

Experts in Bearing Solutions



Fersa Solutions

Chinese Manufacturers



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www.fersa.com

Fersa Solutions



The “Fersa Solution” is our full service approach for bearings for specific applications such as wheel-ends, differentials and gear-boxes for most commercial vehicles. Fersa bearings are manufactured to OEM specifications; starting with the specifications of the raw material to the heat treatment processes, as well as optimized design features.

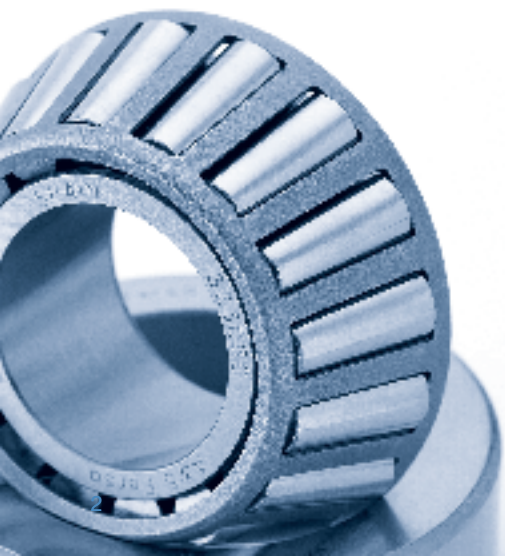
SPECIAL HEAT TREATMENT FOR BEARINGS

Optimized material composition for enhanced service life.

All Fersa bearings undergo a special type of Through Hardening heat treatment. The hardening process includes austenization and quenching in a carbon neutral atmosphere. This provides an elevated tensile strength -throughout the part- after quenching, which is then tempered to increase the ductility and toughness.

Fersa’s added value offer is...

Increased bearing service life and delaying the maintenance of the vehicle.





OPTIMIZED PROFILES FOR EVERY APPLICATION

OEMs and Tier1 manufacturers know that bearings are a vital element of the drivetrain system. It needs to perform flawlessly under the most critical working conditions. Fersa bearings are designed for heavy duty applications, thus have to withstand very demanding loads. All the bearings that Fersa manufactures, be it for: wheel hub units, wheel-ends, differentials, as well as transmissions feature specific internal geometry, as complex profiling and low roughness.

Fersa's added value offer is...

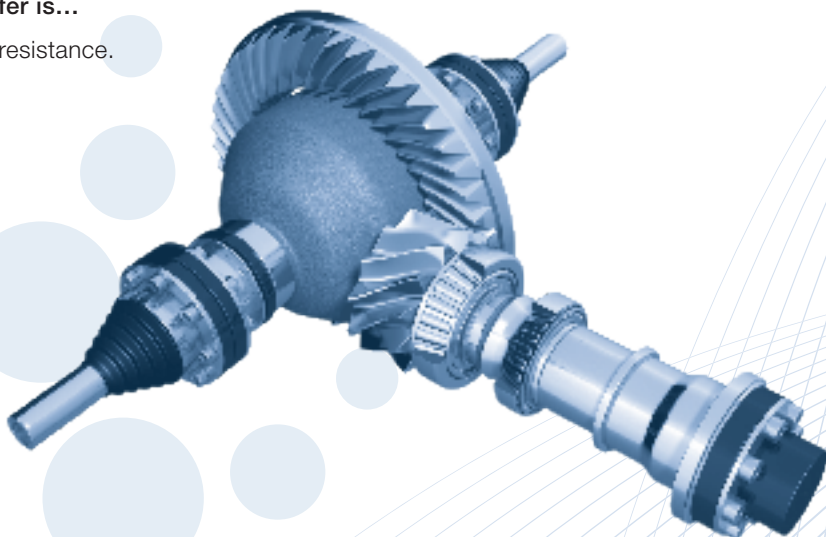
Extending bearing wear resistance.

REDUCED SPACER RANGE FOR PINION APPLICATIONS

Fersa bearings for pinion applications are manufactured according to the toughest OEM specifications, with tighter width tolerances in the back face.

Fersa's added value offer is...

Reducing the number of attempts for proper spacer selection during assembly and ensuring an optimum (tighter) pinion preload setting. The final process assembly time is reduced, cost savings are considerably increased.



Catalog Instructions

Wheel page layout



	Axle Model	Axle Position	Axle Information	Bearing Position		
			N° chassis // Axle load // Wheel type			
Brand	MERCEDES BENZ					
Model	ATEGO 814, 814 L, 815, 815 L, 817, 817 L					
Application	VL 2/22 DC-3,1	FA	SA 504304 01		32306 F	33208 F
		FA	SA 504304 01, SA 504304 30			
		FA	SA 504304	F 15120	33207 F	39590/39520
		FA	SA 504304 87			
	HL 4/40 DC-7	RA		33017 F		33208 F
	ATEGO Construction 815 F					
	VL 2/21 DC-3,5	FA	SA 504304 01		32306 F	39580/39520
	VL 2/21 DC-3,5	FA	SA 504304 01, SA 504304 30			663/653
	VL 2/21 DC-3,5	FA	SA 504304 30		33207 F	

How to use the catalog

Find the bearing that corresponds to the model and application:

- A** Select the vehicle type.
- B** Find the vehicle brand name.
- C** Find the model.
- D** Check that the additional information corresponds to the application.
- E** Select the axle model.
- F** Select the axle position.
- G** Check the axle additional information.
- H** Select the needed bearing according to its position.

Symbols & Nomenclatures

Nomenclatures	
Z	Shield on one side
ZZ	Shield on both sides
RS	Rubbing seal on one side
2RS	Rubbing seals on both sides
M	Machined brass cage
N	Snap ring groove in outer ring
NR	Snap ring groove and snap ring in outer ring
C3	Internal clearance greater than normal

Abbreviations	
FA	Front axle
LA	Leading axle
RA	Rear axle
TA	Trailing axle
TRA	Trailer axle

Symbols			
	Differential		Axle position
	Gearbox		Information
	Wheel		WHU (Wheel Hub Unit)
	Trailer		Inboard
	Truck		Outboard
	Bus		
	OEM cross references		

福赛解决方案



“福赛解决方案”是我们为商用车轮端、差速器、变速箱等特殊应用提供的全方位服务包。福赛轴承从最优化设计到原材料规格，到热处理，全部是按照OEM的要求生产的。

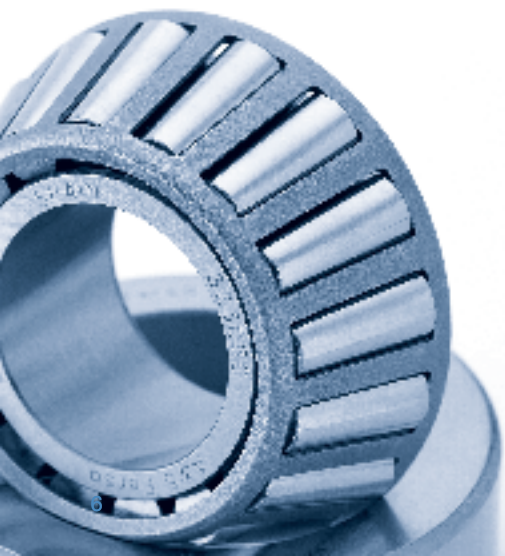
特殊的轴承热处理

最优化的原材料元素结构保障超长的使用寿命。

所有的福赛轴承均经过特殊的全淬透热处理。热处理过程包括了奥氏体化，碳势有效控制下的淬火，这一过程从内至外彻底地提高了轴承的抗张强度，然后回火提高延展性及柔韧性。

福赛产品的附加值在于：

更长的使用寿命与更长的车辆保养公里数。





所有产品全面优化的滚道轮廓

作为OEM/T1市场的供应商我们深知轴承是动力传输系统中至关重要的一环，它需要在最艰难的工作环境中完美地工作。福赛轴承是专为重载设计，因此能够承受极大的载荷。福赛的产品应用范围是：轮毂单元，轮端，差速器，传动装置等，福赛轴承具有特定的内部几何结构，复杂的轮廓及超低的粗糙度。

福赛产品的附加值在于：

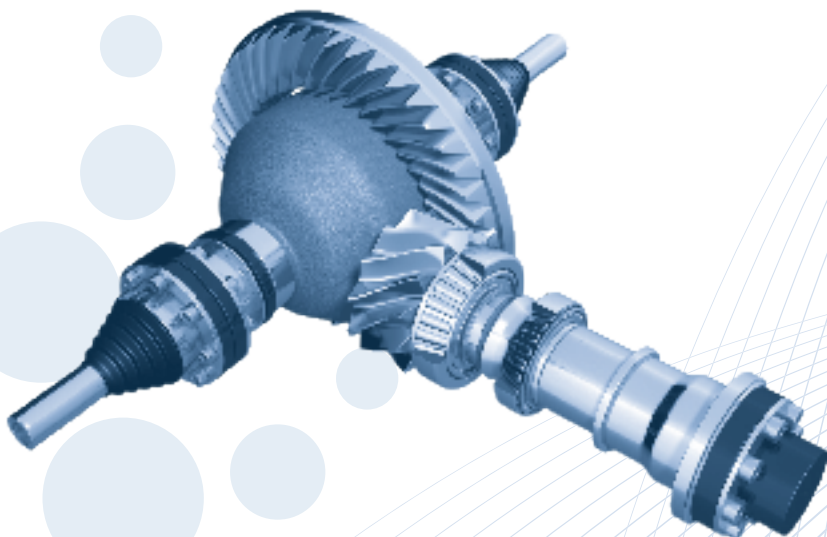
更强的轴承耐磨性。

减少主动小齿轮应用中的垫片数量

应用在主动小齿轮应用上的福赛轴承均依据最严苛的OEM标准制造，有着更为严格的宽度公差。

福赛产品的附加值在于：

在组装时有效减少垫片的数量，并保证最佳的主动小齿轮预紧力设定。由此缩短组装时间，显著降低成本。



目录简介

车轮页面



	车桥模型	车桥位置	车桥信息	轴承位置		
			N° chassis // Axle load // Wheel type			
品牌	MERCEDES BENZ					
型号	ATEGO 814, 814 L, 815, 815 L, 817, 817 L					
应用	VL 2/22 DC-3,1	FA	SA 504304 01		32306 F	33208 F
		FA	SA 504304 01, SA 504304 30			
		FA	SA 504304		33208 F	39590/39520
		FA	SA 504304 87	F 15120		
	HL 4/40 DC-7	RA		33017 F		33208 F
	ATEGO					
	VL 2/21 DC-3,5	FA	SA 504304 01			815 F
	VL 2/21 DC-3,5	FA	SA 504304 01, SA 504304 30			39580/39520
	VL 2/21 DC-3,5	FA	SA 504304 30		33207 F	663/653

怎样使用目录

找到与应用、车桥型号相对应的轴承

- A 选择车辆种类
- B 找到车辆品牌名称
- C 找到车辆型号
- D 检查其他信息是否与应用相对应
- E 选择车桥型号
- F 选择车桥位置
- G 检查车桥其他信息
- H 根据位置选择所需轴承

符号和名称

名称			
Z	单面防尘盖		
ZZ	双面防尘盖		
RS	单面密封圈		
2RS	双面密封圈		
M	机制铜保持器		
N	外圈止动槽		
NR	外圈止动槽及卡环		
C3	大游隙		
缩写			
FA	前桥		
LA	驱动桥		
RA	后桥		
TA	从动轴		
TRA	拖车轴		
符号			
	差速器		车桥位置
	变速箱		信息
	车轮		轮毂单元
	拖车		内侧
	卡车		外侧
	巴士		
	OEM 号		

01

Wheel 车轮

Model	Pag
	
东风 DFMC	
EQ1061	
EQ1094	
EQ1108	
EQ1141	
EQ1150	
EQ1208	
EQ1242	
解放 FAW	
J5K	

Model	Pag
	
安凯 ANKAI	
12 米	
厦门金旅 GOLDEN DRAGON	
10 米	
北方尼奥普兰 NORTH NEOPLAN	
BFC6125	
西沃 SILVER BUS	
B7R	
B10M	
厦门金龙 XIAMEN KINGLONG	
XMQ6118	
金华青年 YOUNG MAN	
公交线系列 CENTRO LINER	
公路线系列 ROAD LINER	
旅游线系列 TOUR LINER	
宇通 YUTONG	
10 米	
11 米	
12 米	



01 Wheel

车轮

			N° chassis // Axle load // Wheel type			
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东风 DFMC

EQ1061EQ1050G2AD, EQ1050G46D, EQ1061G2AD, EQ1061G46D3, EQ1061G46D4, EQ1071G2AD3, EQ1071G2AD4, EQ1081G2AD5, EQ1081G2AD3, EQ1081G2AD4, EQ1095G4, EQ5081XXY4, EQ5095XXY4					
	FA			33209 F	32306 F
	RA			33214 F	
EQ1061EQ1081G46D5, EQ1095G5, EQ5081XXY5					
	FA			33209 F	32306 F
EQ1094EQ1094F6D					
	FA			32311 F	32308 F
	RA			32217 F	32218 F
EQ1108EQ1118G19D16, EQ1118G6D16, EQ1118K53D16, EQ1118K6D16					
	FA				32309 F
EQ1141EQ1168G1, EQ1168G7D					
	RA			32217 F	31314 F
EQ1141EQ3141G7D, EQ4141G7D, EQ1141G7D					
	FA				30311 F
	RA			32218 F	32217 F
EQ1150EQ4165V					
	RA			32218 F	32217 F
EQ1208EQ3166G2					
	FA			30312 F	30310 F
EQ1208EQ1208G, EQ1208G1, EQ1208G2, EQ3208G, EQ3208G5					
	FA				30311 F
	RA			32218 F	32217 F
EQ1242EQ1242G, EQ1242G15, EQ1253V, EQ1254G, EQ1254V, EQ1254W2, EQ3242G, EQ3242G14, EQ3242G5, EQ3251G, EQ3254G, EQ3260G, EQ4242G, EQ4242G16, EQ4243, EQ4254G, EQ4256W, EQ5242XXY					
	RA			32218 F	32217 F

解放 FAW

J5KCA1083(4*2)					
	FA				32307 F
	RA			32214 F	



			N° chassis // Axle load // Wheel type			
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安凯 ANKAI

12 米				HFF6121WK08, HFF6122WK08	
	FA			33214 F	
	RA			33019 F	33117 F

厦门金旅 GOLDEN DRAGON

10 米				XML6108	
	FA	JY-30005		30313 F	30311 F
	RA	JY24XM2-00005		32218 F	32217 F

10 米				XML6108E2A, XML6108E2G, XML6108E3A, XML6108E3G	
	FA	JY-30005		30313 F	30311 F
	RA	JY24XM2-00005		32218 F	32217 F

北方尼奥普兰 NORTH NEOPLAN

BFC6125					
	FA			F 15051 C	32309 F
	RA			JM 822049/ JM 822010	32021 XF

西沃 SILVER BUS

B7R					
	FA			39580/39520	
	RA			HM 218248/ HM 218210	HM 220149/ HM 220110

B10M					
	FA			39580/39520	
	RA			HM 218248/ HM 218210	HM 220149/ HM 220110

厦门金龙 XIAMEN KINGLONG

XM6118					
	FA				3782/3720
	RA				580/572



01 Wheel

车轮

			N° chassis // Axle load // Wheel type			
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金华青年 YOUNG MAN

公交线系列 CENTRO LINER			JNP6120G, JNP6137G, JNP6137G-1		
	FA	RL-85/E		F 15051 C	32309 F
公路线系列 ROAD LINER			JNP6120K, JNP6120KE		
	FA	RL-85/E		F 15051 C	32309 F
	RA			JM 822049/ JM 822010	32021 XF
旅游线系列 TOUR LINER			JNP6120L/E		
	FA			F 15051 C	32309 F
	RA	南京创捷CH15HB			32218 F

宇通 YUTONG

10 米			ZK6100H, ZK6100HA, ZK6100HB		
	RA	东风 9.5 吨		32218 F	32217 F
11 米			ZK6110, ZK6113H-2, ZK6115H, ZK6115HW, ZK6118HA, ZK6118HB, ZK6118HC, ZK6118HWA, ZK6118HWC		
	FA	30JLSZ-00001A-B			30311 F
	RA	24R13CSZ-00001		32217 F	
11 米			ZK6119HA-2		
	FA	百特南汽153			30311 F
12 米			ZK6120HA, ZK6120HC-1, ZK6120HD, ZK6120HW, ZK6120HW-1		
	FA	30JLSZ-00001A-B			30311 F
	RA	24R13CSZ-00001		32217 F	
12 米			ZK6120HR, ZK6122H, ZK6122HW		
	FA				30311 F
	RA				32217 F
12 米			ZK6123H, ZK6123HW		
	FA	V9-75L-15		F 15051 R	32310 F
	RA	HOY-1175-01		F 15239	33019 F
	RA	HOY-1175-03	F 200004		





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