



2/2-way ball valve 3-piece

- Stainless steel ball valve
- High flow values
- High medium pressures
- Long service life
- ISO 5211 mounting flange



Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

	Type 2051 Pneumatic rotary actuator	▶
	Type 2053 Pneumatic rotary actuator for the automation of ball and butterfly valves	▶
	Type 3003 Electrical Rotary Actuator - On/Off and control	▶
	Type 3005 Electric Rotary Actuator - On/Off and Control	▶
	Type 3004 Explosion Proof Rotary Actuator - On/Off and control	▶
	Type 1061 Limit switch box for pneumatic rotary actuators	▶
	Type 8692 Digital electro-pneumatic positioner for integrated mounting on process control valves	▶

Type description

2/2-way ball valve in stainless steel for separating medium flows. The ball valves can be connected via the mechanical interface acc. to ISO 5211 to a pneumatic (e.g. Type 2051, Type 2052, Type 2053) or electric rotary actuator (e.g. Type 3003, Type 3004, Type 3005). Benefits

- low torques
- high flow values
- high medium pressure
- long service life
- maintenance friendly

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1. General Technical Data

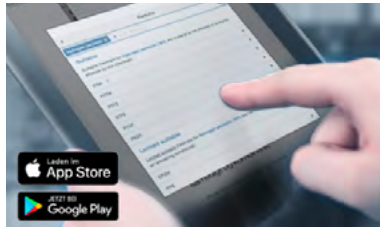
Note:

3-way ball valves with hand lever are included in data sheet TKU001 | 002 | 003 | 004. For further details see **Type TKU001 | 002 | 003 | 004** ▶.

Product properties	
Dimensions	Detailed information can be found in chapter "3. Dimensions" on page 4.
Materials	
Body	Stainless steel 1.4408
Ball	Stainless steel 1.4401
Selector shaft	Stainless steel 1.4401
Seal	PTFE (Ball seal) FKM (Selector shaft seal)
Nominal diameter/Orifice	DN10...100
Medium data	
Medium	Stainless steel body: aggressive media which do not attack the body and seal material
Medium temperature	- 10 °C...200 °C (see "4.1. Pressure temperature diagram" on page 7)
Medium pressure	See "3. Dimensions" on page 4 and "4.1. Pressure temperature diagram" on page 7)
Process/Port connection & communication	
Port connection	Rp ¼" - Rp 2" Whitworth thread acc. DIN EN 10226 - 1 (old DIN 2999) Weld end (universal - applicable to different welding standards) DIN Flange acc. to EN 1091 - 1 & EN 558 - 1 series 1-F1
Approvals and Certificates	
ISO head flange	EN ISO 5211

2. Materials

2.1. Chemical Resistance Chart – Bürkert resistApp



Bürkert resistApp – Chemical Resistance Chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

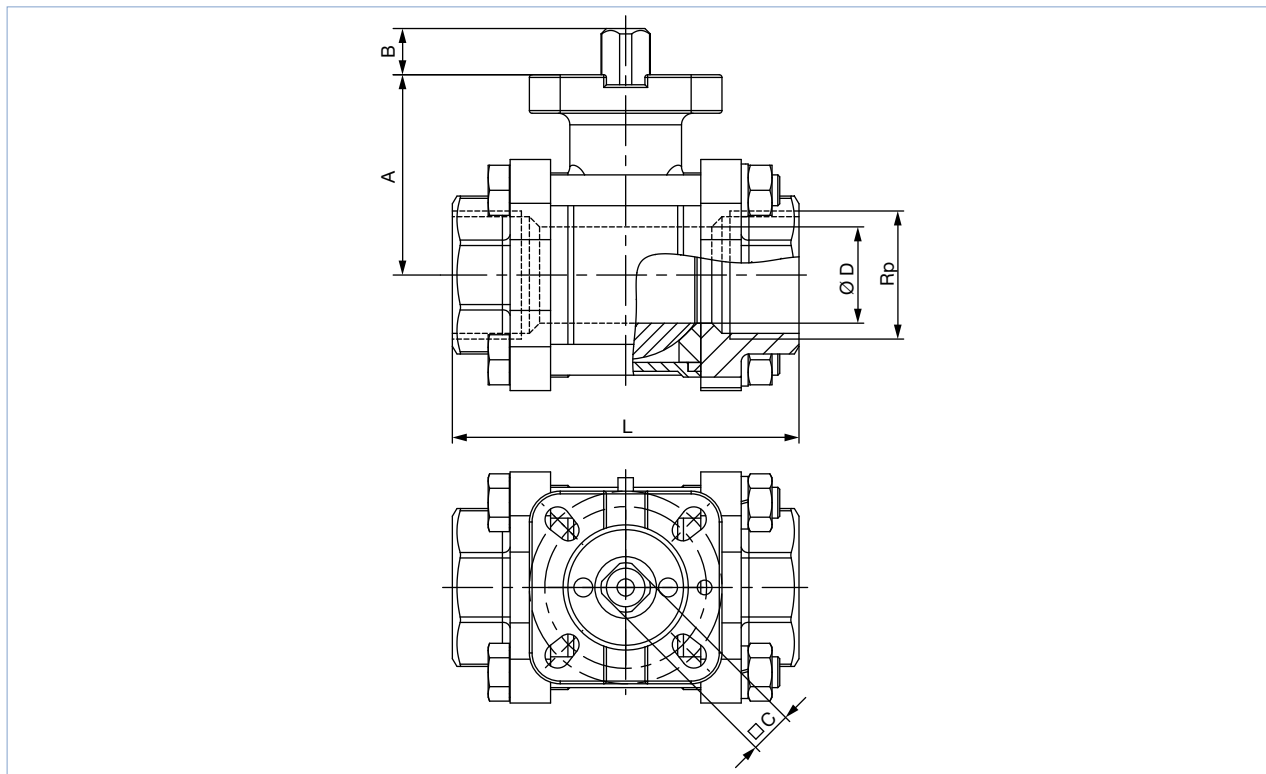
[Start Chemical Resistance Check](#)

3. Dimensions

3.1. Threaded version (PN63)

Note:

- Dimensions in mm
- 3-way ball valves with hand lever are included in data sheet TKU001 | 002 | 003 | 004. For further details see [Type TKU001 | 002 | 003 | 004](#) ▶.

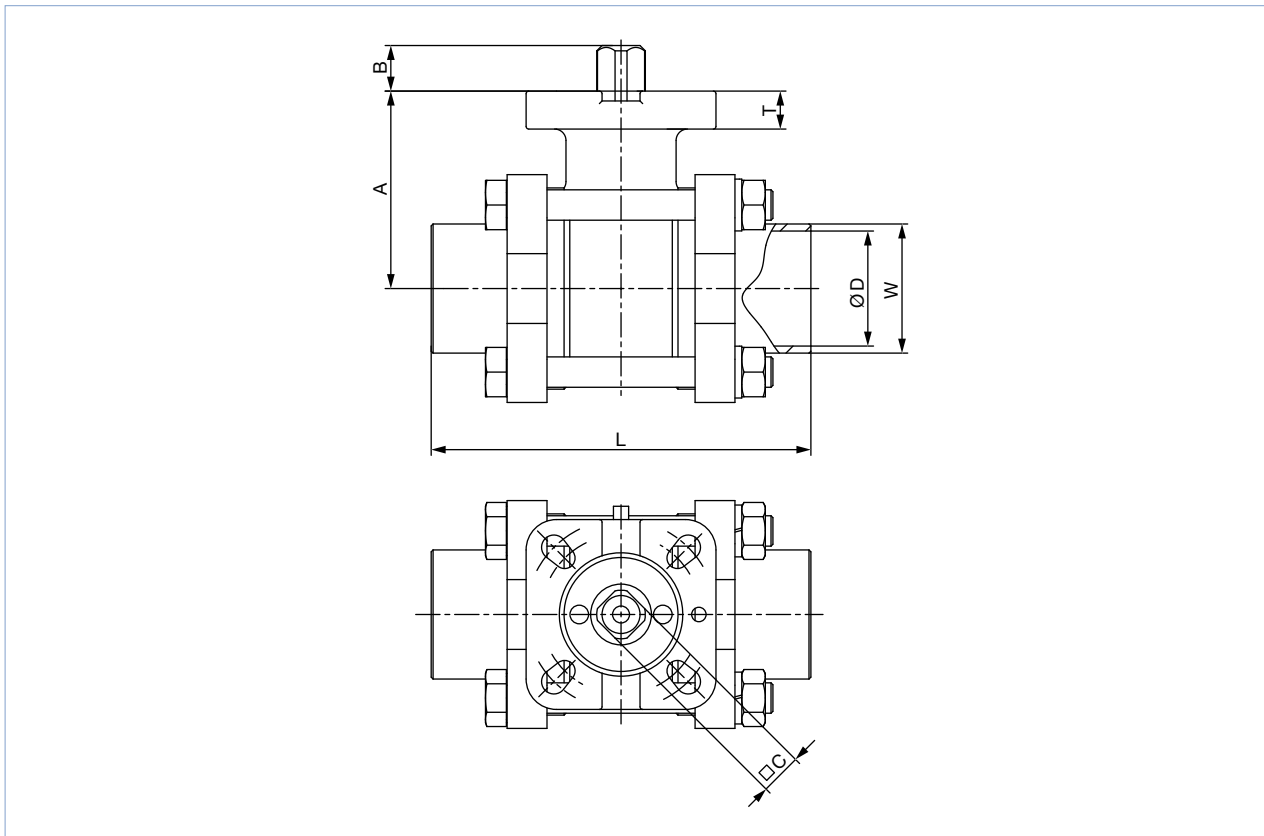


DN [mm]	Rp	D	L	A	B	C	ISO 5211	Article no.
10	¼"	10	65	40	7	9	F03 / F04	185994 ↗
12	⅜"	12	65	40	7	9	F03 / F04	185995 ↗
15	½"	16	75	40	7	9	F03 / F04	185996 ↗
20	¾"	20	80	44	7	9	F03 / F04	185997 ↗
25	1"	25	90	52	12	11	F04 / F05	185998 ↗
32	1¼"	32	110	58	12	11	F04 / F05	185999 ↗
40	1½"	40	120	68	16	14	F05 / F07	186000 ↗
50	2"	50	140	77	16	14	F05 / F07	186001 ↗
65	2½"	65	185	98	19	17	F07 / F10	186002 ↗
80	3"	80	205	110	19	17	F07 / F10	186003 ↗
100	4"	100	240	138	24	22	F10	217975 ↗

3.2. Weld end version (PN63)

Note:

- Dimensions in mm
- Universal - applicable to different welding standards
- 3-way ball valves with hand lever are included in data sheet TKU001 | 002 | 003 | 004. For further details see **Type TKU001 | 002 | 003 | 004** ▶.

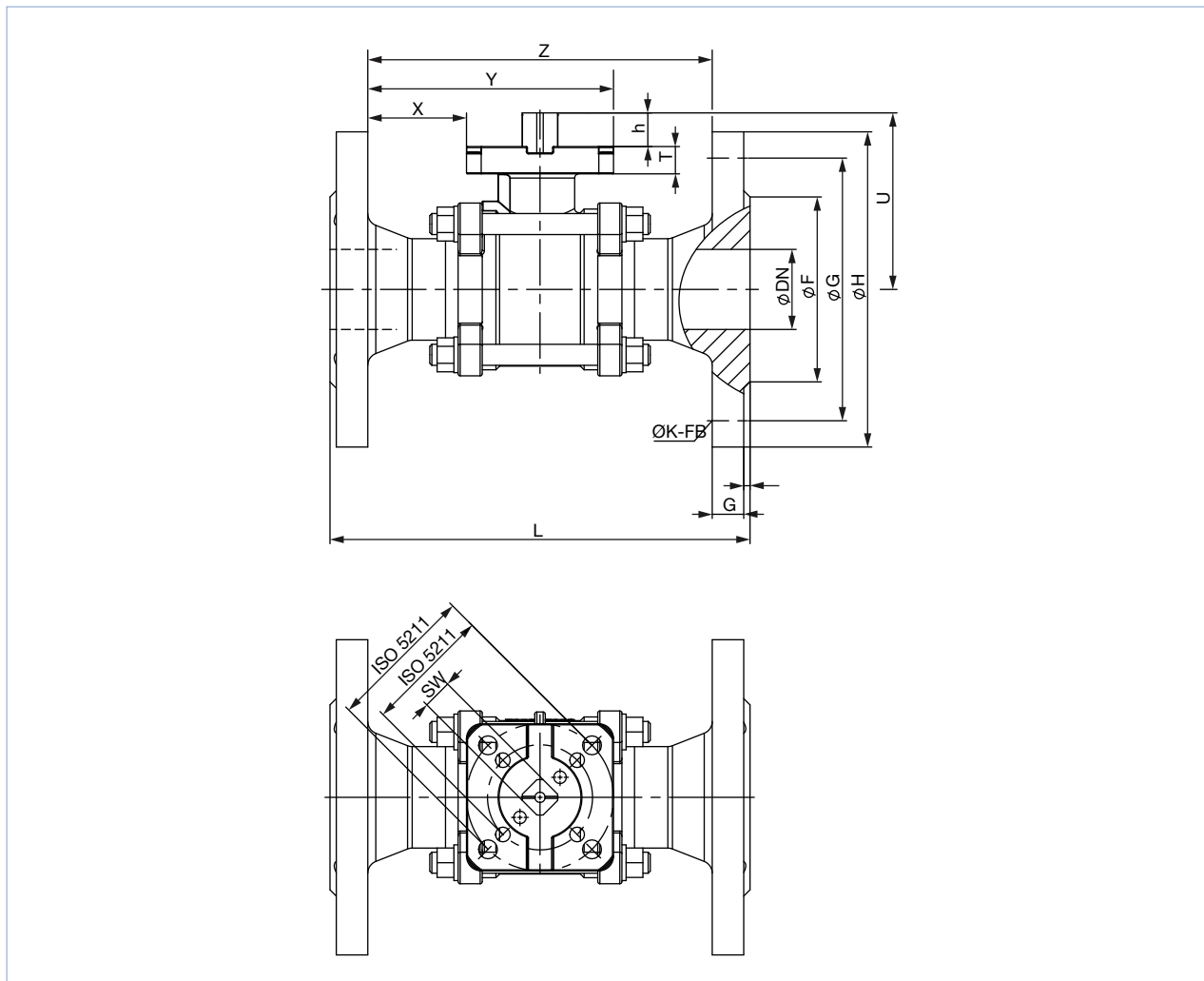


DN [mm]	W	D	L	A	B	C	ISO 5211	Article no.
12	19.3	12	75	40	9	9	F03 / F04	186004
15	23.3	16	75	40	9	9	F03 / F04	186005
20	28.2	20	90	44	9	9	F03 / F04	186006
25	33.8	25	100	52	12	11	F04 / F05	186007
32	41.1	32	110	58	12	11	F04 / F05	186008
40	49.0	40	125	68	16	14	F05 / F07	186009
50	62.0	50	150	77	16	14	F05 / F07	186010
65	78.0	65	190	98	19	17	F07 / F10	205429
80	94.3	80	220	110	19	17	F07 / F10	203221
100	125.2	100	270	138	24	22	F10	203222

3.3. Flange version (PN40)

Note:

- Dimensions in mm
- DIN Flange acc. to EN 1091 - 1 & EN 558 - 1 series 1-F1 (PN40)



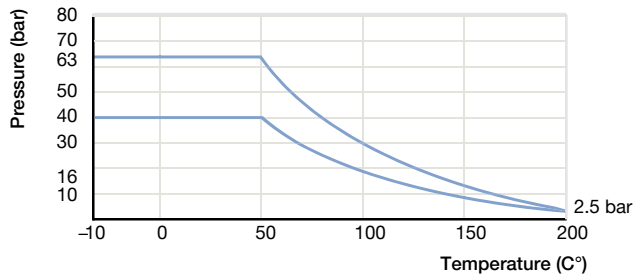
DN [mm]	L	ØF	ØG	ØH	U	T	h	G	D	X	Y	Z	ØK	FB	SW	ISO 5211	Article no.
15	130	45	65	95	47	9	7	16	2	26.5	70.5	97	M14	4	9	F03 / F04	276604
20	150	58	75	105	53	9	9	18	2	34.5	78.5	113	M14	4	9	F03 / F04	20028371
25	160	68	85	115	64	10	12	18	2	36.5	86.5	123	M14	4	11	F04 / F05	273904
32	180	78	100	140	70	10	12	18	2	47	96.5	144	M18	4	11	F04 / F05	263482
40	200	88	110	150	84	13	16	18	3	46	117	163	M18	4	14	F05 / F07	288136
50	230	102	125	165	93	13	16	20	3	59	130	189	M18	4	14	F05 / F07	189274
65	290	122	145	185	117	13	19	22	3	71	173	244	M18	8	17	F07 / F10	276605
80	310	138	160	200	129	13	19	24	3	79	181	260	M18	8	17	F07 / F10	204804
100	350	162	190	235	162	20	24	24	3	99	201	300	M22	8	22	F10	289476

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4. Performance specifications

4.1. Pressure temperature diagram

For general industrial use



4.2. Torques

Torques											
DN [mm]	8	10	15	20	25	32	40	50	65	80	100
Breakaway torque [Nm]	6	6	10	14	17	24	29	44	78	112	140
Running torque [Nm]	4	4	7	9	11	16	19	30	52	89	112

5. Product accessories

5.1. Wearing part set for ball valve Type 2654

Note:

Detailed ordering information can be found in chapter [“Wearing part set for ball valve Type 2654” on page 8.](#)

Description	Quantity	Material
V-Packing / Stem Packing	4	PTFE
O-Ring	1	FKM
Thrust washer	1	PTFE
Seat	2	PTFE
Body Gasket	2	PTFE

5.2. Lever for ball valve Type 2654

Note:

- Detailed ordering information can be found in chapter [“Lever for ball valve Type 2654” on page 9.](#)
- Cast iron hand lever in 1.4408, screw and travel stop included.

6. Ordering information

6.1. Bürkert eShop – Easy ordering and quick delivery



Bürkert eShop – Easy ordering and fast delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

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6.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

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6.3. Ordering chart threaded version

Note:

Detailed information can be found in chapter [“3.1. Threaded version \(PN63\)”](#) on page 4.

6.4. Ordering chart weld end version

Note:

Detailed information can be found in chapter [“3.2. Weld end version \(PN63\)”](#) on page 5.

6.5. Ordering chart accessories






Wearing part set for ball valve Type 2654

Note:

Detailed information can be found in chapter [“5.1. Wearing part set for ball valve Type 2654”](#) on page 7.

DN [mm]	Article no.
10	773127
12	770180
15	789821
20	789822
25	789823
32	789824
40	789825
50	789826
65	789827
80	789828
100	789829

Lever for ball valve Type 2654

DN [mm]	Article no.
10...20	770161 
25...32	789897 
40...50	789671 
65...80	770162 
100	770163 

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