QCB Bearings

SLEWING RINGS & DRIVES

25mm Ball Bearings

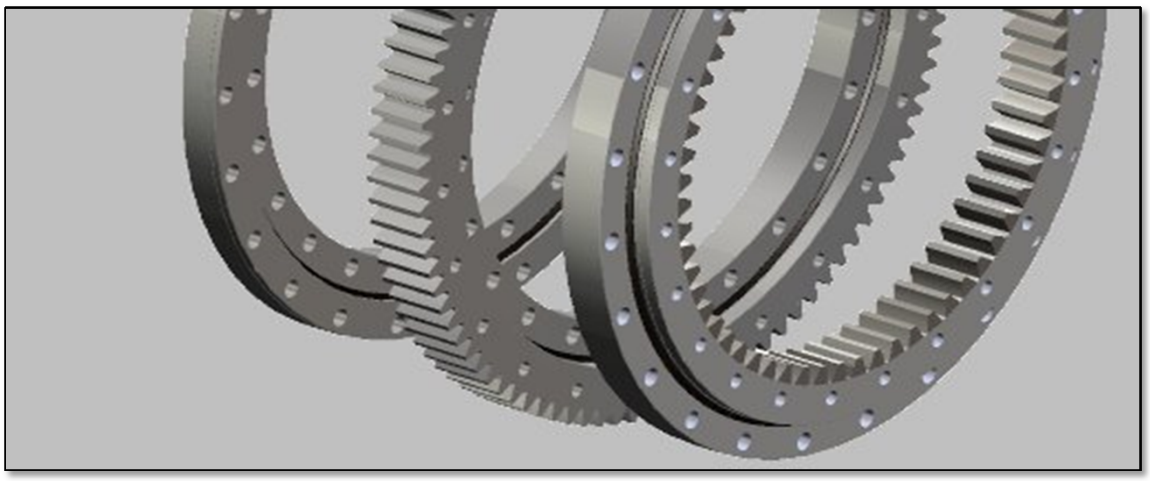


NBC GROUP LTD

Cat RS 2015 8E

Solid Ring 25mm ball Metric Series

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



Similar to the SUN20 Metric Series, the **SUN25 Metric Series** comprises a set of slewing rings of constant height (80mm) but featuring solid section rings and with external diameters ranging from 855mm to 1598mm.

SUN 25 Series	**S**olid **UN**geared bearings
SIG 25 Series	**S**olid **I**nternal **G**ear bearings
SEG 25 Series	**S**olid **E**xternal **G**ear bearings

Construction

Standard bearings incorpoarate a series of balls with plastic spacers, but ball spacers, steel or brass spacers or caged bearings can be supplied for specific applications.

All bearings are made in 42CrMo4 steel for superior gear strength.

Seals

Land riding Nitrile rubber seal strip are standard. VITON seals can be supplied to order.

Gearing

A feature of this series is the high gear module and wide gear face of the metric spur gears, offering designers maximum gear capacity in a small diameter ring. Suitable pinions (as well as gearboxes and motors) can be specified and supplied if required.

Lubrication

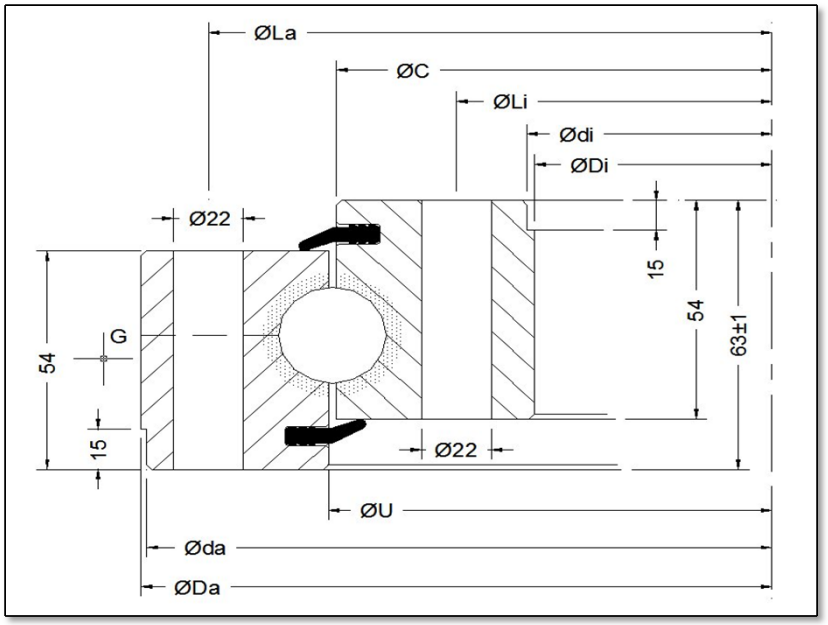
Bearings are assembled with a Lithium EP2 grease. Special greases can be supplied to order.

Custom options

non standard drilling patterns
reduced internal clearance / preload

QCB Bearings SLEWING RINGS & DRIVES

Solid Ring 25mm ball Ungeared



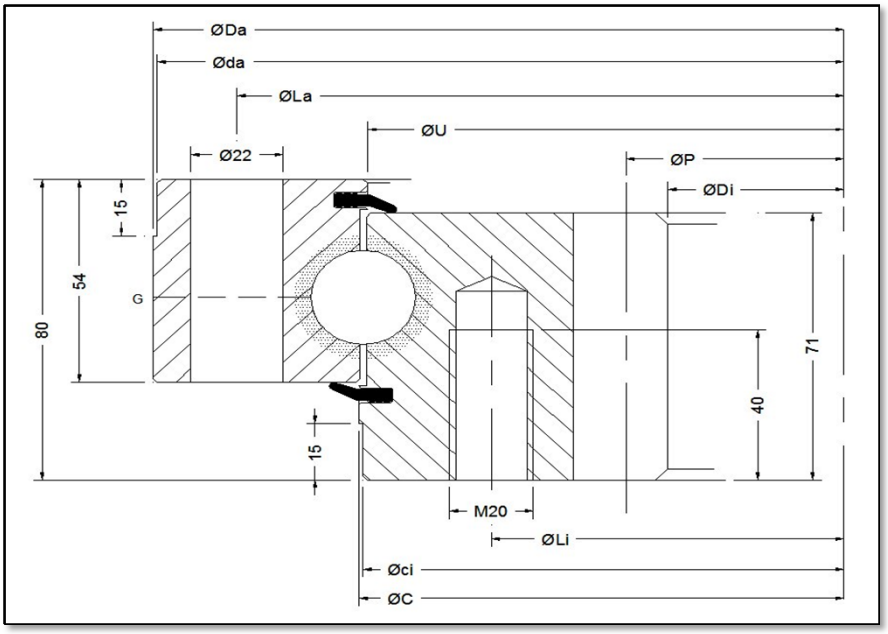
QCB reference	Outline dimensions & weight							
	D_a	D_i	U	C	d_a f9	d_i H9	Load curve	Weight
	mm	*mm*	*mm*	*mm*	*mm*	*mm*		*kg*
SUN 855 25 01 AA LM	855	655	757	753	853	657	38	90
SUN 955 25 01 AA LM	955	755	857	853	953	757	29	101
SUN 1055 25 01 AA LM	1055	855	957	953	1053	857	30	115
SUN 1155 25 01 AA LM	1155	955	1057	1053	1153	957	31	128
SUN 1255 25 01 AA LM	1255	1055	1157	1153	1253	1057	32	139
SUN 1355 25 01 AA LM	1355	1155	1257	1253	1353	1157	33	148
SUN 1455 25 01 AA LM	1455	1255	1357	1353	1453	1257	34	161
SUN 1555 25 01 AA LM	1555	1355	1457	1453	1553	1357	35	171

QCB reference	Outer holes		Inner holes					
	L_a	n_a	L_i	n_i				
	mm		*mm*					
SUN 855 25 01 AA LM	815	24	695	24				
SUN 955 25 01 AA LM	915	28	795	28				
SUN 1055 25 01 AA LM	1015	30	895	30				
SUN 1155 25 01 AA LM	1115	30	995	30				
SUN 1255 25 01 AA LM	1215	36	1095	36				
SUN 1355 25 01 AA LM	1315	42	1195	42				
SUN 1455 25 01 AA LM	1415	42	1295	42				
SUN 1555 25 01 AA LM	1555	48	1395	48				

Standard grease fitting # at least 2 x M8 on inner and outer rings

QCB Bearings SLEWING RINGS & DRIVES

Solid Ring 25mm ball Internal Gear



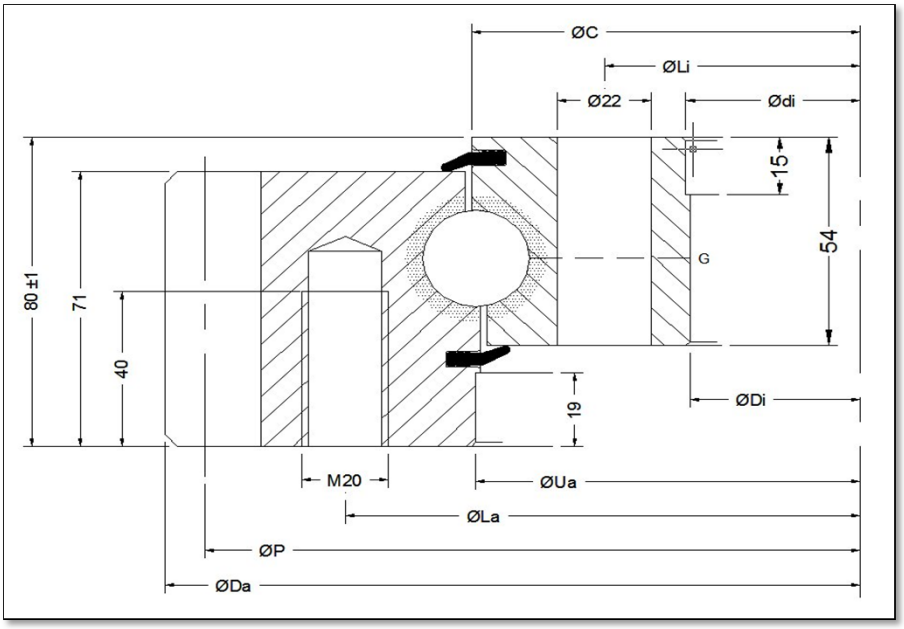
QCB reference	Outline dimensions & weight							
	D_a	D_i	U	C	d_a f9	c_i f9	Load curve	Weight
	mm	*mm*	*mm*	*mm*	*mm*	*mm*		*kg*
SIG 855 25 01 AA LM	855	610	753	757	853	755	38	119
SIG 955 25 01 AA LM	955	710	853	857	953	855	29	137
SIG 1055 25 01 AA LM	1055	810	953	957	1053	955	30	149
SIG 1155 25 01 AA LM	1155	910	1053	1057	1153	1055	31	165
SIG 1255 25 01 AA LM	1255	1010	1153	1157	1253	1155	32	180
SIG 1355 25 01 AA LM	1355	1110	1253	1257	1353	1255	33	198
SIG 1455 25 01 AA LM	1455	1210	1353	1357	1453	1355	34	215
SIG 1555 25 01 AA LM	1555	1310	1453	1457	1553	1455	35	229

QCB reference	Outer holes		Inner holes		20^o stub gear			
	L_a	n_a	L_i	n_i	P	M	z	$F_{z\ MAX}$
	mm		*mm*		*mm*			*KN*
SIG 855 25 01 AA LM	815	24	694	24	630	10	63	98.9
SIG 955 25 01 AA LM	915	28	794	28	730	10	73	98.9
SIG 1055 25 01 AA LM	1015	30	894	30	830	10	83	98.9
SIG 1155 25 01 AA LM	1115	30	994	30	930	10	93	98.9
SIG 1255 25 01 AA LM	1215	36	1094	36	1030	10	103	98.9
SIG 1355 25 01 AA LM	1315	42	1194	42	1130	10	113	98.9
SIG 1455 25 01 AA LM	1415	42	1294	42	1230	10	123	98.9
SIG 1555 25 01 AA LM	1515	48	1394	48	1330	10	133	98.9

Standard grease fitting # at least 4 x M8 on outer ring

QCB Bearings SLEWING RINGS & DRIVES

Solid ring 25mm ball External gear



QCB reference	Outline dimensions & weight							
	D_a	D_i	U	C	U_a	d_i	Load curve	Weight
	mm	*mm*	*mm*	*mm*	*mm*	*mm*		*kg*
SEG 900 25 01 AA LM	898	655	753	757	755	657	38	128
SEG 1000 25 01 AA LM	997	755	853	857	855	757	29	145
SEG 1100 25 01 AA LM	1096	855	953	957	955	857	30	155
SEG 1200 25 01 AA LM	1198	955	1053	1057	1055	957	31	171
SEG 1300 25 01 AA LM	1298	1055	1153	1157	1155	1057	32	190
SEG 1400 25 01 AA LM	1398	1155	1253	1257	1255	1157	33	204
SEG 1500 25 01 AA LM	1498	1255	1353	1357	1355	1257	34	222
SEG 1600 25 01 AA LM	1598	1355	1453	1457	1455	1357	35	236

QCB reference	Outer holes		Inner holes		20^o stub gear			
	L_a	n_a	L_i	n_i	P	M	z	$F_{z\,MAX}$
	mm		*mm*		*mm*			*KN*
SEG 900 25 01 AA LM	816	24	695	24	882	9	98	80.2
SEG 1000 25 01 AA LM	916	28	795	28	981	9	109	80.2
SEG 1100 25 01 AA LM	1016	30	895	30	1080	9	120	80.2
SEG 1200 25 01 AA LM	1116	30	995	30	1180	10	118	89
SEG 1300 25 01 AA LM	1216	36	1095	36	1280	10	128	89
SEG 1400 25 01 AA LM	1316	42	1195	42	1380	10	138	89
SEG 1500 25 01 AA LM	1416	42	1295	42	1480	10	148	89
SEG 1600 25 01 AA LM	1516	48	1395	48	1580	10	158	89

Standard grease fitting # at least 4 x M8 on inner ring

QCB Bearings SLEWING RINGS & DRIVES

Solid ring 25mm ball Static Load Curves

