

Large Flanged Bearings



Flanged Ring 32mm ball (Metric Series)

Slewing rings for medium to heavy duty applications in a wide range of industries



The **F32 Metric Series** comprises a set of slewing rings of constant height (90mm) with a flanged cross section on one or both rings, and with external diameters ranging from 1100mm to 1600mm (standard) and . up to 2000mm to special order.

FUN 32 Series

FIG 32 Series

FEG 32 Series

Flanged **UN**geared bearings

Flanged Internal **G**ear bearings

Flanged External **G**ear bearings

Construction

Standard bearings incorporate plastic spacers, but ball spacers, steel or brass spacers, or even full complement or caged designs can be supplied for specific applications.

From 2015 all geared slewing rings will be manufactured in 42CrMo4 steel for superior gear strength

Seals

A land riding nitrile rubber seal strip is standard. VITON seals can be supplied to order.

Gearing

Standard metric spur gears with 20 degree pressure angle and no addendum correction.

Suitable pinions (as well as gearboxes and motors) can be specified and supplied.

American standard gearing can be supplied if required.

Lubrication

Bearings are assembled with a Lithium EP2 grease. Special greases can be supplied to order.

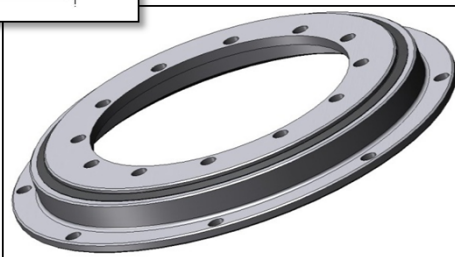
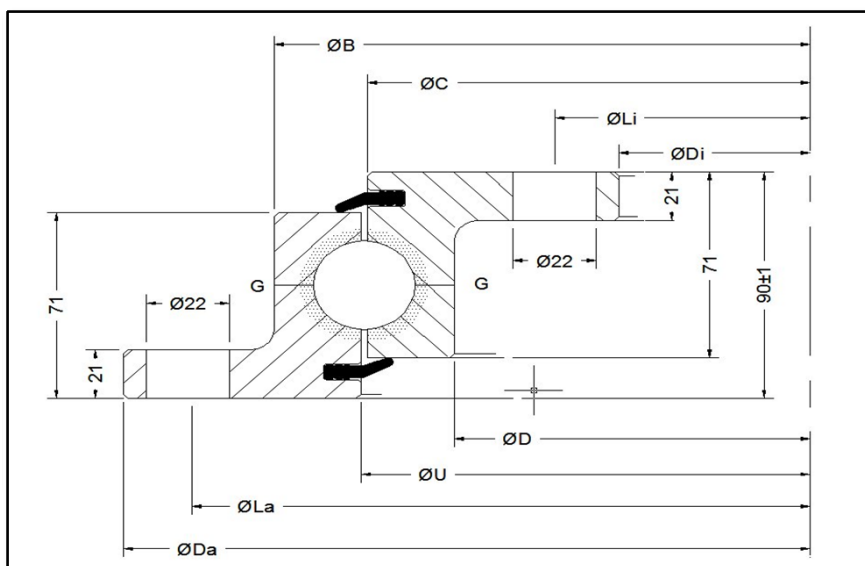
Custom options

- # double or custom drilling patterns
- # higher precision bearings with location diameters
- # zinc plating or painted finish for corrosion protection
- # reduced internal clearance

Applications

While a flange reduces the weight of the bearing, it also reduces its torsional stiffness and these bearings are thus best suited to applications where the load has no great eccentricity, but a larger bearing than the 20mm flanged series is required.

Flanged Ring 32mm ball Ungeared (Metric)



QCB Reference	Outline dimensions & weight							
	D _a	B	U	C	D	D _i	Load curve	Weight
	mm	mm	mm	mm	mm	mm		kg
FUN 1100 32 00 CC LM	1100	1017	955	955	893	805	8	131
FUN 1200 32 00 CC LM	1200	1117	1055	1055	993	905	9	145
FUN 1300 32 00 CC LM	1300	1217	1155	1155	1093	1005	10	159
FUN 1400 32 00 CC LM	1400	1317	1255	1255	1193	1105	11	172
FUN 1500 32 00 CC LM	1500	1417	1355	1355	1293	1205	12	186
FUN 1600 32 00 CC LM	1600	1517	1455	1455	1393	1305	13	200

Larger sizes to 2000mm by special offer only

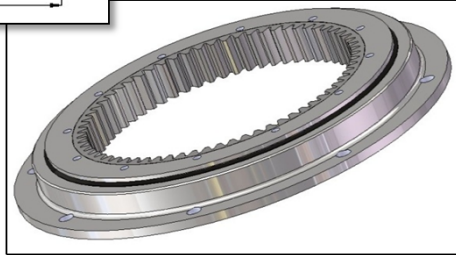
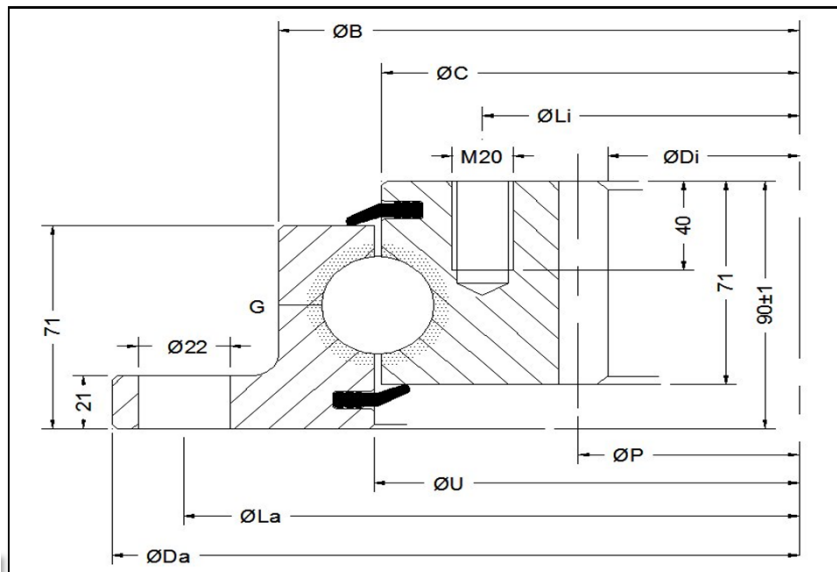
QCB Reference	Outer holes		Inner holes					
	L _a	n _a	L _i	n _i				
	mm		mm					
FUN 1100 32 00 CC LM	1060	30	845	30				
FUN 1200 32 00 CC LM	1160	30	945	30				
FUN 1300 32 00 CC LM	1260	36	1045	36				
FUN 1400 32 00 CC LM	1360	42	1145	42				
FUN 1500 32 00 CC LM	1460	42	1245	42				
FUN 1600 32 00 CC LM	1560	48	1345	48				

Larger sizes to 2000mm by special offer only

Standard grease fitting

at least 4-6 x M8 on inner and outer rings

Flanged Ring 32mm ball Internal Gear (Metric)



QCB Reference	Outline dimensions & weight							
	D _a	B	U	C	D	D _i	Load curve	Weight
	mm	mm	mm	mm	mm	mm		kg
FIG 1100 32 00 AA LM	1100	1017	955	955		912	8	159
FIG 1200 32 00 AA LM	1200	1117	1055	1055		912	9	176
FIG 1300 32 00 AA LM	1300	1217	1155	1155		1012	10	192
FIG 1400 32 00 AA LM	1400	1317	1255	1255		1112	11	208
FIG 1500 32 00 AA LM	1500	1417	1355	1355		1212	12	226
FIG 1600 32 00 AA LM	1600	1517	1455	1455		1310	13	243

Larger sizes to 2000mm by special offer only

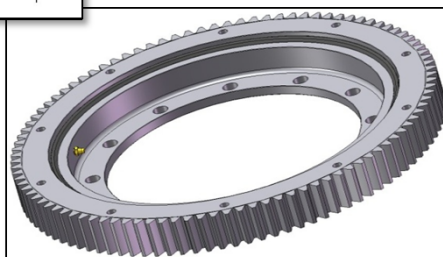
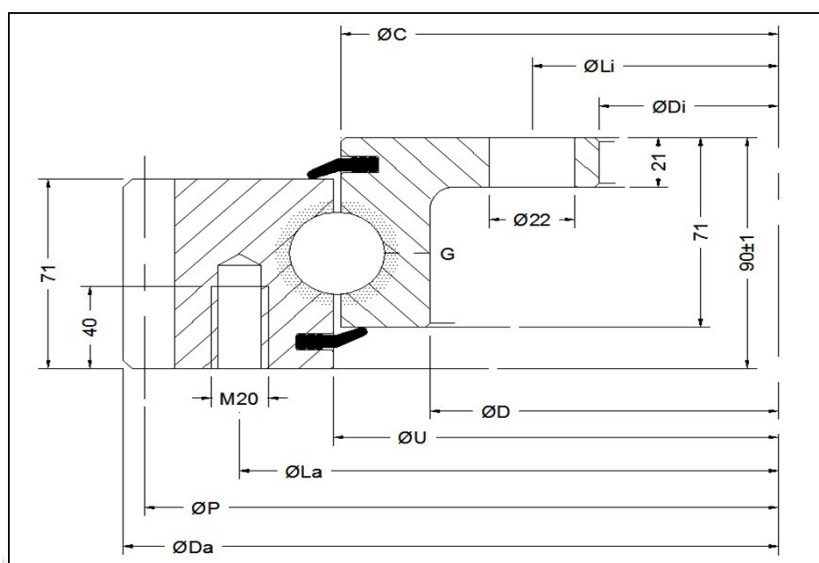
QCB Reference	Outer holes		Inner holes		20° spur gear			
	L _a	n _a	L _i	n _i	P	m	z	F _z MAX
	mm		mm		mm			KN
FIG 1100 32 00 AA LM	1060	30	894	30	830	10	83	84.2
FIG 1200 32 00 AA LM	1160	30	994	30	930	10	93	84.2
FIG 1300 32 00 AA LM	1260	36	1094	36	1030	10	103	84.2
FIG 1400 32 00 AA LM	1360	42	1194	42	1130	10	113	84.2
FIG 1500 32 00 AA LM	1460	42	1294	42	1230	10	123	84.2
FIG 1600 32 00 AA LM	1560	48	1394	48	1330	10	133	84.2

Larger sizes to 2000mm by special offer only

Standard grease fitting

at least 2-4 x M8 on outer ring

Flanged ring 32mm ball External Gear (Metric)



QCB Reference	Outline dimensions & weight							
	D _a	B	U	C	D	D _i	Load curve	Weight
	mm	mm	mm	mm	mm	mm		kg

FEG 1100 32 00 AA LM	1098		955	955	893	805	8	165
FEG 1200 32 00 AA LM	1200		1055	1055	993	905	9	183
FEG 1300 32 00 AA LM	1300		1155	1155	1093	1005	10	200
FEG 1400 32 00 AA LM	1400		1255	1255	1193	1105	11	216
FEG 1500 32 00 AA LM	1500		1355	1355	1293	1205	12	234
FEG 1600 32 00 AA LM	1600		1455	1455	1393	1305	13	250

Larger sizes to 2000mm by special offer only

QCB Reference	Outer holes		Inner holes		20° spur gear			
	L _a	n _a	L _i	n _i	P	m	z	F _z MAX
	mm		mm		mm			KN

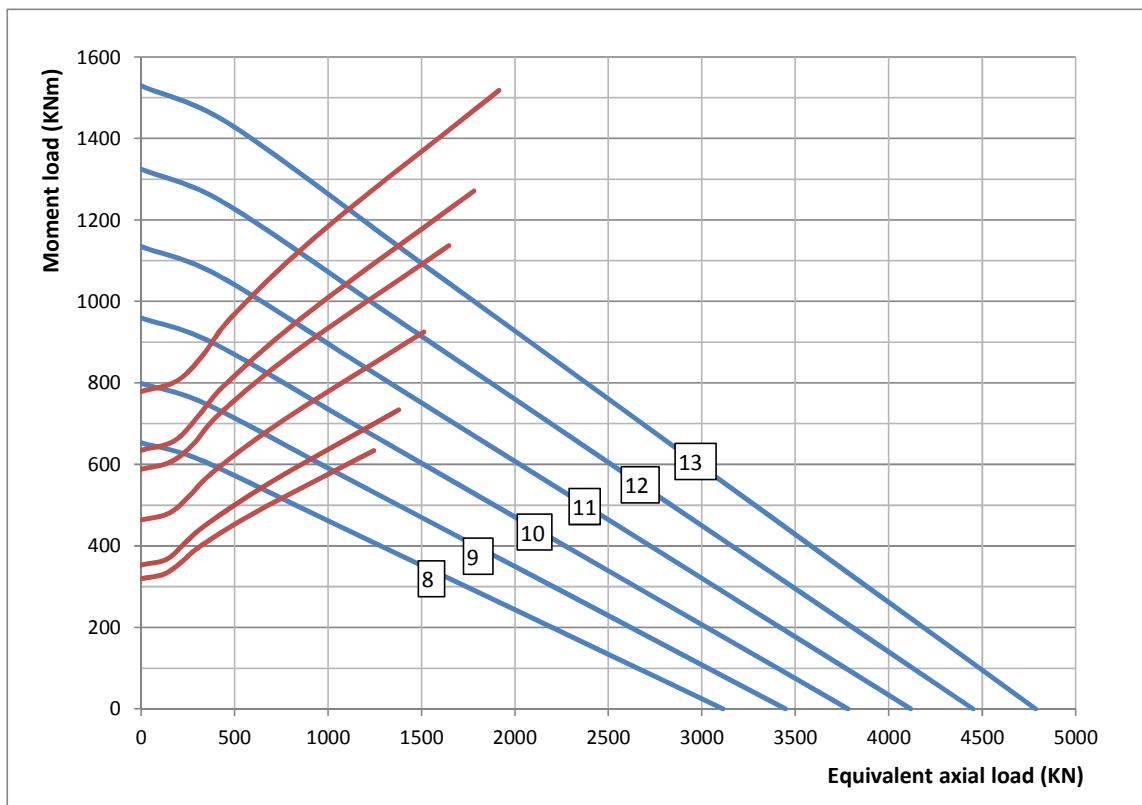
FEG 1100 32 00 AA LM	1016	30	845	30	1080	9	120	68.2
FEG 1200 32 00 AA LM	1116	30	945	30	1180	10	118	75.7
FEG 1300 32 00 AA LM	1216	36	1045	36	1280	10	128	75.7
FEG 1400 32 00 AA LM	1316	42	1145	42	1380	10	138	75.7
FEG 1500 32 00 AA LM	1416	42	1245	42	1480	10	148	75.7
FEG 1600 32 00 AA LM	1516	48	1345	48	1580	10	158	75.7

Larger sizes to 2000mm by special offer only

Standard grease fitting

at least 2 x M8 on inner ring

Flanged ring 32mm ball Static Load Curves



— Raceway load limit
— Bolt limit curve (Grade 8.8 bolts)