

In stock &
available now!

FAG



FAG Deep Groove Ball Bearings

Outstanding Performance & Value - Proven Schaeffler Quality

PRODUCT FEATURES

- Enhanced ball & raceway surfaces for superior performance
- Sealed and shielded bearings supplied with low-noise Mobil Polyrex™ EM (L038) grease as standard
- C Normal and C3 clearances in stock
- Choice of sealing types:
 - RSR contact seal: excellent balance between friction and sealing efficiency
 - Z shield: economical non-contact sealing alternative
- Choice of material:
 - Steel
 - Stainless steel (S6xxx)
- Current-insulated versions available for maximum protection against electrical fluting:
 - Ceramic-coated rings (J20 suffix)
 - Ceramic balls (HC6xxx)

CUSTOMER BENEFITS

- Great value with premium Schaeffler quality
- Perfect for high-speed applications
- Ideal for electric motors, generators, pumps, compressors, blowers, fans, food processing equipment
- Long service life
- Low noise
- Available from stock



SCHAEFFLER



62 03-2RSR-L038-C3

PREFIXES

No prefix	Steel balls
S	Stainless steel
HC	Ceramic balls

SERIES

60	Extra light
62	Light
63	Medium
64	Heavy

BORE DIAMETER

00	10 mm
01	12 mm
02	15 mm
03	17 mm
04-96	Bore reference x5 (mm)

SEALING & SHIELDING

No suffix	Open bearing
Z	1 metal shield
2Z	2 metal shields
RSR	1 rubber seal (contact)
2RSR	2 rubber seals (contact)

RADIAL CLEARANCE CLASS

C2	Smaller than CN
CN	No suffix
C3	Greater than CN
C4	Greater than C3
C5	Greater than C4
Rxx-xx	Special radial clearance

GREASE CODES

L038	Polyrex EM
No suffix	Standard grease per plant
No suffix (Joplin)	L038
Lxxx	Other grease upon request

CURRENT INSULATED

J20AA	Ceramic-coated outer ring
J20C	Ceramic-coated inner ring

CAGE DESIGN

No suffix	Standard pressed steel
M	Machine brass, ball guided
MA	Machine brass, outer ring guided
TVH	Glass fiber reinforced polyamide

Grease

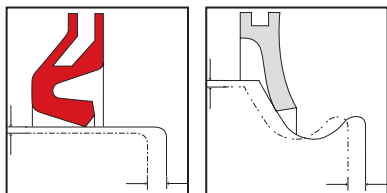
L038 = Mobil Polyrex™ EM grease
N.A. standard for electric motors

Standard grease in Joplin, USA
Mobil Polyrex EM grease (no suffix)

6203-2RSR-L038-C3
Korean produced - non-standard for plant,
L038 = Mobil Polyrex EM grease.

6315-2RSR-C3
Produced in Joplin, USA – Mobil Polyrex
EM grease is standard grease for Joplin.

Comparison between FAG RSR seal and conventional seal



Features	FAG RSR Seal	Conventional Seal
Seal operates on ground surface	Yes	No
Positive contact with any axial movement of race	Yes	No
Constant running torque	Yes	No
Prevents ingress of contamination	Yes	Moderate

Seals vs. Shields



Sealing Effect	RSR Seal	Z Shield
Grease retention	Suitable	Suitable
Dust, dry contamination	Suitable	Less suitable
Moist atmosphere	Suitable	Less suitable
Occasional splashes	Suitable	Unsuitable
Rotating outer ring	Suitable	Unsuitable
Slight pressure differences	Suitable	Unsuitable

For more information:

Tel: 888-462-8227
Email: info.us@schaeffler.com
www.schaeffler.us

SCHAEFFLER

