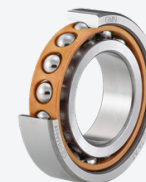


Angular Contact Bearing Sizes & Available Options

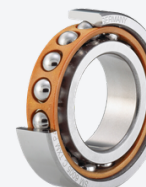
Bore Code (ID mm)	GMN 618xx ISO 18	GMN 619xx ISO 19		GMN 60xx ISO 10		GMN 62xx ISO 02	
		Standard	-2RZ Options	Standard	-2RZ Options	Standard	-2RZ Options
5 (5 mm)		S		S, SM		S	
6 (6 mm)		S		S, SM		S	
7 (7 mm)		S		S, SM		S	
8 (8 mm)		S		S, SM			
9 (9 mm)		S		S, SM		S	
00 (10 mm)	S	S, SM, KH	KH	S, SM, KH	KH	S	
01 (12 mm)	S	S, SM, KH	KH	S, SM, KH	KH	S	
02 (15 mm)	S	S, SM, KH	KH	S, SM, KH	KH	S	
03 (17 mm)	S	S, SM, KH	KH	S, SM, KH	S, SM, KH	S	
04 (20 mm)	S	S, SM, KH	KH	S, SM, KH	S, SM, KH	S	
05 (25 mm)	S	S, SM, KH	KH	S, SM, KH	S, SM, KH	S	
06 (30 mm)	S	S, SM, KH	S, SM, KH	S, SM, KH	S, SM, KH	S	
07 (35 mm)	S	S, SM, KH	S, SM, KH	S, SM, KH	S, SM, KH	S	
08 (40 mm)	S	S, SM, KH	S, SM, KH	S, SM, KH	S, SM, KH	S	
09 (45 mm)		S, SM, KH	S, SM, KH	S, SM, KH	S, SM, KH	S	
10 (50 mm)		S, SM, KH	S, SM, KH	S, SM, KH	S, SM, KH	S	
11 (55 mm)		S, SM, KH	S, SM, KH	S, SM, KH	KH	S	
12 (60 mm)		S, SM, KH	KH	S, SM, KH	KH	S	
13 (65 mm)		S, SM, KH	KH	S, SM, KH	KH	S	
14 (70 mm)		S, SM, KH	KH	S, SM, KH	KH		
15 (75 mm)		S, SM		S, SM			
16 (80 mm)		S, SM		S, SM, KH	KH		
17 (85 mm)		S, SM		S, SM			
18 (90 mm)		S, SM		S, SM, KH	S, SM, KH		
19 (95 mm)		S, SM		S, SM			
20 (100 mm)		S, SM		S, SM, KH	KH		
21 (105 mm)		S, SM		S, SM			
22 (110 mm)		S, SM		S, SM			
23 (115 mm)							
24 (120 mm)		S, SM		S, SM			

All GMN bearing series are available with ceramic balls (Hybrid).



Bearing Series S

Load Capacity: +++
 Speed Capability: +
 Contact Angle: 15° - 25°



Bearing Series SM

Load Capacity: ++
 Speed Capability: ++
 Contact Angle: 15° - 19°



Bearing Series KH

Load Capacity: +
 Speed Capability: +++
 Contact Angle: 17° - 25°

Angular Contact Bearing Cage Options

Other cage materials, types, special treatments (e.g. TB, brass, Torlon, stainless steel, bronze, etc.) are available on request.

TA Cage



Material

Laminated phenolic resin
Phenolic resin with fine mesh cotton webbing

Permissible operating temperature
120°C (248°F)

Cage guidance
On outer ring

Fabrication
Machining

Application
For S, SM, KH series
General purpose

Characteristics
Low friction coefficient,
For oil and grease lubrication

TXM Cage



Material

Partially crystalline high performance plastic
PEEK (polyether ether ketone),
carbon fiber reinforced

Permissible operating temperature
250°C (482°F)

Cage guidance
On outer ring, ball retaining

Fabrication
Injection molding

Application
For S, SM series
Optimized for grease lubrication

Characteristics
Low friction coefficient,
Reduces/eliminates cage vibrations
Great mechanical, chemical & thermal stability



TXM Cage Advantages

- ✓ High resistance to wear
- ✓ Outstanding emergency operating characteristics due to favorable sliding properties and reduced rubbing force
- ✓ Reduced operating temperature due to lower friction and more favorable tribology
- ✓ Constant grease lubrication due to the formation of grease reservoirs in provided cage pockets
- ✓ Long service life
- ✓ Increased cost effectiveness