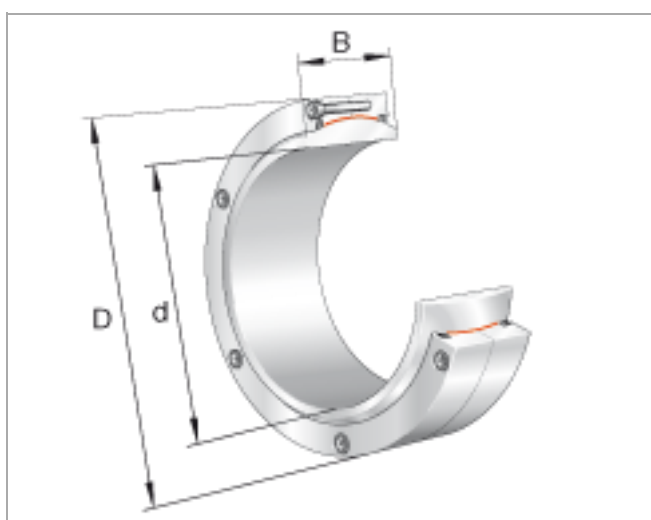




Large radial spherical plain bearings GE..-DW-2RS2

maintenance-free, to ISO 12 240-1, sealed on both sides

The datasheet is only an overview of dimensions and basic load ratings for the selected series. Please ensure that you note all the guidance in these overview pages. Further information is given on many products under the menu item "Description". You can also obtain comprehensive information material via Catalogue selection (<http://www.ina.de/content.ina.de/en/services/mediathek/library/library.jsp>), by e-mail (kataloge@de.ina.com) or telephone +49 (91 32) 82 - 28 97.



	d mm	D mm	B mm
GE320-DW-2RS2	320	440	160
GE340-DW-2RS2	340	460	160
GE360-DW-2RS2	360	480	160
GE380-DW-2RS2	380	520	190
GE400-DW-2RS2	400	540	190
GE420-DW-2RS2	420	560	190
GE440-DW-2RS2	440	600	218
GE460-DW-2RS2	460	620	218
GE480-DW-2RS2	480	650	230
GE500-DW-2RS2	500	670	230
GE530-DW-2RS2	530	710	243
	d mm	D mm	B mm



	d mm	D mm	B mm
GE560-DW-2RS2	560	750	258
GE600-DW-2RS2	600	800	272
GE630-DW-2RS2	630	850	300
GE670-DW-2RS2	670	900	308
GE710-DW-2RS2	710	950	325
GE750-DW-2RS2	750	1000	335
GE800-DW-2RS2	800	1060	355
GE850-DW-2RS2	850	1120	365
GE900-DW-2RS2	900	1180	375
GE950-DW-2RS2	950	1250	400
GE1000-DW-2RS2	1000	1320	438

	d mm	D mm	B mm
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Figure 1

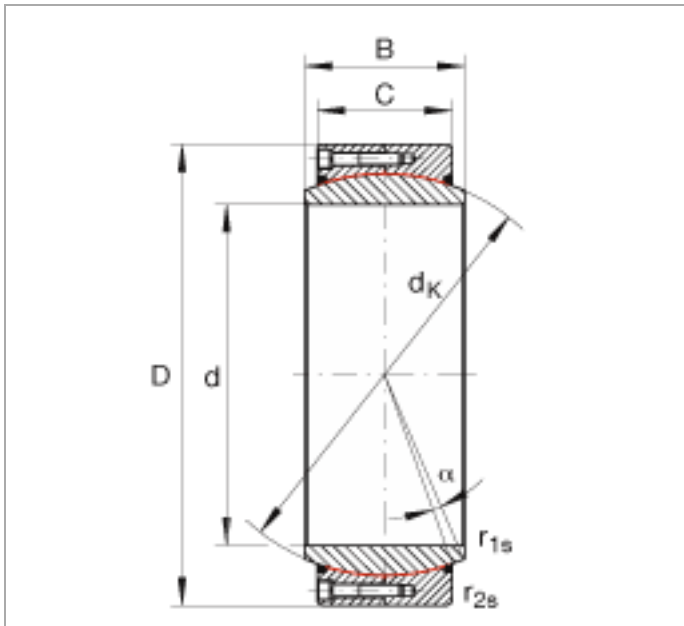


Figure 2

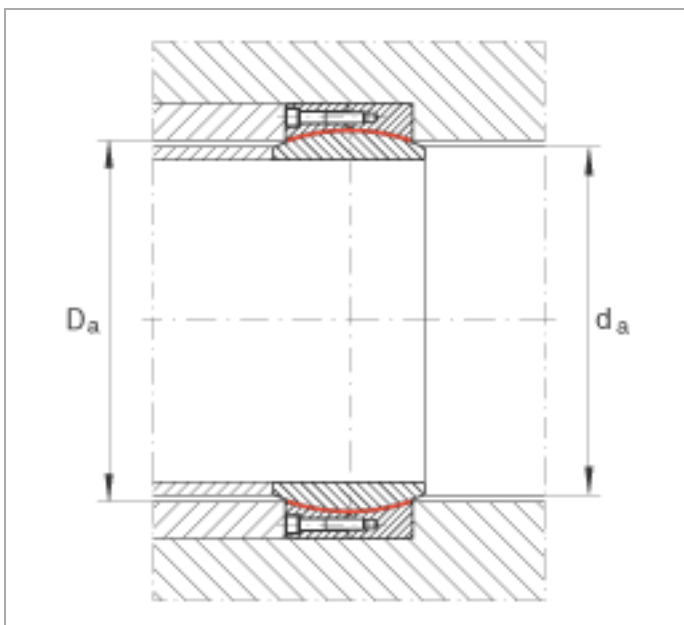
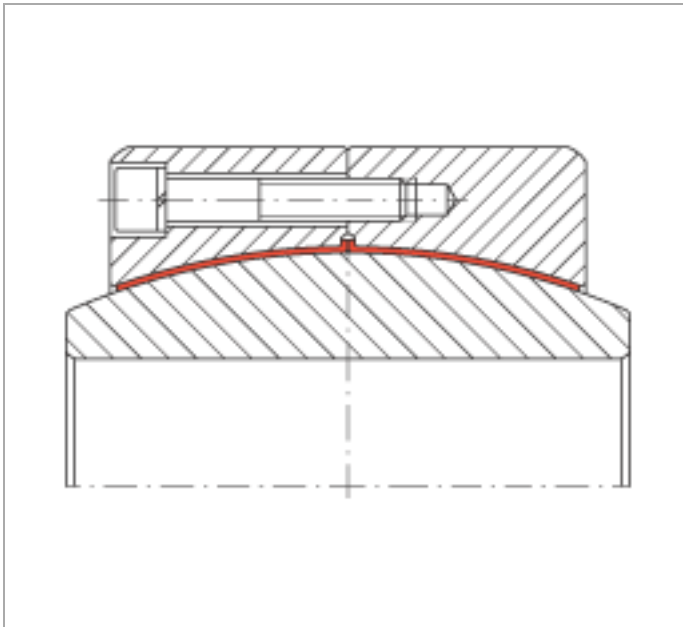


Figure 3



GE320-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	320 mm	Tolerance: 0 / -0,04
D	440 mm	Tolerance: 0 / -0,045
B	160 mm	Tolerance: 0 / -0,4
C	135 mm	Tolerance: 0 / -0,9
da max	344,6 mm	
Da min	361 mm	
dk	380 mm	
Gr	0 - 0,125 mm	Radial internal clearance
r1s min	1,1 mm	
r2s min	3 mm	
α	4 °	
m	76 kg	Mass
Cr	12920000 N	Basic dynamic load rating, radial
Cor	21540000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE340-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	340 mm	Tolerance: 0 / -0,04
D	460 mm	Tolerance: 0 / -0,045
B	160 mm	Tolerance: 0 / -0,4
C	135 mm	Tolerance: 0 / -0,9
da max	366,6 mm	
Da min	382 mm	
dk	400 mm	
Gr	0 - 0,125 mm	Radial internal clearance
r1s min	1,1 mm	
r2s min	3 mm	
α	3,8 °	
m	80 kg	Mass
Cr	13600000 N	Basic dynamic load rating, radial
C _{0r}	22680000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE360-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	360 mm	Tolerance: 0 / -0,04
D	480 mm	Tolerance: 0 / -0,045
B	160 mm	Tolerance: 0 / -0,4
C	135 mm	Tolerance: 0 / -0,9
da max	388,3 mm	
Da min	403 mm	
dk	420 mm	
Gr	0 - 0,135 mm	Radial internal clearance
r1s min	1,1 mm	
r2s min	3 mm	
α	3,6°	
m	86 kg	Mass
Cr	14280000 N	Basic dynamic load rating, radial
C _{0r}	23810000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE380-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	380 mm	Tolerance: 0 / -0,04
D	520 mm	Tolerance: 0 / -0,05
B	190 mm	Tolerance: 0 / -0,4
C	160 mm	Tolerance: 0 / -1
da max	407,9 mm	
Da min	426 mm	
dk	450 mm	
Gr	0 - 0,135 mm	Radial internal clearance
r1s min	1,5 mm	
r2s min	4 mm	
α	4,1 °	
m	124,5 kg	Mass
Cr	18680000 N	Basic dynamic load rating, radial
C _{0r}	31140000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE400-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	400 mm	Tolerance: 0 / -0,04
D	540 mm	Tolerance: 0 / -0,05
B	190 mm	Tolerance: 0 / -0,4
C	160 mm	Tolerance: 0 / -1
da max	429,8 mm	
Da min	447 mm	
dk	470 mm	
Gr	0 - 0,135 mm	Radial internal clearance
r1s min	1,5 mm	
r2s min	4 mm	
α	3,9°	
m	131 kg	Mass
Cr	19510000 N	Basic dynamic load rating, radial
C _{0r}	32520000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE420-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	420 mm	Tolerance: 0 / -0,045
D	560 mm	Tolerance: 0 / -0,05
B	190 mm	Tolerance: 0 / -0,45
C	160 mm	Tolerance: 0 / -1
da max	451,6 mm	
Da min	469 mm	
dk	490 mm	
Gr	0 - 0,135 mm	Radial internal clearance
r1s min	1,5 mm	
r2s min	4 mm	
α	3,7 °	
m	143 kg	Mass
Cr	20340000 N	Basic dynamic load rating, radial
Cor	33900000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE440-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	440 mm	Tolerance: 0 / -0,045
D	600 mm	Tolerance: 0 / -0,05
B	218 mm	Tolerance: 0 / -0,45
C	185 mm	Tolerance: 0 / -1
da max	472 mm	
Da min	491 mm	
dk	520 mm	
Gr	0 - 0,145 mm	Radial internal clearance
r1s min	1,5 mm	
r2s min	4 mm	
α	3,9°	
m	194 kg	Mass
Cr	24490000 N	Basic dynamic load rating, radial
Cor	40820000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE460-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	460 mm	Tolerance: 0 / -0,045
D	620 mm	Tolerance: 0 / -0,05
B	218 mm	Tolerance: 0 / -0,45
C	185 mm	Tolerance: 0 / -1
da max	494 mm	
Da min	513 mm	
dk	540 mm	
Gr	0 - 0,145 mm	Radial internal clearance
r1s min	1,5 mm	
r2s min	4 mm	
α	3,7 °	
m	199 kg	Mass
Cr	25430000 N	Basic dynamic load rating, radial
Cor	42390000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE480-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	480 mm	Tolerance: 0 / -0,045
D	650 mm	Tolerance: 0 / -0,075
B	230 mm	Tolerance: 0 / -0,45
C	195 mm	Tolerance: 0 / -1,1
da max	516 mm	
Da min	536 mm	
dk	565 mm	
Gr	0 - 0,145 mm	Radial internal clearance
r1s min	2 mm	
r2s min	5 mm	
α	3,8 °	
m	234 kg	Mass
Cr	28300000 N	Basic dynamic load rating, radial
Cor	47170000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE500-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	500 mm	Tolerance: 0 / -0,045
D	670 mm	Tolerance: 0 / -0,075
B	230 mm	Tolerance: 0 / -0,45
C	195 mm	Tolerance: 0 / -1,1
da max	537,8 mm	
Da min	557 mm	
dk	585 mm	
Gr	0 - 0,145 mm	Radial internal clearance
r1s min	2 mm	
r2s min	5 mm	
α	3,6°	
m	243 kg	Mass
Cr	29300000 N	Basic dynamic load rating, radial
Cor	48840000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE530-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	530 mm	Tolerance: 0 / -0,05
D	710 mm	Tolerance: 0 / -0,075
B	243 mm	Tolerance: 0 / -0,5
C	205 mm	Tolerance: 0 / -1,1
da max	570,3 mm	
Da min	591 mm	
dk	620 mm	
Gr	0 - 0,145 mm	Radial internal clearance
r1s min	2 mm	
r2s min	5 mm	
α	3,7 °	
m	291 kg	Mass
Cr	32920000 N	Basic dynamic load rating, radial
Cor	54870000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE560-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	560 mm	Tolerance: 0 / -0,05
D	750 mm	Tolerance: 0 / -0,075
B	258 mm	Tolerance: 0 / -0,5
C	215 mm	Tolerance: 0 / -1,1
da max	602 mm	
Da min	624 mm	
dk	655 mm	
Gr	0 - 0,16 mm	Radial internal clearance
r1s min	2 mm	
r2s min	5 mm	
α	4 °	
m	342 kg	Mass
C _r	36740000 N	Basic dynamic load rating, radial
C _{0r}	61240000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE600-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	600 mm	Tolerance: 0 / -0,05
D	800 mm	Tolerance: 0 / -0,075
B	272 mm	Tolerance: 0 / -0,5
C	230 mm	Tolerance: 0 / -1,1
da max	644,9 mm	
Da min	667 mm	
dk	700 mm	
Gr	0 - 0,16 mm	Radial internal clearance
r1s min	2 mm	
r2s min	5 mm	
α	3,6°	
m	409 kg	Mass
Cr	42420000 N	Basic dynamic load rating, radial
Cor	70700000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE630-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	630 mm	Tolerance: 0 / -0,05
D	850 mm	Tolerance: 0 / -0,1
B	300 mm	Tolerance: 0 / -0,5
C	260 mm	Tolerance: 0 / -1,2
da max	676,4 mm	
Da min	698 mm	
dk	740 mm	
Gr	0 - 0,16 mm	Radial internal clearance
r1s min	3 mm	
r2s min	6 mm	
α	3,3°	
m	542 kg	Mass
Cr	51500000 N	Basic dynamic load rating, radial
C _{0r}	85840000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE670-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	670 mm	Tolerance: 0 / -0,075
D	900 mm	Tolerance: 0 / -0,1
B	308 mm	Tolerance: 0 / -0,75
C	260 mm	Tolerance: 0 / -1,2
da max	722 mm	
Da min	746 mm	
dk	785 mm	
Gr	0 - 0,16 mm	Radial internal clearance
r1s min	3 mm	
r2s min	6 mm	
α	3,7 °	
m	594 kg	Mass
Cr	54630000 N	Basic dynamic load rating, radial
Cor	91060000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE710-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	710 mm	Tolerance: 0 / -0,075
D	950 mm	Tolerance: 0 / -0,1
B	325 mm	Tolerance: 0 / -0,75
C	275 mm	Tolerance: 0 / -1,2
da max	763,7 mm	
Da min	789 mm	
dk	830 mm	
Gr	0 - 0,17 mm	Radial internal clearance
r1s min	3 mm	
r2s min	6 mm	
α	3,7 °	
m	698 kg	Mass
Cr	60850000 N	Basic dynamic load rating, radial
Cor	101420000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE750-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	750 mm	Tolerance: 0 / -0,075
D	1000 mm	Tolerance: 0 / -0,1
B	335 mm	Tolerance: 0 / -0,75
C	280 mm	Tolerance: 0 / -1,2
da max	808,3 mm	
Da min	834 mm	
dk	875 mm	
Gr	0 - 0,17 mm	Radial internal clearance
r1s min	3 mm	
r2s min	6 mm	
α	3,8 °	
m	784 kg	Mass
C _r	65460000 N	Basic dynamic load rating, radial
C _{0r}	109110000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE800-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	800 mm	Tolerance: 0 / -0,075
D	1060 mm	Tolerance: 0 / -0,125
B	355 mm	Tolerance: 0 / -0,75
C	300 mm	Tolerance: 0 / -1,3
da max	859,5 mm	
Da min	886 mm	
dk	930 mm	
Gr	0 - 0,17 mm	Radial internal clearance
r1s min	3 mm	
r2s min	6 mm	
α	3,6°	
m	920 kg	Mass
Cr	75160000 N	Basic dynamic load rating, radial
C _{0r}	125270000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE850-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	850 mm	Tolerance: 0 / -0,1
D	1120 mm	Tolerance: 0 / -0,125
B	365 mm	Tolerance: 0 / -1
C	310 mm	Tolerance: 0 / -1,3
da max	914,8 mm	
Da min	940 mm	
dk	985 mm	
Gr	0 - 0,17 mm	Radial internal clearance
r1s min	3 mm	
r2s min	6 mm	
α	3,4 °	
m	1058 kg	Mass
C _r	82560000 N	Basic dynamic load rating, radial
C _{0r}	137600000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE900-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	900 mm	Tolerance: 0 / -0,1
D	1180 mm	Tolerance: 0 / -0,125
B	375 mm	Tolerance: 0 / -1
C	320 mm	Tolerance: 0 / -1,3
da max	970 mm	
Da min	995 mm	
dk	1040 mm	
Gr	0 - 0,195 mm	Radial internal clearance
r1s min	3 mm	
r2s min	6 mm	
α	3,2°	
m	1192 kg	Mass
C _r	90290000 N	Basic dynamic load rating, radial
C _{0r}	150480000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE950-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	950 mm	Tolerance: 0 / -0,1
D	1250 mm	Tolerance: 0 / -0,125
B	400 mm	Tolerance: 0 / -1
C	340 mm	Tolerance: 0 / -1,3
da max	1024,6 mm	
Da min	1052 mm	
dk	1100 mm	
Gr	0 - 0,195 mm	Radial internal clearance
r1s min	4 mm	
r2s min	7,5 mm	
α	3,3°	
m	1431 kg	Mass
C _r	102100000 N	Basic dynamic load rating, radial
C _{0r}	170170000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.

GE1000-DW-2RS2



Figure 1 , Figure 2 , Figure 3

d	1000 mm	Tolerance: 0 / -0,1
D	1320 mm	Tolerance: 0 / -0,16
B	438 mm	Tolerance: 0 / -1
C	370 mm	Tolerance: 0 / -1,6
da max	1074,1 mm	
Da min	1105 mm	
dk	1160 mm	
Gr	0 - 0,195 mm	Radial internal clearance
r1s min	4 mm	
r2s min	7,5 mm	
α	3,5°	
m	1755 kg	Mass
Cr	118110000 N	Basic dynamic load rating, radial
C _{0r}	196850000 N	Basic static load rating, radial

The screw design is only valid for the basic load rating C.
If the load is greater, the outer ring halves must be supported by lateral clamping covers.