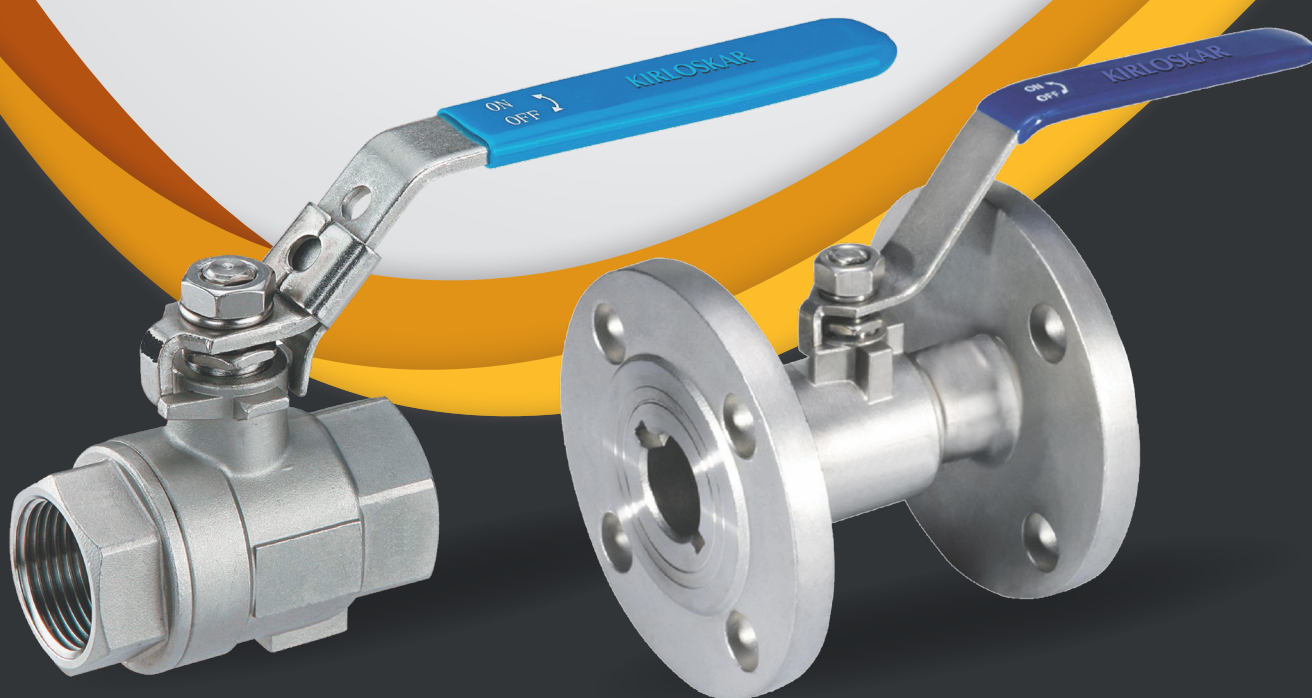




Enriching Lives

BALL VALVES

AS PER BS EN ISO 17292 (BS: 5351)



KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company

[illegible]

ABOUT KBL

Kirloskar Brothers Limited (KBL) is a world-class pump manufacturing company with expertise in the engineering and manufacturing of fluid management systems. Established in 1888 and incorporated in 1920, KBL is the mother company of the Kirloskar Group. KBL provides complete fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, building & construction, oil & gas industry, and marine & defence. KBL manufactures industrial, agriculture and domestic pumps, valves and hydro-turbines.

Over the years, KBL has developed innovative products, which have enabled it to carve a niche globally. It is a global conglomerate and is equipped with the best technologies in the world. It is also India's largest centrifugal pump manufacturer with nine manufacturing facilities in India along with other international subsidiaries and operations in the Netherlands, South Africa, Thailand, the United Kingdom, and the United States of America. KBL has over 16,000 channel partners globally and is supported by best-in-class Pan-India network of authorised service and refurbishment centres.

KBL is the first Indian pump manufacturing company to be certified for Integrated Management System, (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018).

Its factories deploy Total Quality Management tools using the European Foundation for Quality Management (EFQM) model.

Indian subsidiaries and joint ventures

- Kirloskar Ebara Pumps Limited (KEPL) manufactures API, Non-API pumps, and steam turbines.
- Kirloskar Corrocoat Private Limited (KCPL) is the leading solution provider in long-term corrosion protection and energy conversion.

- Karad Projects and Motors Limited (KPML) is a motor manufacturing company with expertise in the manufacture of stampings, stators, rotors, AC rotating machines, aluminium die-cast connecting rods and pump assemblies. It also houses a notable foundry facility specialising in the manufacture of a wide range of carbon steel, alloy steel, stainless steel and cast iron castings for industries such as pumps, valves, turbines, shipping, heavy engineering applications and more.

International, subsidiaries and joint ventures

- SPP Pumps Limited, United Kingdom is a 140-year-old leading pumps manufacturer of centrifugal pumps and associated systems, a global principal in the design, supply and servicing of pumps, renowned fire pump packages and high-quality equipment for a wide range of applications and industry sectors. It is the largest pump manufacturer in the United Kingdom.
- SyncroFlo, Inc., United States of America manufactures pre-assembled pumping systems and provides solutions for HVAC systems, fire protection and turf irrigation.
- Rodelta Pumps International is a Dutch pump manufacturing company that offers products for flood control, irrigation, drinking water, wastewater, pulp & paper, power, chemical, oil & gas and general industries.
- Kirloskar Brothers Thailand Limited (KBTL), Bangkok is the Thailand Board of Investment (BOI) promoted headquarters and assembly plant of the KBL Group companies for the ASEAN and East Asia regions.
- Braybar Pumps (Pty) Limited, Republic of South Africa is engaged in the manufacturing and sales of high-head multi-stage pumps, rubber-lined slurry pumps and metal-lined bearings.

Pumps | Valves | Hydro Turbines | Turnkey Projects

Water Resource Management | Irrigation | Power | Industry | Oil & Gas | Marine & Defence | Building & Construction | Distribution (Small Pumps) | Valves | Customer Service & Spares



Global Headquarter:
"Yamuna", Baner, Pune.

BALL VALVE

Widely used in variety of liquids in General Industries, Water Works, Food and Beverages, Power, Building and Construction and Marine.

Applications :

- Suitable for variety of liquids in process and General Industry, Water Works, Air, Oil, Steam Gas, Corrosive chemicals, Power Plants, Sewage plants, Chemical & Petrochemical Plants, etc for tight shut off and ON - OFF application

Special Features :

- Floating Type 3 Piece body constructional Design allows easy maintenance and replacement of seat without removing valve from pipe
- Blow - out proof stem design
- Superior finish ball and Sphericity ensures extended seat life and low operating torques
- End connections available in Screwed / Socket Weld / Flanged

Salient Constructional Features :

- **Standard Construction:**
 - 3 Piece Screwed / Socket / Flanged End body Full Bore design to withstand specified pressures
- **Optional Construction:**
 - 2 Piece Flanged End body Full Bore or Reduce Bore design to be available on request
 - 1 Piece Flanged End or Screwed End body Full Bore design to be available on request
 - 3 Piece Screwed End Full Bore or Reduce Bore body design available in Forged steel (A105) Valves, to be available on request.

Material of Construction:

Scope	Standard supply	Optional
Body	Carbon Steel	ASTM A351 Gr. CF8, ASTM A351 Gr. CF8M / A105
Ball	AISI - 304 / CF8	ST. ST. AISI - 316 / CF8M
Seat	PTFE	RPTFE
Stem	AISI - 304	ST. ST. AISI - 316
Seal / Packing / Gasket	PTFE	Graphite
Fastners	Carbon Steel	ST. ST. AISI - 304, ST. ST. AISI - 316, B7 & 2H
Lever	Carbon Steel	ST. ST. AISI - 304, ST. ST. AISI - 316

Note: 1 For Special material of construction, please contact Design Office.

Technical Specifications:

Design and Manufacturing Standard	BS EN ISO 17292 (BS: 5351)
	Screwed End (BSP) - BS 21
	Screwed End (NPT) - ASME B1.20.1
	Socket weld End - ASME B16.11
	Flanged End - ASME B16.5
Testing Standard	BS EN 12266 / API - 598
Size Range	15mm to 50mm - Screwed / Socket weld End
	15mm Flanged End
Pressure Rating	CL 150 #

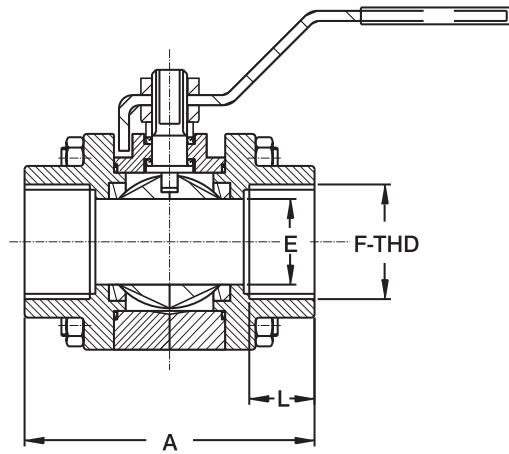
Note : 1. For Higher size and Pressure Rating contact Design Office.

Operations:

Size	Rating	Operation
15 mm to 100 mm	#150	Hand Lever

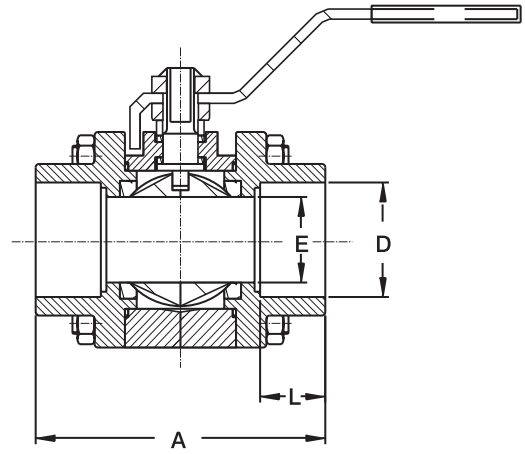
Note : 1. For any other operations like Gear Box or Actuator operated please contact design office.

General Outline Drawing:



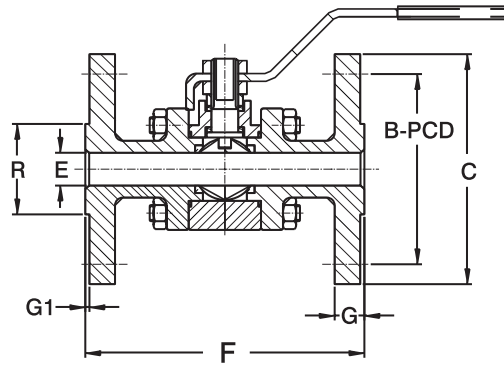
Screwed End

Size Range: Up to 2 inch



Socket Weld End

Size Range: Up to 2 inch



Flanged End

Size Range: Up to 4 inch

General Outline Dimensions:

Sizes		Face to Face		øE	F - THD	øD	L	B-PCD	øC	G	øR	G1
		A	F		BSP / NPT							
1/2"	15	67	108	12.7	1/2"	21.7 - 22	16.5	60.3	89	11.5	34.9	2
3/4"	20	73	118	19	3/4"	27.1 - 27.3	18.5	69.9	98.4	11.5	42.9	2
1"	25	86	127	25.4	1"	33.8 - 34	21	79.4	108	11.5	50.8	2
1 1/4"	32	101	140	31.8	1 1/4"	42.5 - 42.8	25	88.9	117.5	13	63.5	2
1 1/2"	40	105	165	37.5	1 1/2"	48.6 - 48.9	22.5	98.4	127	14.5	73	2
2"	50	125	178	50	2"	61.1 - 61.4	26.5	120.7	152.4	16	92.1	2
2 1/2"	65	-	191	64	-	-	-	139.7	178	17.5	104.8	2
3"	80	-	203	75.4	-	-	-	152.4	190.5	19	127	2
4"	100	-	229	99.5	-	-	-	190.5	229	24	157.2	2

Note: 1. All Dimensions are in 'mm' otherwise stated.
2. Please refer to Design Office for higher sizes

End Connection:

Scope	Screwed / Socket weld End / Flanged End
Standard Supply	BSP / NPT / ANSI B 16.5 #150 RF
Optional	IS 554

Accessories:

- Gear Box
- Electrical Actuator
- Pneumatic Actuator

Hydrostatics Test Pressures:

Scope	Manufacturing Standard and Pressure Rating	Hydrostatic test Pressures Kg/Cm ²	
		Body	Seat
Standard Supply	#150	30	20



Enriching Lives

KIRLOSKAR BROTHERS LIMITED

Established 1888
A Kirloskar Group Company

REGISTERED OFFICE & GLOBAL HEADQUARTERS

“Yamuna”, S. No. 98/(3-7), Plot No. 3, Baner,
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Email: marketing@kbl.co.in | **Fax No.** 020 67211060

Website: www.kirloskarpumps.com | **CIN No.** L29113PN1920PLC000670

OUR COMPANIES



BRAYBAR PUMPS (PTY) LTD
Republic of South Africa



KARAD PROJECTS AND MOTORS LIMITED
India



KIRLOSKAR BROTHERS (THAILAND) LIMITED
Thailand



KIRLOSKAR CORROCOAT PRIVATE LIMITED
India



KIRLOSKAR EBARA PUMPS LIMITED
India



RODELTA PUMPS INTERNATIONAL B.V.
The Netherlands



SPP PUMPS LIMITED
United Kingdom



SYNCROFLO, INC.
U.S.A.