



Spherical Plain Bearings

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Manufacturing Facilities

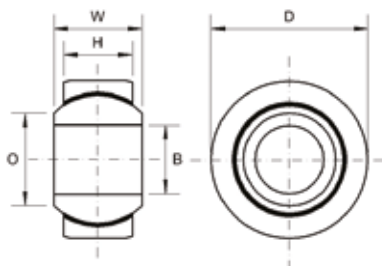
UNITED KINGDOM
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SLOVAKIA
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Spherical Bearings

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SPHERICAL BEARINGS



SP SERIES

Description:

SP-Series is our 3-piece standard range of self lubricating general purpose spherical bearings suitable for light to medium industrial/mechanical load applications requiring low friction, with good wear resistance and available in both metric and imperial bore sizes. They have excellent moisture resistance and require no maintenance.

Material Specifications:

Housing: Steel 230M07PB chemi-black finish. Race: GR-nylon LV-3H.
Ball: Bearing steel 100Cr6, case hardened and electro-less nickel plated.

Features:

- Metric & imperial bore sizes
- Low friction
- Self-lubricating
- Good wear resistance
- Excellent moisture resistance
- No maintenance
- Studded option

Possible Applications:

- Light to medium/heavy industrial/mechanical applications
- Construction equipment
- Agricultural equipment
- Recreational vehicles
- Precision equipment

Temperature Range:

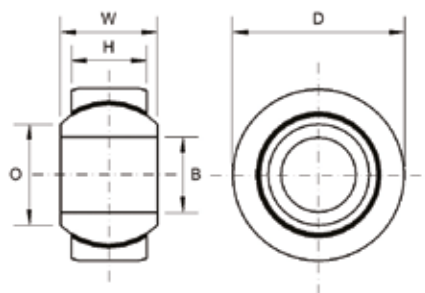
-30°C to +170°C

Specification:

ELV & RoHS compliant



SP SERIES: MAINTENANCE FREE SPHERICAL BEARINGS (METRIC)



Outer Ring: Steel 230M07Pb, Chemi-Blackened

Race: GR-nylon, LV-3H.

Ball: Bearing Steel 100Cr6, Case Hardened and Electro-less Nickel Plated

Specification: ELV and RoHS compliant.



Part No.	Bore Size	W	H	D	O	Static Load Rating (Newtons) Radial
SP-M03	3	6	4.50	16	5.20	3,040
SP-M04-3	3	7	5.00	18	6.30	4,060
SP-M04	4	7	5.00	18	6.30	4,060
SP-M05-4	4	8	6.00	16	7.50	5,340
SP-M05	5	8	6.00	16	7.50	5,340
SP-M06-5	5	9	6.75	18	9.30	7,720
SP-M06	6	9	6.75	18	9.30	7,720
SP-M08-6	6	12	9.00	22	10.40	12,775
JBS 8N	8	12	7.90	22	10.40	12,775
SP-M08	8	12	9.00	22	10.40	12,775
SP-M10-8	8	14	10.50	26	12.90	16,960
JBS 10N	10	14	9.50	26	12.90	16,960
SP-M10	10	14	10.50	26	12.90	16,960
SP-M12-10	10	16	12.00	30	15.40	22,900
SP-M12	12	16	12.00	30	15.40	22,900
SP-M14-12	12	19	13.50	34	16.80	28,950
SP-M14	14	19	13.50	34	16.80	28,950
SP-M16-14	14	21	15.00	38	19.30	37,130
SP-M16	16	21	15.00	38	19.30	37,130

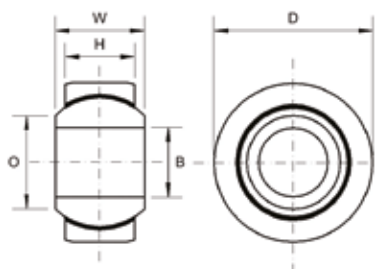
SP SERIES: MAINTENANCE FREE SPHERICAL BEARINGS (IMPERIAL)

Part No.	Bore Size	W	H	D	O	Static Load Rating (Newtons) Radial
SP-03	3/16	0.281	0.218	0.5625	0.293	4,900
SP-04-03	3/16	0.343	0.250	0.6562	0.364	7,150
SP-04	1/4	0.343	0.250	0.6562	0.364	7,150
SP-05-04	1/4	0.375	0.281	0.7500	0.419	12,000
SP-05	5/16	0.375	0.281	0.7500	0.419	12,000
SP-06-05	5/16	0.406	0.312	0.8125	0.475	13,090
SP-06	3/8	0.406	0.312	0.8125	0.475	13,090
SP-07-06	3/8	0.437	0.343	0.9062	0.530	16,100
SP-07	7/16	0.437	0.343	0.9062	0.530	16,100
SP-08-07	7/16	0.500	0.390	1.0000	0.600	19,250
SP-08	1/2	0.500	0.390	1.0000	0.600	19,250
SP-10-08	1/2	0.625	0.500	1.1875	0.739	30,250
SP-10	5/8	0.625	0.500	1.1875	0.739	30,250

For stainless steel add 'SS' to part no. For example 'SP-M03 SS'



SPHERICAL BEARINGS



SPH SERIES

Description:

SPH-Series is our 3-piece unique Internationally patented range of spherical bearings incorporating a Grilamid bearing race that provides ultra smooth operation. A nitrotec surface protected ball with a PTFE lubricant provide superior shock load and extended wear properties combined with excellent chemical and corrosion resistance.

The unique innovative captive body design prevents detachment through excessive axial loads.

Material Specifications:

Outer ring: Steel 230M07PB zinc plated and clear trivalent passivate. Race: Grilamid L20LF. Ball: 230M07PB nitrotec finish.

Features:

Metric bore sizes
Safety features applications
High shock loads
Extended wear life
No maintenance

Possible Applications:

Light to medium industrial/mechanical
Construction equipment
Agricultural equipment
Recreational vehicles
High precision motion control

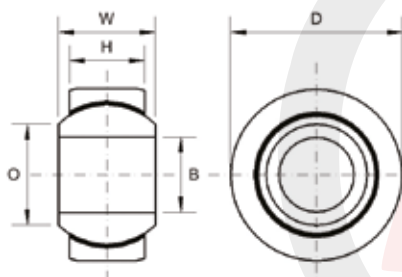
Temperature Range:

-40°C to +80°C

Specification:

ELV and RoHS compliant

SPH SERIES: MAINTENANCE FREE SPHERICAL BEARINGS (METRIC)



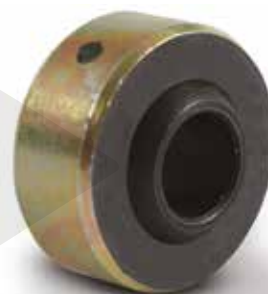
Outer Ring: Steel 230M07Pb, Zinc Plated and Clear Trivalent Passivate

Race: Grilamid L20LF.

Ball: 230M07Pb, Nitrotec Surface Protection

Lubricant: Uniflor oil.

Specification: ELV and RoHS compliant.

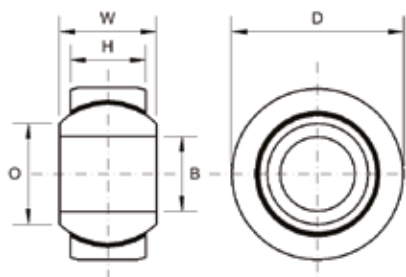


Part No.	Bore Size	W	H	D	O	Static Load Rating (Newtons) Radial
SPH-M06	6	9	6.75	18	9.30	9,300
SPH-M08	8	12	9.00	22	10.40	14,100
JBS8H	8	12	7.90	22	10.40	14,100
SPH-M10	10	14	10.50	26	12.90	18,690
JBS10H	10	14	9.50	26	12.90	18,690
SPH-M12	12	16	12.00	30	15.40	24,555
SPH-M14	14	19	13.50	34	16.80	34,650
SPH-M16	16	21	15.00	38	19.30	41,250

For stainless steel add 'SS' to part no. For example 'SPH-M06 SS'



SPHERICAL BEARINGS



GE FW SERIES

Description:

GE-FW-Series is our 2-piece metric range of general purpose spherical plain bearings incorporating a thin PTFE fabric between the ball and the outer ring, suitable for high shock loads and medium to heavy industrial/mechanical load applications requiring low friction, they do not require maintenance.

Material Specifications:

Outer ring: Bearing steel 100Cr6, case hardened. Ball: Bearing steel 100Cr6, case hardened and electro-less nickel plated. Liner: PTFE fabric. Seals: Polyurethane.

Features:

Metric bore sizes
Low friction
High shock loads
Extended wear life
No maintenance

Possible Applications:

Medium/heavy industrial/
mechanical applications
Construction equipment
Agricultural equipment
Recreational vehicles
High precision motion
control

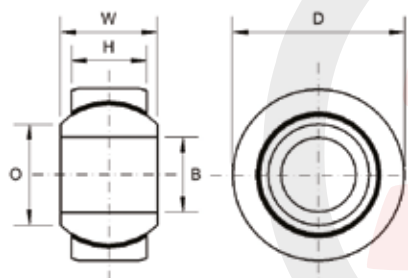
Temperature Range:

-53°C to +121°C

Specification:

ELV & RoHS compliant

GE FW SERIES: MAINTENANCE FREE SPHERICAL BEARINGS (METRIC)



Outer Ring: Bearing Steel 100Cr6, Case Hardened

Race Bearing Steel 100Cr6, Case Hardened
and Electro-less Nickel Plated

Ball: PTFE Fabric

Specification: ELV and RoHS Compliant

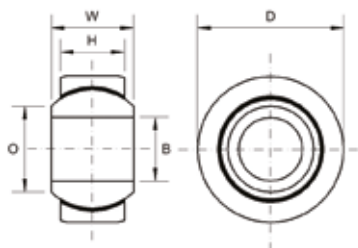


Part No. Unsealed	Part No. Sealed	Bore Size	W	H	D	Static Load Rating (Newtons) Radial
GE6FW		6	9	5	16	14,000
GE8FW		8	11	6	19	21,000
GE10FW		10	12	7	22	28,000
GE12FW		12	15	9	26	45,000
GE15FW		15	16	10	30	56,000
GE17FW		17	20	12	35	78,000
GE20FW		20	25	16	42	127,000
GE25FW		25	28	18	47	166,000
GE30FW	GE30FW-2RS	30	32	20	55	350,000
GE35FW	GE35FW-2RS	35	35	22	62	462,000
GE40FW	GE40FW-2RS	40	40	25	68	600,000
GE45FW	GE45FW-2RS	45	43	28	75	737,000
GE50FW	GE50FW-2RS	50	56	36	90	1,150,000
GE60FW	GE60FW-2RS	60	63	40	105	1,475,000
GE70FW	GE70FW-2RS	70	70	45	120	1,875,000
GE80FW	GE80FW-2RS	80	75	50	130	2,300,000
GE90FW	GE90FW-2RS	90	85	55	150	2,862,000
GE100FW	GE100FW-2RS	100	85	55	160	3,075,000

For stainless steel add 'SS' to part no. For example 'GE6FW SS'



SPHERICAL BEARINGS



GE ES SERIES

Description:

GE-ES-Series is our 2-piece fractured outer ring metric range of spherical plain bearings used in non rotational applications. Ball and race sliding surfaces are treated with MoS₂ for increased lubricity on wear surface. A lubrication groove is provided on the raceway for applications requiring re-lubrication after installation.

Material Specifications:

Outer ring: Bearing steel 100Cr6, case hardened and manganese phosphated, treated with MoS₂. Ball: Bearing steel 100Cr6, case hardened and manganese phosphate. Seals: Polyurethane.

Features:

- Metric bore sizes
- Low cost
- Maintenance required
- Up to 140mm bore sizes available

Possible Applications:

- Light to heavy industrial/mechanical applications
- Construction equipment
- Agricultural equipment
- Hydraulic applications

Temperature Range:

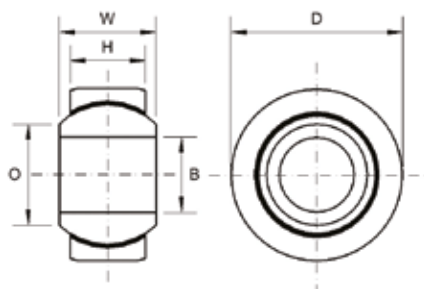
-54°C to +121°C

Specification:

ELV & RoHS compliant



GE ES SERIES: MAINTENANCE FREE SPHERICAL BEARINGS (METRIC)



Outer Ring: Bearing Steel 100Cr6, Case Hardened and Manganese Phosphate, wear faces treated with MoS₂.

Ball: Bearing Steel 100Cr6, Case Hardened and Manganese Phosphate

Seals: Polyurethane

Specification: ELV and RoHS Compliant



Part No. Unsealed	Part No. Sealed	Bore Size	W	H	D	Static Load Rating (Newtons) Radial
GE06ES	GE06ES-2RS	6	6	4	14	17,000
GE08ES	GE08ES-2RS	8	8	5	16	27,500
GE10ES	GE10ES-2RS	10	9	6	19	40,500
GE12ES	GE12ES-2RS	12	10	7	22	54,000
GE15ES	GE15ES-2RS	15	12	9	26	85,000
GE17ES	GE17ES-2RS	17	14	10	30	106,000
GE20ES	GE20ES-2RS	20	16	12	35	146,000
GEH20ES	GEH20ES-2RS	20	25	16	42	240,000
GE25ES	GE25ES-2RS	25	20	16	42	240,000
GEH25ES	GEH25ES-2RS	25	28	18	47	310,000
GE30ES	GE30ES-2RS	30	22	18	47	310,000
GEH30ES	GEH30ES-2RS	30	32	20	55	400,000
GE35ES	GE35ES-2RS	35	25	20	55	400,000
GEH35ES	GEH35ES-2RS	35	35	22	62	500,000
GE40ES	GE40ES-2RS	40	28	22	62	500,000
GEH40ES	GEH40ES-2RS	40	40	25	68	640,000
GE45ES	GE45ES-2RS	45	32	25	68	640,000
GEH45ES	GEH45ES-2RS	45	43	28	75	780,000
GE50ES	GE50ES-2RS	50	35	28	75	780,000
GEH50ES	GEH50ES-2RS	50	56	36	90	1,220,000
GE60ES	GE60ES-2RS	60	44	36	90	1,220,000
GEH60ES	GEH60ES-2RS	60	63	40	105	1,560,000
GE70ES	GE70ES-2RS	70	49	40	105	1,560,000
GEH70ES	GEH70ES-2RS	70	70	45	120	2,000,000
GE80ES	GE80ES-2RS	80	55	45	120	2,000,000
GEH80ES	GEH80ES-2RS	80	75	50	130	2,450,000
GE90ES	GE90ES-2RS	90	60	50	130	2,450,000
GEH90ES	GEH90ES-2RS	90	85	55	150	3,050,000
GE100ES	GE100ES-2RS	100	70	55	150	3,050,000
GE110ES	GE110ES-2RS	110	70	55	160	3,250,000
GE120ES	GE120ES-2RS	120	85	70	180	4,750,000
GE140ES	GE140ES-2RS	140	90	70	210	5,400,000



SPHERICAL BEARINGS



GEZ ES SERIES

Description:

GEZ-ES-Series is our 2-piece fractured outer ring metric range of spherical plain bearings used in non rotational applications. Ball and race sliding surfaces are treated with MoS₂ for increased lubricity on wear surface. A lubrication groove is provided on the raceway for applications requiring re-lubrication after installation.

Material Specifications:

Outer ring: Bearing steel 100Cr6, case hardened and manganese phosphated, treated with MoS₂. Ball: Bearing steel 100Cr6, case hardened and manganese phosphate. Seals: Polyurethane.

Features:

Metric bore sizes
Low cost
Maintenance required
Up to 140mm bore sizes available

Possible Applications:

Light to heavy industrial/mechanical applications
Construction equipment
Agricultural equipment
Hydraulic applications

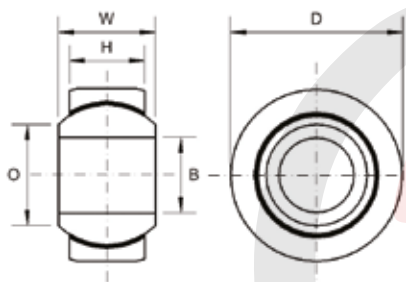
Temperature Range:

-54°C to +121°C

Specification:

ELV & RoHS compliant

GEZ ES SERIES: MAINTENANCE FREE SPHERICAL BEARINGS (IMPERIAL)



Outer Ring: Bearing Steel 100Cr6, Case Hardened and Manganese Phosphate, wear faces treated with MoS₂.

Ball: Bearing Steel 100Cr6, Case Hardened and Manganese Phosphate

Seals: Polyurethane

Specification: ELV and RoHS Compliant



Part No. Unsealed	Part No. Sealed	Bore Size	W	H	D	Static Load Rating (Newtons) Radial
GEZ008ES	GEZ008ES-2RS	1/2	11.100	9.525	22.225	41,000
GEZ010ES	GEZ010ES-2RS	5/8	13.894	11.913	26.988	65,000
GEZ012ES	GEZ012ES-2RS	3/4	16.662	14.275	31.750	95,000
GEZ014ES	GEZ014ES-2RS	7/8	19.431	16.662	36.513	127,000
GEZ100ES	GEZ100ES-2RS	1	22.225	19.050	41.275	166,000
GEZ104ES	GEZ104ES-2RS	1-1/4	27.762	23.800	50.800	260,000
GEZ106ES	GEZ106ES-2RS	1-3/8	30.150	26.187	55.563	310,000
GEZ108ES	GEZ108ES-2RS	1-1/2	33.325	28.575	61.913	375,000
GEZ112ES	GEZ112ES-2RS	1-3/4	38.887	33.325	71.438	510,000
GEZ200ES	GEZ200ES-2RS	2	44.450	38.100	80.963	670,000
GEZ204ES	GEZ204ES-2RS	2-1/4	55.013	42.850	90.488	850,000
GEZ208ES	GEZ208ES-2RS	2-1/2	55.550	47.625	100.013	1,060,000
GEZ212ES	GEZ212ES-2RS	2-3/4	61.112	52.375	111.125	1,250,000
GEZ300ES	GEZ300ES-2RS	3	66.675	57.150	120.65	1,500,000
GEZ304ES	GEZ304ES-2RS	3-1/4	72.238	61.900	130.175	1,760,000
GEZ308ES	GEZ308ES-2RS	3-1/2	77.775	66.675	139.700	2,040,000



SPHERICAL BEARINGS



GE UK SERIES

Description:

GE-UK-Series is our 2-piece metric range of general purpose spherical plain bearings incorporating a thin PTFE fabric between the ball and the outer ring, suitable for high shock loads and medium to heavy industrial/mechanical load applications requiring low friction. They do not require maintenance.

Material Specifications:

Outer ring: Bearing steel 100Cr6 and stainless steel 316, case hardened.
Ball: Bearing steel 100Cr6 case hardened and electro-less nickel plated and stainless steel 440C. Liner: High temperature PTFE composite.
Seals: Polyurethane.

Features

Metric bore sizes
Low friction
High shock loads
Extended wear life
No maintenance

Possible Applications

Medium/heavy industrial/mechanical applications
Construction equipment
Agricultural equipment
Recreational vehicles
High precision motion control

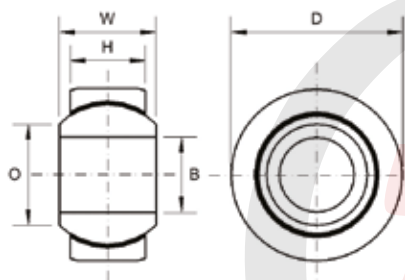
Temperature Range

-200°C to +260°C

Specification

ELV & RoHS compliant

GE UK SERIES: MAINTENANCE FREE SPHERICAL BEARINGS (METRIC)



Outer Ring: Bearing Steel 100Cr6, Case Hardened

Ball: Bearing Steel 100Cr6, Case Hardened and Electro-less Nickel Plated

Liner: High Temperature PTFE Composite

Specification: ELV and RoHS Compliant



Part No. Unsealed	Part No. Sealed	Bore Size	W	H	D	Static Load Rating (Newtons) Radial
GE6UK		6	6	4	14	9,100
GE8UK		8	8	5	16	14,000
GE10UK		10	9	6	19	21,000
GE12UK		12	10	7	22	28,000
GE15UK		15	12	9	26	45,000
GE17UK	GE17UK-2RS	17	14	10	30	56,000
GE20UK	GE20UK-2RS	20	16	12	35	78,000
GE25UK	GE25UK-2RS	25	20	16	42	127,000
GE30UK	GE30UK-2RS	30	22	18	47	166,000
GE35UK	GE35UK-2RS	35	25	20	55	224,000
GE40UK	GE40UK-2RS	40	28	22	62	280,000
GE45UK	GE45UK-2RS	45	32	25	68	360,000
GE50UK	GE50UK-2RS	50	35	28	75	440,000
GE60UK	GE60UK-2RS	60	44	36	90	695,000
GE70UK	GE70UK-2RS	70	49	40	105	880,000
GE80UK	GE80UK-2RS	80	55	45	120	1,140,000
GE90UK	GE90UK-2RS	90	60	50	130	1,370,000
GE100UK	GE100UK-2RS	100	70	55	150	1,730,000
GE110UK	GE110UK-2RS	110	70	55	160	1,860,000
GE120UK	GE120UK-2RS	120	85	70	180	2,700,000

For stainless steel add 'SS' to part no. For example 'GE6UK SS'



SPHERICAL BEARINGS



GXSW SERIES

Description:

GXSW Series is our 2-piece metric range of general purpose spherical plain bearings incorporating a thin PTFE fabric between the ball and the outer ring, suitable for high shock loads and medium to heavy industrial/mechanical load applications requiring low friction. They do not require maintenance.

Material Specifications:

Outer ring: Steel 070M20, zinc plated and clear trivalent passivate . Ball: Bearing steel 100Cr6, case hardened and electro-less nickel plated.
Liner: High temperature PTFE composite.

Features

Metric bore sizes
Low friction
High shock loads
Extended wear life
No maintenance

Possible Applications

Medium/heavy industrial/mechanical
Construction equipment
Agricultural equipment
Recreational vehicles
High precision motion control

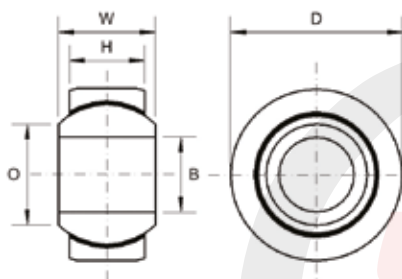
Temperature Range

-200°C to +260°C

Specification

ELV & RoHS compliant

GXSW SERIES: MAINTENANCE FREE SPHERICAL BEARING (METRIC)



Outer Ring: Steel 070M20, Zinc Plated and Clear Trivalent Passivate

Ball: Bearing Steel 100Cr6, Case Hardened and Electro-less Nickel Plated

Liner: High Temperature PTFE Composite

Specification: ELV and RoHS Compliant



Part No.	Bore Size	W	H	D	C	Static Load Rating (Newtons) Radial
GXSW-M05	5	8	6.00	13	1x15°	12,500
GXSW-M06	6	9	6.75	15	1x15°	15,500
GXSW-M08	8	12	9	18	1.2x15°	27,800
GXSW-M10	10	14	10.5	21	1.2x15°	39,000
GXSW-M12	12	16	12	24.5	1.2x15°	53,500
GXSW-M14	14	19	13.5	28	1.5x15°	70,000
GXSW-M16	16	21	15	31.5	1.5x15°	88,000
GXSW-M18	18	23	16.5	34.5	1.5x15°	106,500
GXSW-M20	20	25	18	38	1.5x15°	130,000
GXSW-M22	22	28	20	41	1.5x15°	162,000
GXSW-M25	25	31	22	46	1.5x15°	204,000

GXSW SERIES: MAINTENANCE FREE SPHERICAL BEARING (IMPERIAL)

Part No.	Bore Size	W	H	D	C	Static Load Rating (Newtons) Radial
GXSW-04	1/4	0.375	0.281	0.6094	0.039x15°	15,500
GXSW-05	5/16	0.437	0.344	0.7500	0.047x15°	27,800
GXSW-06	3/8	0.500	0.406	0.8437	0.047x15°	39,000
GXSW-07	7/16	0.562	0.437	1.000	0.047x15°	44,000
GXSW-08	1/2	0.625	0.500	1.0937	0.059x15°	53,500
GXSW-10	5/8	0.750	0.562	1.3125	0.059x15°	88,000
GXSW-12	3/4	0.875	0.687	1.500	0.059x15°	130,000



SPHERICAL BEARINGS



GXSW SS SERIES

Description:

GXSW SS-Series is our 2-piece metric range of general purpose spherical plain bearings incorporating a thin PTFE fabric between the ball and the outer ring, suitable for high shock loads and medium to heavy industrial/mechanical load applications requiring low friction. They do not require maintenance.

Material Specifications:

Outer ring: Stainless steel 304L. Ball: Stainless steel 440C.
Liner: High temperature PTFE composite.

Features

Metric bore sizes
Low friction
High shock loads
Extended wear life
No maintenance

Possible Applications

Medium/heavy industrial/
mechanical Construction
equipment
Agricultural equipment
Recreational vehicles
High precision motion
control

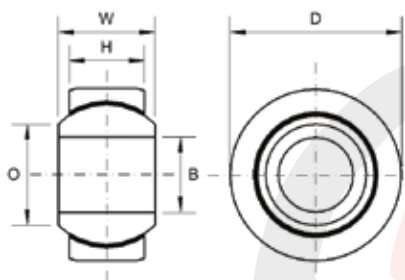
Temperature Range

-200°C to +260°C

Specification

ELV & RoHS compliant

GXSW SERIES: MAINTENANCE FREE SPHERICAL BEARING (METRIC)



Outer Ring: Stainless Steel 304

Ball: Stainless Steel 440C

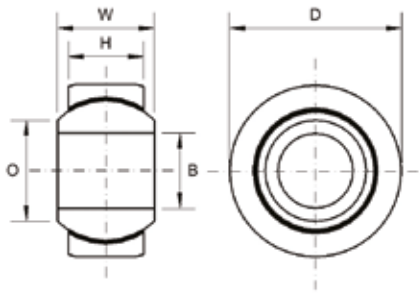
Liner: High Temperature PTFE Composite

Specification: ELV and RoHS Compliant



Part No.	Bore Size	W	H	D	C	Static Load Rating (Newtons) Radial
GXSW-M05-SS	5	8	6.00	13	1x15°	12,500
GXSW-M06-5SS	5	9	6.75	15	1x15°	15,500
GXSW-M06-SS	6	9	6.75	15	1x15°	15,500
GXSW-M08-6SS	6	12	9	18	1.2x15°	27,800
GXSW-M08-SS	8	12	9	18	1.2x15°	27,800
GXSW-M10-8SS	8	14	10.5	21	1.2x15°	39,000
GXSW-M10-SS	10	14	10.5	21	1.2x15°	39,000
GXSW-M12-10SS	10	16	12	24.5	1.2x15°	53,500
GXSW-M12-SS	12	16	12	24.5	1.2x15°	53,500
GXSW-M14-12SS	12	19	13.5	28	1.5x15°	70,000
GXSW-M14-SS	14	19	13.5	28	1.5x15°	70,000
GXSW-M16-14SS	14	21	15	31.5	1.5x15°	88,000
GXSW-M16-SS	16	21	15	31.5	1.5x15°	88,000
GXSW-M18-16SS	16	23	16.5	34.5	1.5x15°	106,500
GXSW-M18-SS	18	23	16.5	34.5	1.5x15°	106,500
GXSW-M20-18SS	18	25	18	38	1.5x15°	130,000
GXSW-M20-SS	20	25	18	38	1.5x15°	130,000
GXSW-M22-20SS	20	28	20	41	1.5x15°	162,000
GXSW-M22-SS	22	28	20	41	1.5x15°	162,000
GXSW-M25-SS	25	31	22	46	1.5x15°	204,000
GXSW-M25-20SS	20	31	22	46	1.5x15°	204,000

GXSW SERIES: MAINTENANCE FREE SPHERICAL BEARING (IMPERIAL)



- Outer Ring: Stainless Steel 304
- Ball: Stainless Steel 440C
- Liner: High Temperature PTFE Composite
- Specification: ELV and RoHS Compliant



Part No.	Bore Size	W	H	D	C	Static Load Rating (Newtons) Radial
GXSW-04-SS	1/4	0.375	0.281	0.6094	0.039x15°	24,000
GXSW-05-4SS	1/4	0.437	0.344	0.7500	0.047x15°	41,200
GXSW-05-SS	5/16	0.437	0.344	0.7500	0.047x15°	41,200
GXSW-06-5SS	5/16	0.500	0.406	0.8437	0.047x15°	58,900
GXSW-06-SS	3/8	0.500	0.406	0.8437	0.047x15°	58,900
GXSW-07-6SS	3/8	0.562	0.437	1.000	0.047x15°	68,950
GXSW-07-SS	7/16	0.562	0.437	1.000	0.047x15°	68,950
GXSW-08-7SS	7/16	0.625	0.500	1.0937	0.059x15°	79,000
GXSW-08-SS	1/2	0.625	0.500	1.0937	0.059x15°	79,000
GXSW-10-8SS	1/2	0.750	0.562	1.3125	0.059x15°	124,600
GXSW-10-SS	5/8	0.750	0.562	1.3125	0.059x15°	124,600
GXSW-12-10SS	5/8	0.875	0.687	1.500	0.059x15°	183,400
GXSW-12	3/4	0.875	0.687	1.500	0.059x15°	183,400





SPHERICAL BEARINGS



COM SERIES

Description:

COM-Series is our 2-piece metric range of general purpose spherical plain bearings the "T" design incorporates a thin PTFE fabric between the ball and the outer ring. Suitable for high shock loads and medium industrial/mechanical load applications requiring low friction. They do not require maintenance. Dimensions suited to auto-sport and racing applications.

Material Specifications:

Outer ring: Bearing steel 100Cr6 and stainless steel 304L. Ball: Bearing steel 100Cr6, heat treated and electro-less nickel plated and stainless steel 440C. Liner: High temperature PTFE composite.

Features

Imperial bore sizes
Low friction
High shock loads
Motor sport dimensions
No maintenance

Possible Applications

Medium / heavy
industrial/mechanical
applications
Motor sport and
recreational vehicles

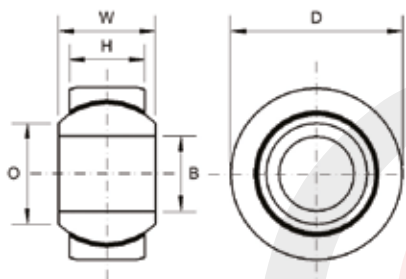
Temperature Range

-200°C to +260°C

Specification

ELV & RoHS compliant

COM SERIES: MAINTENANCE FREE SPHERICAL BEARINGS (IMPERIAL)



Outer Ring: Bearing Steel 100Cr6

Ball: Bearing Steel 100Cr6, Case Hardened and Electro-less Nickel Plated

Liner: (Indicated by part No. ending with 'T')
High Strength PTFE fabric

Specification: ELV and RoHS Compliant



Part No. Unsealed	Bore Size	W	H	D	O	Static Load Rating (Newtons) Radial
COM-03	3/16	0.281	0.218	0.563	0.293	14,464
COM-03T	3/16	0.281	0.218	0.563	0.293	21,680
COM-04	1/4	0.343	0.250	0.656	0.364	22,015
COM-04T	1/4	0.343	0.250	0.656	0.364	33,020
COM-05	5/16	0.375	0.281	0.750	0.419	28,800
COM-05T	5/16	0.375	0.281	0.750	0.419	43,200
COM-06	3/8	0.406	0.312	0.813	0.516	37,361
COM-06T	3/8	0.406	0.312	0.813	0.516	56,040
COM-07	7/16	0.437	0.343	0.906	0.530	42,048
COM-07T	7/16	0.437	0.343	0.906	0.530	63,070
COM-08	1/2	0.500	0.390	1.000	0.640	58,934
COM-08T	1/2	0.500	0.390	1.000	0.640	88,390
COM-09	9/16	0.562	0.437	1.094	0.710	73,967
COM-09T	9/16	0.562	0.437	1.094	0.710	110,940
COM-10	5/8	0.625	0.500	1.187	0.780	94,658
COM-10T	5/8	0.625	0.500	1.187	0.780	141,960
COM-12	3/4	0.750	0.593	1.437	0.920	141,982
COM-12T	3/4	0.750	0.593	1.437	0.920	212,940
COM-14	7/8	0.875	0.703	1.563	0.980	186,639
COM-14T	7/8	0.875	0.703	1.563	0.980	279,930
COM-16	1	1.000	0.797	1.750	1.118	245,534
COM-16T	1	1.000	0.797	1.750	1.118	368,250

For stainless steel add 'SS' to part no. For example 'COM-03 SS'



SPHERICAL BEARINGS



SX SERIES

Description:

SX series Spherical Bearings have been developed for use in General Engineering applications where medium to high loads are encountered. Within their load carrying capacity they will withstand shock loading and high frequency oscillation.

Material Specifications:

Outer ring: 100Cr6, heat treated, Phosphated all over.
Ball: 100Cr6, heat treated, Phosphated all over.

Features

Metric and Imperial sizes available
Can be used in application involving shock loading and high frequency oscillation.

Possible Applications

Medium / heavy industrial/mechanical applications
Construction equipment
Agricultural equipment and motor sport.

Temperature Range

-40°C to +150°C

Specification

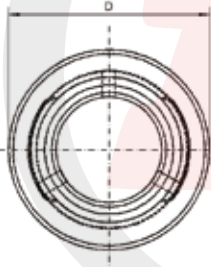
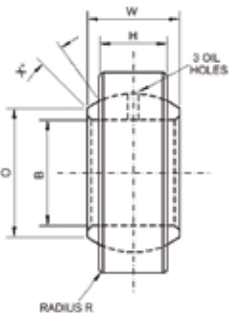
ELV & RoHS compliant

Interchange table

Dunlop	Rose	NMB
MX-M (metric)	RBJ-M	RBJ-M
MX (imperial)	RBJ	RBJ

Note: Manufacturers part numbers are used for descriptive purposes only and may not be direct equivalent products.

SX SERIES: MAINTENANCE REQUIRED SPHERICAL BEARINGS (IMPERIAL)



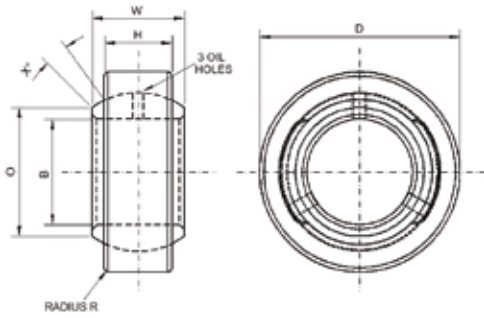
Outer Ring: Bearing Steel 100Cr6, Heat Treated, Phosphate all over except track

Ball: Bearing Steel 100Cr6, Heat Treated, Phosphate all over

Specification: ELV and RoHS Compliant



Part No.	B	D	W	H	O	R	X deg	Static Load Rating (Newtons) Radial
SX-03	.1898	.5625	.2187	.1562	.343	.015	10	19710
SX-04	.2500	.5625	.2187	.1562	.343	.015	10	19710
SX-05	.3125	.6250	.2500	.1875	.390	.015	10	27260
SX-06	.3750	.7500	.3125	.2187	.546	.015	9.5	42660
SX-08	.5000	.9375	.4375	.3125	.610	.015	11	72570
SX-10	.6250	1.1250	.5000	.3437	.750	.015	11.5	96100
SX-12	.7500	1.3125	.5625	.3750	.947	.031	10.5	127480
SX-16	1.0000	1.5625	.6875	.4375	1.125	.031	12	179460
SX-18	1.1250	1.8750	.8125	.5625	1.421	.062	9.5	287330
SX-20	1.2500	2.0000	.8125	.5625	1.562	.062	9	307920
SX-24	1.5000	2.5000	.9375	.6250	1.906	.062	9	415830

SX SERIES: MAINTENANCE REQUIRED SPHERICAL BEARINGS (METRIC)


Outer Ring: Bearing Steel 100Cr6, Heat Treated, Phosphate all over except track

Ball: Bearing Steel 100Cr6, Heat Treated, Phosphate all over

Specification: ELV and RoHS Compliant



Part No.	B	D	W	H	O	R	X deg	Static Load Rating (Newtons) Radial
SX-M04	4	14	5,50	4,00	8,71	0,4	9,5	19710
SX-M06	6	14	5,50	4,00	8,71	0,4	9,5	19710
SX-M08	8	16	6,25	4,75	10,12	0,4	8	27260
SX-M10	10	20	8,00	5,50	13,86	0,4	10	42660
SX-M12	12	24	11,00	8,00	15,55	0,4	10,5	72570
SX-M16	16	28	12,75	8,75	19,14	0,4	11,5	96100
SX-M18	18	34	14,25	9,50	24,03	0,8	10,5	127480
SX-M26	26	40	17,50	11,00	28,58	0,8	12,5	179460
SX-M28	28	48	20,50	14,25	36,26	1,6	9,5	287330
SX-M32	32	50	20,50	14,25	39,72	1,6	8,5	307920
SX-M38	38	64	23,75	16,00	48,45	1,6	9	415830





LINKAGES



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