHING IN HOUSE

DEVELOPMENT

- › Concept
- › Lifetime calculations
- › Simulations
- › Final design



TESTING

- › Durability testing
- › Leakage testing
- › Sealing testing
- › Engine simulation testing



MATERIAL LABORATORY

- › Microstructure
- › Microhardness
- › Hardness
- › Chemical composition

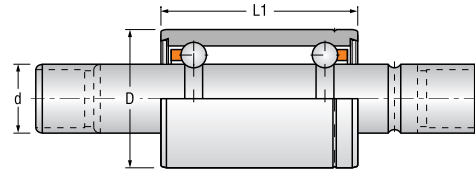
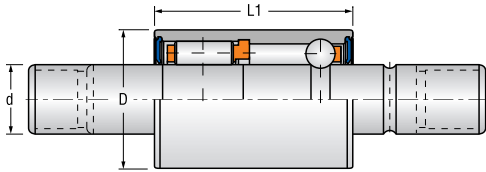


PRODUCTION

- › Tooling
- › Turning
- › Heat treatment
- › Grinding
- › Superfinishing
- › Automatic assembly



WATER PUMP



Special double-row bearings type „R“

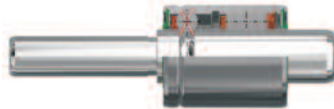
D (mm)	L1 (mm)	d (mm)
24	26.9	12.008
28	20.0–27.0	17.200
30	27.0–52.0	15.000
30	22.9–52.0	15.918
30	27.0–52.0	16.000
30	27.0–52.0	17.200
30.254	38.9–52.0	15.918
35	38.9–56.0	18.961
36	40.0–56.0	18.961
38	41.1–54.1	18.961
40	38.9–52.5	18.961
40	38.9–52.5	20.000
41	38.9–52.5	20.000
42	32.0–52.5	20.000
47.587	69.85	25.362
47.625	54.1–69.9	25.400
52	53.5	25.000
55	60.0–75.0	25.000

Special double-row bearings type „K“

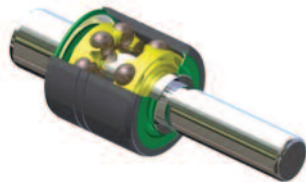
D (mm)	L1 (mm)	d (mm)
24	19.9–33.5	12.000
26	30.0–40.0	12.000
28	20.0	15.918
30	22.0–59.0	15.000
30	22.0–59.0	15.918
30	22.0–59.0	16.000
30	22.0–59.0	17.200
32	45.0	16.000
34	30.0–47.0	17.000
35	29.9–46.0	15.918
35	29.9–54.0	16.000
35	29.9–56.0	17.500
36	30.0–60.0	16.000
36	30.0–60.0	17.000
36	30.0–60.0	18.961
36	30.0–60.0	20.000
38	38.9–58.0	18.961
40	38.9–62.0	15.918
40	42.0–62.0	17.000
40	42.0–62.0	18.961
40	24.0–25.0	19.012
40	42.0–62.0	20.000
40	22.0	24.500
42	42.0–46.0	16.000
42	39.0	18.961
42	42.0–46.0	20.000
42	32.0	22.000
47	30.0–75.0	20.000
47	30.0–75.0	25.400
52	59.0	25.061
56	70.0	25.000

TECHNICAL ALTERNATIVES OF WATER PUMP BEARINGS

➤ 4-point contact bearings



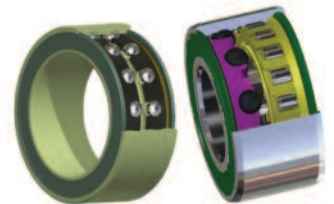
➤ asymmetric bearings



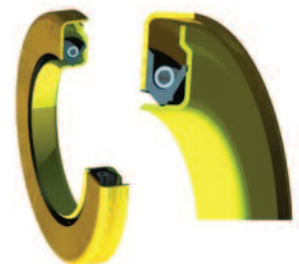
➤ bearings with triple lips seal



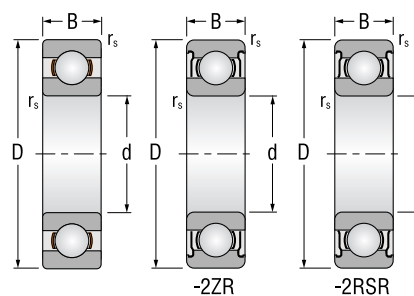
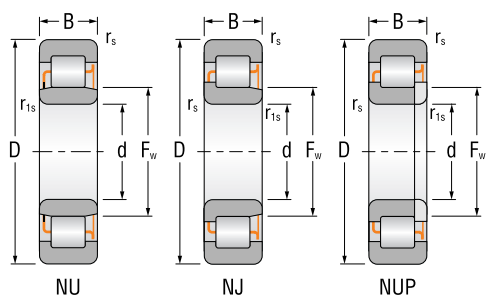
➤ special double row bearings



➤ special seal bearings



ACCESSORY



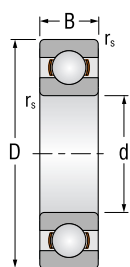
Cylindrical roller bearings

d (mm)	D (mm)	B (mm)
15	35	11
20	47-52	14-18
25	52-80	15-21
30	62-90	16-23
35	72-100	17-25
40	80-110	18-27
45	85-120	19-29
50	90-130	20-31
55	90-140	18-33
60	95-150	26-35
65	120-160	23-37
70	125-180	24-42
75	105-190	19-45
80	125-200	22-48
85	130-210	22-52
90	160-225	30-54
95	170-240	32-55
100	180-250	34-58

Single-row deep groove ball bearings

d (mm)	D (mm)	B (mm)
20	52	15
25	47-62	8-17
30	55-72	9-19
35	62-80	9-21
40	68-90	9-23
45	75-100	10-25
50	80-130	10-31
55	90-120	11-29
55	90	18
65	100-120	11-23
70	110-125	13-24
75	115-130	13-25
80	125-140	14-28
85	130-150	14-28
90	140-160	16-30
95	145-170	16-32

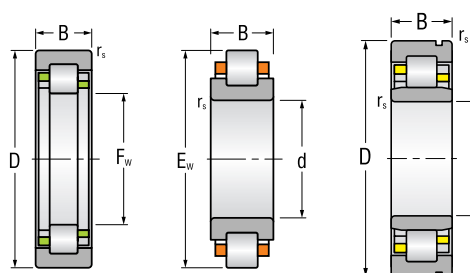
DRIVETRAIN



Single-row ball bearings

d (mm)	D (mm)	B (mm)	r _s min
20	42	8	0.3
25	47	8	0.3
25	47	8	0.3
35	72	17	1.1
40	80	18	1.1
40	80	18	1.1
45	75	16	1.1
45	85	19	1.1
45	85	19	1.1
50	90	20	1.1
50	90	20	1.1
55	90	18	1.1

TRANSMISSION

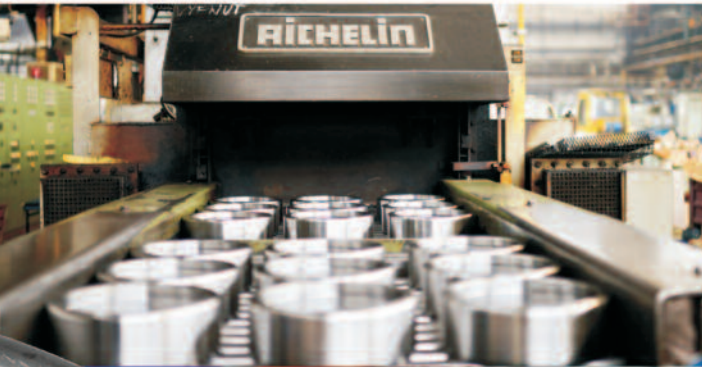


Special single-row cylindrical roller bearings

d (F _w) (mm)	D (E _w) (mm)	B (mm)
20.0-24.2	35.5-46.97	14.0-17.0
25.0-27.5	54.0-66.0	16.0-17.0
30.0-35.0	60.0-80.0	18.0-26.0
40.0-50.0	60.0-81.357	15.0-24.75



YOUR PARTNER FOR INDUSTRY



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