

NATIONAL PRECISION BEARING

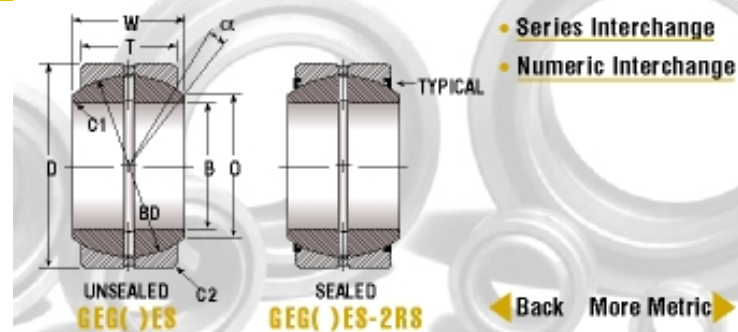
Heavy Duty Metric Unsealed & Sealed



request a quote

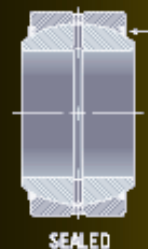
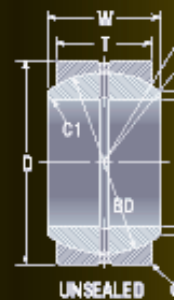
Spherical Plain Bearings:

- inch series
- ◀ **metric series**
- interchange tables
- engineering



LOAD SERIES HEAVY DUTY METRIC UNSEALED & SEALED

Ball Bore Diam. B		Part No RFQ per item		Outside Diam (1) D		Ball Width W		Race Width T		Ball Diam BD	Tilt Angle (2) α	Shldr Diam O	Shaft Fillet C1	Hsng Fillet C2	Radial Loads (3)	
Nom MM	Tol	With Seals	W/O Seals add:	Nom	Tol	Nom	Tol	Nom	Tol	Ref	Deg	Ref	Max	Max	Static	Dyn
20	-.010	GEG20ES	-2RS	42	-.011	25	-.120	16	-.240	35.5	17	22.7	.3	.6	54,001	10,805
25	-.010	GEG25ES	-2RS	47	-.011	28	-.120	18	-.240	40.7	17	28.6	.6	.6	69,752	13,954
30	-.010	GEG30ES	-2RS	55	-.013	32	-.120	20	-.300	47	17	33.7	.6	1.0	90,004	18,008
35	-.012	GEG35ES	-2RS	62	-.013	35	-.120	22	-.300	53	16	38.8	.6	1.0	112,507	22,504
40	-.012	GEG40ES	-2RS	68	-.013	40	-.120	25	-.300	60	17	44.1	.6	1.0	144,009	28,576
45	-.012	GEG45ES	-2RS	75	-.013	43	-.120	28	-.300	66	15	49.8	.6	1.0	175,506	35,108
50	-.012	GEG50ES	-2RS	90	-.015	56	-.120	36	-.400	80	17	55.8	.6	1.0	274,508	55,129
60	-.015	GEG60ES	-2RS	105	-.015	63	-.150	40	-.400	92	17	67.1	1.0	1.0	351,007	70,874
70	-.015	GEG70ES	-2RS	120	-.015	70	-.150	45	-.400	105	16	77.5	1.0	1.0	450,005	90,008
80	-.015	GEG80ES	-2RS	130	-.018	75	-.150	50	-.500	115	14	87.8	1.0	1.0	551,253	110,254
90	-.020	GEG90ES	-2RS	150	-.018	85	-.200	55	-.500	130	15	98.2	1.0	1.0	686,254	137,259
100	-.020	GEG100ES	-2RS	160	-.025	85	-.200	55	-.500	140	14	108.1	1.0	1.0	731,254	147,372
110	-.020	GEG110ES	-2RS	180	-.025	100	-.200	70	-.500	160	12	119.5	1.0	1.0	1,068,752	213,754
120	-.020	GEG120ES	-2RS	210	-.030	115	-.200	70	-.600	180	16	130.0	1.0	1.0	1,215,006	243,008
Nom MM	Tol	With Seals	W/O Seals add	Nom	Tol	Nom	Tol	Nom	Tol	Ref	Deg	Ref	Max	Max	Static	Dyn
Ball Bore Diam. B		Part No RFQ per item		Outside Diam (1) D		Ball Width W		Race Width T		Ball Diam BD	Tilt Angle (2) α	Shldr Diam O	Shaft Fillet C1	Hsng Fillet C2	Radial Loads (3)	



- **(1)** All tolerances in this catalog are before the outer races are fractured and before application of dry film lubricant
- **(2)** Seals may reduce tilt angle
- **(3)** Ultimate loads for the bearings in this catalog are approximately 1.5 times the catalog load ratings

All dimensions are metric.

GENERAL SERIES INTERCHANGE • LOAD SERIES HEAVY DUTY METRIC UNSEALED & SEALED

LOAD SERIES METRIC		NATIONAL	R.B.C.	SKF	TORRINGTON	ELGES	IKO
Heavy Duty	Unsealed	GEG () ES	MBH ()	GEH () ES	() FSH ()	GE () FO	GE () GS
	Sealed	GEG () ES-2RS	MBH () -SS	GEH () ES-2RS	() FSH () -TT	GE () FO-2RS	GE () GS-2RS

- For numeric bore size conversion between manufacturers see numerical interchange table.



NATIONAL PRECISION BEARING GROUP of Mechatronics, Inc.

Phone: 800-426-8038 • 425-222-5900 • Fax: 888-448-1153 • 425-222-5950

E-mail: sales@nationalprecision.com

[Purchase Order Terms and Conditions](#)

[Sales Order Terms and Conditions](#)

Copyright © 2008, National Precision Bearing, Inc.