

BECO

- BHT high temperature bearing
- BSS stainless steel bearings
- BJ spherical plain bearing



images courtesy of BeCo



BECO are an Italian manufacturer with 20 years experience of specialist bearings and bearing units for extreme temperatures.

Their high temperature bearings and bearing units are designed to deliver increased reliability, reduced complexity and decreased environmental impact in operating temperatures exceeding 350 °C (660 °F). Because BECO high temperature bearings correspond to the ISO dimensions of grease-lubricated bearings, production efficiencies and cost savings can be realized with a simple change to their bearing solution.

- o Reduced total operating cost
- o Virtually maintenance-free operation
- o Excellent performance under severe conditions
- o Reduced environmental impact
- o Reduced machine design complexity

BALL BEARINGS FOR HIGH TEMPERATURES

*BHTS 2RS C3 VT 180°		High Temperature									
618**	00	01	02	03	04	05	06	07	08	09	10
60**	00	01	02	03	04	05	06	07	08	09	10
62**	00	01	02	03	04	05	06	07	08	09	10
63**	00	01	02	03	04	05	06	07	08	09	10

- BHTS 2RS C3 VT 180°**
- o Chrome steel AISI 52100
 - o Heat stabilised, radial clearance C3
 - o Special Viton seals & grease to 200°
 - o Operating temperatures -30° - +180°
 - o Not suitable for acidic conditions
- Fields of Application:**
- o Industrial Fans
 - o Air conveyors
 - o Packaging Machinery
 - o Dry compressors
 - o Paper making Machinery

*BHTS 2RS C4 VT 200°		High Temperature									
618**	00	01	02	03	04	05	06	07	08	09	10
60**	00	01	02	03	04	05	06	07	08	09	10
62**	00	01	02	03	04	05	06	07	08	09	10
63**	00	01	02	03	04	05	06	07	08	09	10

- BHTS 2RS C4 VT 200°**
- o Chrome steel AISI 52100
 - o Heat stabilised, radial clearance C4
 - o Special Viton seals & grease to 200°
 - o Operating temperatures -30° - +200°
 - o Not suitable for acidic conditions
- Fields of Application:**
- o Air conveyors
 - o Industrial Fans
 - o Packaging Machinery
 - o Steel Industry
 - o Ceramic Industry
 - o Papermaking Machinery

*BHTS ZZ C4 200°		High Temperature									
618**	00	01	02	03	04	05	06	07	08	09	10
60**	00	01	02	03	04	05	06	07	08	09	10
62**	00	01	02	03	04	05	06	07	08	09	10
63**	00	01	02	03	04	05	06	07	08	09	10

- BHTS ZZ C4 200°**
- o Chrome steel AISI 52100
 - o Heat stabilised, radial clearance C4
 - o Pressed steel shields
 - o Grease to 200°
 - o Operating temperatures -30° - +200°
- Fields of Application:**
- o Air conveyors
 - o Industrial Fans
 - o Packaging Machinery
 - o Steel Industry
 - o Ceramic Industry
 - o Papermaking Machinery

*BHTS 2RS C4 VT 220°		High Temperature									
60**	00	01	02	03	04	05	06	07	08	09	10
62**	00	01	02	03	04	05	06	07	08	09	10
63**	00	01	02	03	04	05	06	07	08	09	10

- BHTS 2RS C4 VT 220°**
- o Chrome steel AISI 52100
 - o Heat stabilised, radial clearance C4
 - o Special Viton seals to 220°
 - o PTFE silicon-free grease to 220°
 - o Operating temperatures -40° - +220°
- Fields of Application:**
- o Air conveyors
 - o Industrial Fans
 - o Packaging Machinery
 - o Steel Industry
 - o Ceramic Industry
 - o Papermaking Machinery

*BHTS ZZ C4 220°-250		High Temperature									
60**	00	01	02	03	04	05	06	07	08	09	10
62**	00	01	02	03	04	05	06	07	08	09	10
63**	00	01	02	03	04	05	06	07	08	09	10

- BHTS ZZ C4 220°-250°**
- o Chrome steel AISI 52100
 - o Heat stabilised, radial clearance C4
 - o Pressed steel shields
 - o PTFE silicon-free grease to 220°
 - o Operating temps -30° - +220-250°
- Fields of Application:**
- o Air conveyors
 - o Industrial Fans
 - o Packaging Machinery
 - o Steel Industry
 - o Ceramic Industry
 - o Papermaking Machinery



*BeCo reference codes courtesy of BeCo bearings



*BHTS 2RS VT 250°-280°		High Temperature									
60**	00	01	02	03	04	05	06	07	08	09	10
62**	00	01	02	03	04	05	06	07	08	09	10
63**	00	01	02	03	04	05	06	07	08	09	10

- BHTS 2RS VT 250°-280°**
- o Manganese phosphate coating
 - o Chrome steel AISI 52100
 - o Heat stabilised, radial clearance 4*C5
 - o RS Viton seals
 - o PTFE silicon-free grease to 280
 - o Operating temps -30° - +250-280°
 - o Not suitable for acidic conditions
- Fields of Application:**
- o Paint Ovens
 - o Steel Industry
 - o Furnaces for Ceramic Industry
 - o Trolley Industry
 - o Trolley for Brick Kilns

*BHTS ZZ 280°		Extreme Temperature									
618**	00	01	02	03	04	05	06	07	08	09	10
619**	00	01	02	03	04	05	06	07	08	09	10
60**	00	01	02	03	04	05	06	07	08	09	10
62**	00	01	02	03	04	05	06	07	08	09	10
63**	00	01	02	03	04	05	06	07	08	09	10

- BHTS ZZ 280°**
- o Miniatures available on request
 - o Chrome steel AISI 52100
 - o Manganese phosphate coating
 - o Heat stabilised, radial clearance 4*C5
 - o Pressed steel shields
 - o PTFE silicon-free grease to 280
 - o Operating temperatures -30° - +280°
- Fields of Application:**
- o Paint Ovens
 - o Steel Industry
 - o Furnaces for Ceramic Industry
 - o Trolley Industry
 - o Trolley for Brick Kilns

*BHT 320°-350°		Extreme Temperature									
511**	00	01	02	03	04	05	06	07	08	09	10
512**	00	01	02	03	04	05	06	07	08	09	10
60**	00	01	02	03	04	05	06	07	08	09	10
62**	00	01	02	03	04	05	06	07	08	09	10
63**	00	01	02	03	04	05	06	07	08	09	10

- BHT 320°-350°**
- o Chrome steel AISI 52100
 - o Manganese phosphate coating
 - o Heat stabilised, radial clearance 4*C5
 - o Open bearing
 - o Molybdenum disulphide grease
 - o Operating temperatures +350°
- Fields of Application:**
- o Furnaces for Ceramic Industry
 - o Steel Industry
 - o Trolley Industry
 - o Trolley for Brick Kilns



*BHTS ZZ 350° BECO PLUS		Extreme Temperature									
60**	00	01	02	03	04	05	06	07	08	09	10
62**	00	01	02	03	04	05	06	07	08	09	10
63**	00	01	02	03	04	05	06	07	08	09	10

- BHTS ZZ 350° BECO PLUS**
- o Chrome steel AISI 52100
 - o Manganese phosphate coating
 - o Heat stabilised, radial clearance 4*C5
 - o Pressed steel shields
 - o Suitable for higher speeds
 - o BECO grease compound for 370°
 - o Operating temperatures +370o
- Fields of Application:**
- o Paint Ovens
 - o Steel Industry
 - o Furnaces for Ceramic Industry
 - o Trolley Industry
 - o Trolley for Brick Kilns

*BeCo reference codes courtesy of BeCo bearings

images courtesy of BeCo

***BHTS ZZ GR CG 350° Extreme Temperature**

60**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
62**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
63**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

BHTS ZZ GR CG 350°

- Chrome steel AISI 52100
- Manganese phosphate coating
- Heat stabilised, radial clearance 4*C5
- Pressed steel shields
- One piece self-lubricating graphite cage
- Operating temperatures -50° - +350°

Fields of Application:

- Paint Ovens
- Steel Industry
- Furnaces for Ceramic Industry
- Trolley Industry
- Trolley for Brick Kilns

***BHT 450° BECO PLUS Extreme Temperature**

60**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
62**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
63**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

BHT 450° BECO PLUS

- Manganese phosphate coating
- Ceramic coating
- Chrome steel AISI 52100
- Heat stabilised, radial clearance 4*C5
- No lubrication required
- Operating temps -50° - +450°

Fields of Application:

- Paint Ovens
- Steel Industry
- Furnaces for Ceramic Industry
- Trolley Industry
- Trolley for Brick Kilns

BALL BEARINGS FOR LOW TEMPERATURE

***BLS ZZ -70° Extreme Temperature**

60**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
62**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
63**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20

BLS ZZ -70°

- Chrome steel AISI 52100
- Heat stabilised, radial clearance C4
- Pressed steel shields
- Lubricated for -70°
- Operating temperatures -70° - +100°

Fields of Application:

- Gas Production Equipment
- Equipment for Refrigeration Rooms
- Facilities for Ski Resorts
- Special Vehicles for Arctic Use

PILLOW BLOCKS FOR HIGH & EXTREME TEMPERATURES



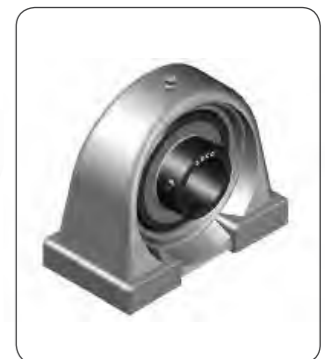
UCP BHTS
ZZ C4 200°



UCF BHTS
2RS VT 250°-280°



UCFL BHTS
ZZ 280°



UCPA BHTS
ZZ GR CG 350°



***OVEN BEARINGS Specialised**

BTC	40 B8	42 B8		47 B8	50 B8		58 B8	66 B8
BTC		42 B10	45 B10		50 B10	52 B10	58 B10	

BTC & BTC ZZ CPG

- Engineered solution
- Open bearing or Z shields
- Copper grease available for maintenance free
- Operating temperatures -30° - +150°
- Short term exposure +350°

Fields of Application:

- Ceramic Industry – Oven with Roller System



*BeCo reference codes courtesy of BeCo bearings

***BHT FB 400° Extreme Temperature**

60**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
62**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
63**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

BHTS ZZ C4 220°-250°

- Chrome steel AISI 52100
- Manganese phosphate coating
- Heat stabilised, radial clearance 4*C5
- Additional lubrication required
- Operating temperatures -40° - +400°

Fields of Application:

- Paint Ovens
- Steel Industry
- Furnaces for Ceramic Industry
- Trolley Industry
- Trolley for Brick Kilns

PILLOW BLOCKS FOR HIGH TEMPERATURES

***BHTS ZZ C4 200° High Temperature**

UC2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCPA2**	00	01	02	03	04	05	06	07	08	09	10					
UCF2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCFL2**	00	01	02	03	04	05	06	07	08	09	10	11	12			
UCP2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCT2**	00	01	02	03	04	05	06	07	08	09	10	11	12			

BHTS ZZ C4 200°

- Chrome steel AISI 52100
- Heat stabilised, radial clearance C4
- Pressed steel shields
- Grease to 200°
- Operating temperatures -30° - +200°

Fields of Application:

- Air conveyors
- Industrial Fans
- Packaging Machinery
- Steel Industry
- Ceramic Industry
- Papermaking Machinery

***BHTS 2RS VT 250°-280° High Temperature**

UC2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCPA2**	00	01	02	03	04	05	06	07	08	09	10					
UCF2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCFL2**	00	01	02	03	04	05	06	07	08	09	10	11	12			
UCP2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCT2**	00	01	02	03	04	05	06	07	08	09	10	11	12			

BHTS 2RS VT 250°-280°

- Manganese phosphate coating
- Chrome steel AISI 52100
- Heat stabilised, radial clearance 4*C5
- RS Viton seals
- PTFE silicon-free grease to 2800
- Operating temps -30° - +250-280°
- Not suitable for acidic conditions

Fields of Application:

- Paint Ovens
- Steel Industry
- Furnaces for Ceramic Industry
- Trolley Industry
- Trolley for Brick Kilns

*BeCo reference codes courtesy of BeCo bearings



*BHTS ZZ 280°		Extreme Temperature														
UC2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCPA2**	00	01	02	03	04	05	06	07	08	09	10					
UCF2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCFL2**	00	01	02	03	04	05	06	07	08	09	10	11	12			
UCP2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCT2**	00	01	02	03	04	05	06	07	08	09	10	11	12			

- BHTS ZZ 280°**
- Miniatures available on request
 - Chrome steel AISI 52100
 - Manganese phosphate coating
 - Heat stabilised, radial clearance 4*C5
 - Pressed steel shields
 - PTFE silicon-free grease to 280°
 - Operating temperatures -30° - +200°
- Fields of Application:**
- Paint Ovens
 - Steel Industry
 - Furnaces for Ceramic Industry
 - Trolley Industry
 - Trolley for Brick Kilns

*BHTS ZZ GR CG 350°		Extreme Temperature														
UC2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCPA2**	00	01	02	03	04	05	06	07	08	09	10					
UCF2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCFL2**	00	01	02	03	04	05	06	07	08	09	10	11	12			
UCP2**	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCT2**	00	01	02	03	04	05	06	07	08	09	10	11	12			

- BHTS ZZ GR CG 350°**
- Chrome steel AISI 52100
 - Manganese phosphate coating
 - Heat stabilised, radial clearance 4*C5
 - Pressed steel shields
 - One piece self-lubricating graphite cage
 - Operating temperatures -50° - +350°
- Fields of Application:**
- Paint Ovens
 - Steel Industry
 - Furnaces for Ceramic Industry
 - Trolley Industry
 - Trolley for Brick Kilns



Specialist high temperature applications need bearings that provide **functionality, reliability and consistency** under extreme temperatures. High temperature bearings are used in applications such as:

- Industrial Baking Ovens
- Commercial Pizza Ovens
- Oven Doors & Louvres
- High Temperature Ovens & Kilns
- High Temperature Conveyors
- Gypsum Board Dryers
- Tile Processing Dryers
- Molten Glass Rolling
- Rubber Curing Ovens
- Veneer & Woodchip Dryers
- Industrial Plywood Dryers
- Textile Machinery
- Carpet Drying Ovens
- Car Paint Baking Ovens
- Heater Units & Fan Assemblies
- Industrial Ventilation
- Paint Curing Ovens
- Steel Production Cooling Beds
- Welding Guides
- Heat Treatment Furnaces
- Hot Ash Filter
- High Temperature Flapper & Ball Valves
- High Temperature Screw Conveyors & Stokers
- Turbine Touchdown Bearings
- Butterfly Valve Stem Bearings
- High Temperature Dampers

**BeCo reference codes courtesy of BeCo bearings*

images courtesy of BeCo

STAINLESS STEEL RANGES

***BSS 2RS NSF H1 Pillow Blocks in Plastic**

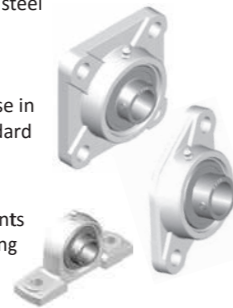
UCF	01	02	03	04	05	06	07	08	09	10	11	12
UCFL	01	02	03	04	05	06	07	08	09	10	11	12
UCP	01	02	03	04	05	06	07	08	09	10	11	12

BSS 2RS NSF H1

- Bearing material: tempered stainless steel (magnetic)
- Standard Radial Clearance
- Stainless Steel seals type 2RS
- Lubricated with grease suitable for use in food industry according NSF H1 standard
- Housing in Plastic

Fields of Application:

- Air conveyors for food processing plants
- Construction industry, windows, sliding windows, etc.
- Food Industry



***BSS 2RS NSF H1 Pillow Blocks in Stainless Steel**

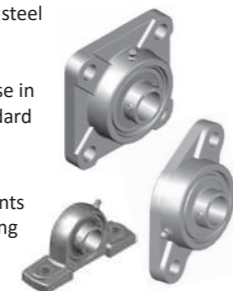
UCF	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCFL	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
UCP	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

BSS 2RS NSF H1

- Bearing material: tempered stainless steel
- Standard Radial Clearance
- Stainless Steel seals type 2RS
- Lubricated with grease suitable for use in food industry according NSF H1 standard
- Housing in Stainless Steel

Fields of Application:

- Air conveyors for food processing plants
- Construction industry, windows, sliding windows, etc.
- Food Industry



***BSS Stainless Steel (magnetic)**

6000	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6200	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6300	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

BSS

- Bearing material: tempered stainless steel
- Standard Radial Clearance
- Bearing running open
- Supplied without grease
- Lubrication according customer specification
- 51100, 51200 & 51300 Series bearings also available

Fields of Application:

- Air conveyors for food processing plants
- Construction industry, windows, sliding windows, etc.



***BSS 2RS NSF H1 Stainless Steel (magnetic)**

6000	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6200	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6300	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

BSS 2RS NSF H1

- Bearing material: tempered stainless steel
- Standard Radial Clearance
- Stainless Steel seals type 2RS
- Lubricated for life with grease suitable to use in food industry according to NSF H1 standard
- MICRO, 61800 & 61900 Series bearings also available

Fields of Application:

- Air conveyors for food processing plants
- Construction industry, windows, sliding windows, etc.
- Food Industry



*BeCo reference codes courtesy of BeCo bearings

***BSS ZZ NSF H1 Stainless Steel (magnetic)**

6000	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6200	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6300	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

BSS ZZ NSF H1

- Bearing material: tempered stainless steel
- Standard Radial Clearance
- Stainless Steel shields type ZZ
- Lubricated for life with grease (-20° to +100°) suitable to use in food industry according NSF H1 standard

Fields of Application:

- Air conveyors for food processing plants
- Construction industry, windows, sliding windows, etc.



***BSS NM ZZ NSF H1 Stainless Steel (not magnetic)**

6000	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6200	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6300	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

BSS NM ZZ NSF H1

- Bearing material: stainless steel AISI 304 / AISI 316
- Radial Clearance C3
- Stainless Steel shields type ZZ
- Lubricated for life with grease (-30° to +130°) suitable to use in food industry according NSF H1 standard

Fields of Application:

- Air conveyors for food processing plants
- Textile finishing plants
- Ship building industry



***BSS 2RS C3 VT 180° Stainless Steel (not magnetic)**

6000	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6200	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
6300	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

BSS NM

- Bearing material: stainless steel AISI 304 / AISI 316
- Radial Clearance C3
- Bearing running open
- Supplied without grease
- Lubrication according to customer certification

Fields of Application:

- Air conveyors for food processing plants
- Textile finishing plants
- Ship building industry



***BSS 2RS C3 VT 180° Stainless Steel (magnetic)**

6000	00	01	02	03	04	05	06
6200	00	01	02	03	04	05	06
6300	00	01	02	03	04	05	06

BSS 2RS C3 VT 180°

- Bearing material: tampered satinless steel
- Radial Clearance C3
- Seals 2RS in steel with vulcanized rubber for 200oC VitonSupplied without grease
- Lubricated for life with PTFE grease for temperatures up to 280°C

Fields of Application:

- Fryers
- Dry Compressors
- Industrial Fans
- Packaging machinery
- Papermaking industry



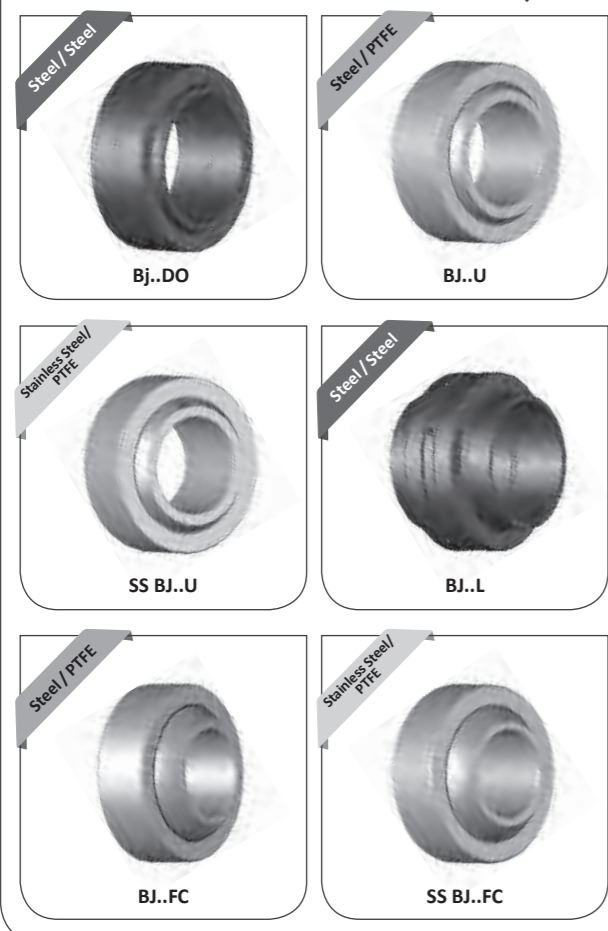
*BeCo reference codes courtesy of BeCo bearings

Images courtesy of BeCo

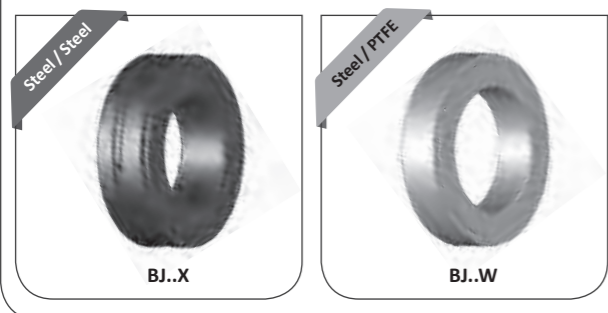
BECO manufactures radial, angular contact and thrust spherical plain bearings to provide solutions for applications that require oscillating movements and misalignment that standard spherical roller bearings cannot fully accommodate. BECO plain bearings range is available in either Steel, PTFE (maintenance free) or Stainless steel.

JOINTS

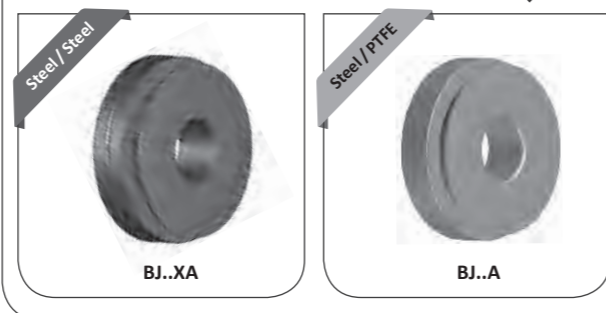
RADIAL SPHERICAL PLAIN BEARINGS



ANGULAR CONTACT SPHERICAL PLAIN BEARINGS



THRUST SPHERICAL PLAIN BEARINGS

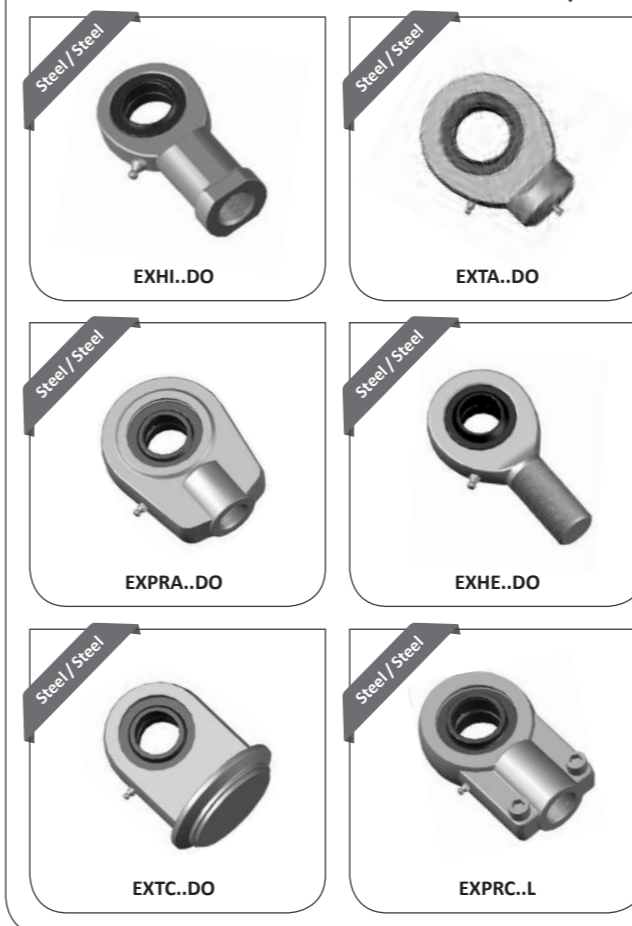


BECO offer a full range of Rod Ends available with left or right hand female (internal) or male (external) threads. BECO rod ends with a left-hand thread have a suffix "L" in the Code Number, otherwise the rod ends have a right-hand thread. For example, rod end EXHIL 15 DO has a left-hand thread and rod end EXHI 15 DO has a right-hand thread.

BECO rod end designs are available as threaded body, weldable, or with locking slots. Manufactured in Steel, Stainless steel, or Bronze, and PTFE and Teflon for maintenance free rod ends.

ROD ENDS

THREADED BODY, WELDABLE OR W/ LOCKING SLOTS:



MAINTENANCE FREE COUPLING:

