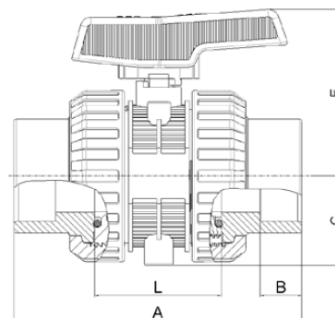


Features

- PVC, CPVC, PVDF, ABS, PP-H full bore ball valves
- Size range is 1/2" to 4"
- PTFE ball seats
- EPDM or Viton seals available
- Available plain solvent weld end, BSP, NPT or Flanged
- Can be actuated with electric or pneumatic actuator
- EU Manufactured
- Available for actuation via bracket and drive adapter

Operation

Turning the hand lever one quarter-turn (90°) rotates the ball from closed to the open position. Lever operated but can be actuated with an electric or pneumatic actuator.



Materials

Body	PVC-U
Ball	PVC-U
Seats	PTFE
Stem / Seals	EPDM or Viton
Lever	Supplied with valve

Dimension Table

Size	D	A	A*	L	B	C	E	Torque	ISO	Weight
DN15	D20	102	101	48	Call	26	53	1Nm	F05 x14	0.16Kg
DN20	D25	120	118	56	Call	31.5	65	2Nm	F05 x14	0.20Kg
DN25	D32	139	136	66	Call	36	73	3Nm	F05 x14	0.36Kg
DN32	D40	156	151	74	Call	45	88	4Nm	F05 x14	0.85Kg
DN40	D50	170	165	77	Call	51	102	5Nm	F05 x14	1.28Kg
DN50	D63	197	190	90	Call	61	114	15Nm	F05 x14	1.80Kg
DN65	D75	238	Call	117	Call	75	137	25Nm	F07 x17	2.85Kg
DN80	D90	278	Call	140	Call	88.5	153	45Nm	F07 x17	3.15Kg
DN100	D110	Call	Call	Call	Call	Call	Call	65Nm	F07 x17	6.45Kg

MANUFACTURER:



* For dry applications add 1.5 to the above torque figure as good practice, for wet/lubricating applications, use the above torque figures. Note A* is PP-H and PVDF Valves only.

Actuation Bracket for 2 1/2" to 4" valves

From 1/2" to 2" we have an actuation bracket and drive adapter. These allow direct mounting of your actuator, from 1/2" to 2" these are available as 11mm square drives or 14mm. For 2 1/2" to 4" the valves are direct mount F07 x 17mm. Simply remove the lever.



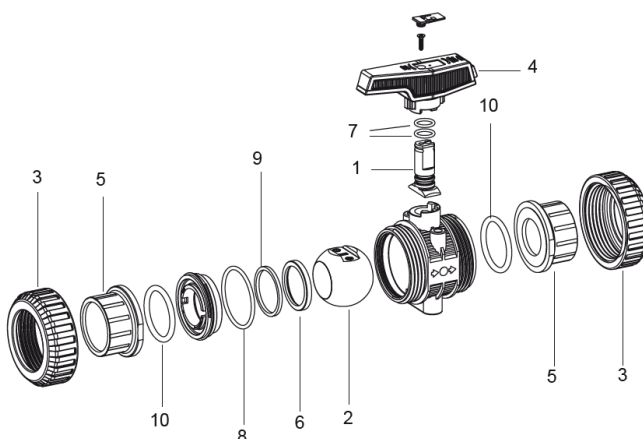
Materials of Construction:

This range of Hidroten PVC ball valves are available with a variety of ends and seals. The following table lists the different part numbers covering the different ends, metric and imperial with BSP threaded ends also covered.

*The image to the right shows our Pre Motor ball valves 2" to 4" using a box section style bracket.

Materials

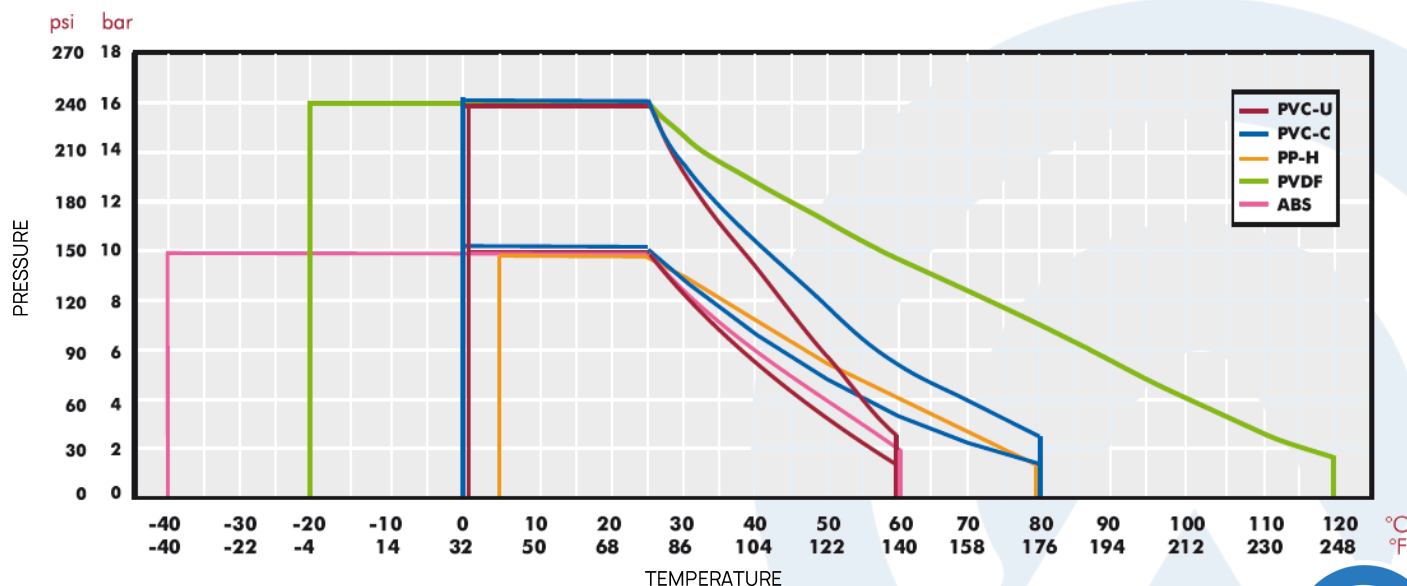
Item	Section	Material
1	Shaft	PVC-U/CPVC/PP-H/PVDF/ABS
2	Ball	PVC-U/CPVC/PP-H/PVDF/ABS
3	Union nut	PVC-U/CPVC/PP-H/PVDF/ABS
4	Lever	PVC-U/CPVC/PP-H/PVDF/ABS
5	End connector	PP+GF
6	Dampener seal	EPDM / FPM
7	Shaft o-ring	EPDM / FPM
8	Body o-ring	EPDM / FPM
9	Ball seat	PTFE
10	End connector	EPDM / FPM
11	Body	PVC-U/CPVC/PP-H/PVDF/ABS
12	Seal-carrier	PVC-U/CPVC/PP-H/PVDF/ABS



Kv/Cv Values

Item	Kv (l/min)	Cv (GPM)	Item	Kv (l/min)	Cv (GPM)
DN15	102	7.14	DN50	3475	3475
DN20	260	18.21	DN65	4167	4167
DN25	451	31.58	DN80	6300	6300
DN32	1627	113.94	DN100	6800	6800
DN40	2902	203.22	-	-	-

Pressure & Temperature Chart:



PVC Part Numbers:

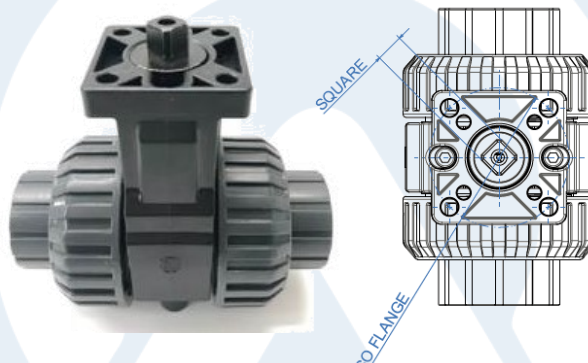
This range of Cepex Extreme ball valves are available with a variety of materials, ends and seals. The following table lists the different part numbers covering the different materials ends, metric and imperial with BSP threaded ends also covered.



Series	51001 - PVC Ball Valve EPDM / PTFE seats and seals, plain Metric solvent weld ends, lever operated. 								
Codes:	51001-D04	51001-D05	51001-D06	51001-D07	51001-D08	51001-D09	51001-D10	51001-D11	51001-D12
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100
Series	51001 - PVC Ball Valve Viton / PTFE seats and seals, plain Metric solvent weld ends, lever operated 								
Codes:	51002-D04	51002-D05	51002-D06	51002-D07	51002-D08	51002-D09	51002-D10	51002-D11	51002-D12
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100
Series	51003 - PVC Ball Valve EPDM / PTFE seats and seals, BSP Threaded ends, lever operated 								
Codes:	51003-04	51003-05	51003-06	51003-07	51003-08	51003-09	51003-10	51003-11	51003-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	51004 - PVC Ball Valve Viton / PTFE seats and seals, BSP Threaded ends, lever operated 								
Codes:	51004-04	51004-05	51004-06	51004-07	51004-08	51004-09	51004-10	51004-11	51004-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	51007 - PVC Ball Valve EPDM / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated 								
Codes:	51007-04	51007-05	51007-06	51007-07	51007-08	51007-09	51007-10	51007-11	51007-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	51008 - PVC Ball Valve Viton / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated 								
Codes:	51008-04	51008-05	51008-06	51008-07	51008-08	51008-09	51008-10	51008-11	51008-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	51011 - PVC Ball Valve Viton / PTFE seats and seals, Flanged ends, lever operated 								
Codes:	51011-04	51011-05	51011-06	51011-07	51011-08	51011-09	51011-10	51011-11	51011-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"

Actuation Bracket

Item	11mm Code	14mm Code	Item	11mm Code	14mm Code
DN15	51070-04	51702-04	DN50	51070-09	51702-09
DN20	51070-05	51702-05	DN65	N/A	N/A
DN25	51070-06	51702-06	DN80	N/A	N/A
DN32	51070-07	51702-07	DN100	N/A	N/A
DN40	51070-08	51702-08	-	-	-



Note that the DN65, DN80 and DN100 valves are direct mount. They are all F07 x 17mm ISO 5211. Simply remove the lever and you can direct mount your actuator.

ABS Part Numbers:

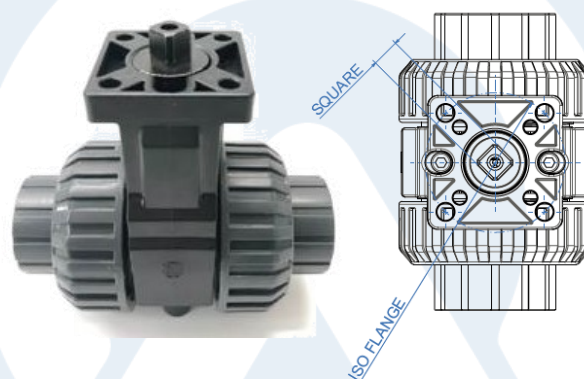
This range of Cepex Extreme ball valves are available with a variety of materials, ends and seals. The following table lists the different part numbers covering the different materials ends, metric and imperial with BSP threaded ends also covered.



Series	51012 - ABS Ball Valve EPDM / PTFE seats and seals, plain Metric solvent weld ends, lever operated. 								
Codes:	51012 -D04	51012 -D05	51012 -D06	51012 -D07	51012 -D08	51012 -D09	51012 -D10	51012 -D11	51012 -D12
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100
Series	51013 - ABS Ball Valve Viton / PTFE seats and seals, plain Metric solvent weld ends, lever operated 								
Codes:	51013 -D04	51013 -D05	51013 -D06	51013 -D07	51013 -D08	51013 -D09	51013 -D10	51013 -D11	51013 -D12
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100
Series	51014 - ABS Ball Valve EPDM / PTFE seats and seals, BSP Threaded ends, lever operated 								
Codes:	51014 -04	51014 -05	51014 -06	51014 -07	51014 -08	51014 -09	51014 -10	51014 -11	51014 -12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	510015- ABS Ball Valve Viton / PTFE seats and seals, BSP Threaded ends, lever operated 								
Codes:	51015-04	51015-05	51015-06	51015-07	51015-08	51015-09	51015-10	51015-11	51015-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	TBC - ABS Ball Valve EPDM / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated 								
Codes:	tbc-04	tbc-05	tbc-06	tbc-07	tbc-08	tbc-09	tbc-10	tbc-11	tbc-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	TBC- ABS Ball Valve Viton / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated 								
Codes:	tbc-04	tbc-05	tbc-06	tbc-07	tbc-08	tbc-09	tbc-10	tbc-11	tbc-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"

Actuation Bracket

Item	11mm Code	14mm Code	Item	11mm Code	14mm Code
DN15	51070-04	51702-04	DN50	51070-09	51702-09
DN20	51070-05	51702-05	DN65	N/A	N/A
DN25	51070-06	51702-06	DN80	N/A	N/A
DN32	51070-07	51702-07	DN100	N/A	N/A
DN40	51070-08	51702-08	-	-	-



Note that the DN65, DN80 and DN100 valves are direct mount. They are all F07 x 17mm ISO 5211 direct mount. Simply remove the lever and you can direct mount your actuator.

CPVC Part Numbers:

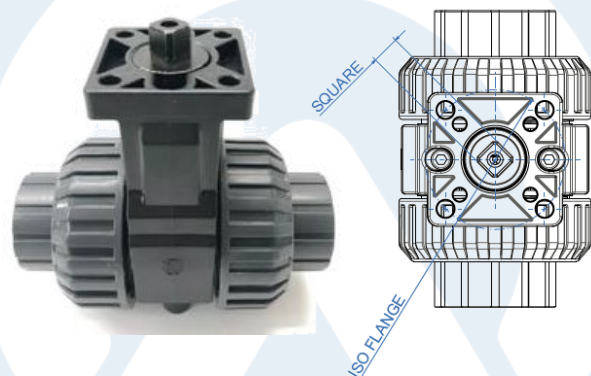
This range of Cepex Extreme ball valves are available with a variety of materials, ends and seals. The following table lists the different part numbers covering the different materials ends, metric and imperial with BSP threaded ends also covered.



Series	51016 - CPVC Ball Valve EPDM / PTFE seats and seals, plain Metric solvent weld ends, lever operated. 								
Codes:	51016 -D04	51016 -D05	51016 -D06	51016 -D07	51016 -D08	51016 -D09	51016 -D10	51016 -D11	51016 -D12
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100
Series	51017 - CPVC Ball Valve Viton / PTFE seats and seals, plain Metric solvent weld ends, lever operated 								
Codes:	51017 -D04	51017 -D05	51017 -D06	51017 -D07	51017 -D08	51017 -D09	51017 -D10	51017 -D11	51017 -D12
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100
Series	51018 - CPVC Ball Valve EPDM / PTFE seats and seals, BSP Threaded ends, lever operated 								
Codes:	51018 -04	51018 -05	51018 -06	51018 -07	51018 -08	51018 -09	51018 -10	51018 -11	51018 -12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	51019- CPVC Ball Valve Viton / PTFE seats and seals, BSP Threaded ends, lever operated 								
Codes:	51019-04	51019-05	51019-06	51019-07	51019-08	51019-09	51019-10	51019-11	51019-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	TBC - CPVC Ball Valve EPDM / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated 								
Codes:	tbc-04	tbc-05	tbc-06	tbc-07	tbc-08	tbc-09	tbc-10	tbc-11	tbc-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	TBC - CPVC Ball Valve Viton / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated 								
Codes:	tbc-04	tbc-05	tbc-06	tbc-07	tbc-08	tbc-09	tbc-10	tbc-11	tbc-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"

Actuation Bracket

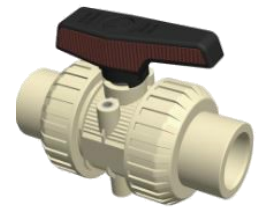
Item	11mm Code	14mm Code	Item	11mm Code	14mm Code
DN15	51070-04	51702-04	DN50	51070-09	51702-09
DN20	51070-05	51702-05	DN65	N/A	N/A
DN25	51070-06	51702-06	DN80	N/A	N/A
DN32	51070-07	51702-07	DN100	N/A	N/A
DN40	51070-08	51702-08	-	-	-



Note that the DN65, DN80 and DN100 valves are direct mount. They are all F07 x 17mm ISO 5211 direct mount. Simply remove the lever and you can direct mount your actuator.

PP-H Part Numbers:

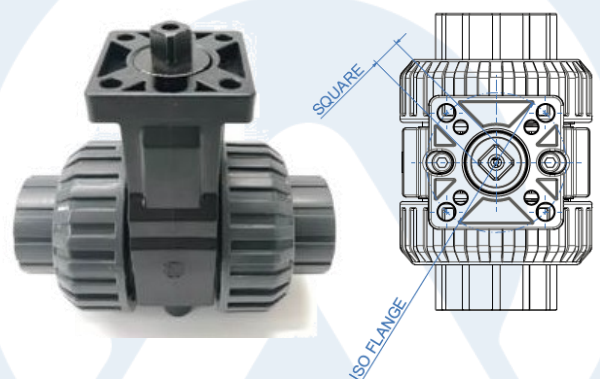
This range of Cepex Extreme ball valves are available with a variety of materials, ends and seals. The following table lists the different part numbers covering the different materials ends, metric and imperial with BSP threaded ends also covered.



Series	51021- PP-H Ball Valve EPDM / PTFE seats and seals, plain Metric solvent weld ends, lever operated.									
Codes:	51021-D04	51021-D05	51021-D06	51021-D07	51021-D08	51021-D09	51021-D10	51021-D11	51021-D12	
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100	
Series	51022 - PP-H Ball Valve Viton / PTFE seats and seals, plain Metric solvent weld ends, lever operated									
Codes:	51022 -D04	51022 -D05	51022 -D06	51022 -D07	51022 -D08	51022 -D09	51022 -D10	51022 -D11	51022 -D12	
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100	
Series	51023 - PP-H Ball Valve EPDM / PTFE seats and seals, BSP Threaded ends, lever operated									
Codes:	51023 -04	51023 -05	51023 -06	51023 -07	51023 -08	51023 -09	51023 -10	51023 -11	51023 -12	
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	
Series	51024- PP-H Ball Valve Viton / PTFE seats and seals, BSP Threaded ends, lever operated									
Codes:	51024-04	51024-05	51024-06	51024-07	51024-08	51024-09	51024-10	51024-11	51024-12	
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	
Series	TBC - PP-H Ball Valve EPDM / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated									
Codes:	tbc-04	tbc-05	tbc-06	tbc-07	tbc-08	tbc-09	tbc-10	tbc-11	tbc-12	
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	
Series	TBC - PP-H Ball Valve Viton / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated									
Codes:	tbc-04	tbc-05	tbc-06	tbc-07	tbc-08	tbc-09	tbc-10	tbc-11	tbc-12	
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	

Actuation Bracket

Item	11mm Code	14mm Code	Item	11mm Code	14mm Code
DN15	51070-04	51702-04	DN50	51070-09	51702-09
DN20	51070-05	51702-05	DN65	N/A	N/A
DN25	51070-06	51702-06	DN80	N/A	N/A
DN32	51070-07	51702-07	DN100	N/A	N/A
DN40	51070-08	51702-08	-	-	-



Note that the DN65, DN80 and DN100 valves are direct mount. They are all F07 x 17mm ISO 5211 direct mount. Simply remove the lever and you can direct mount your actuator.

PVDF Part Numbers:

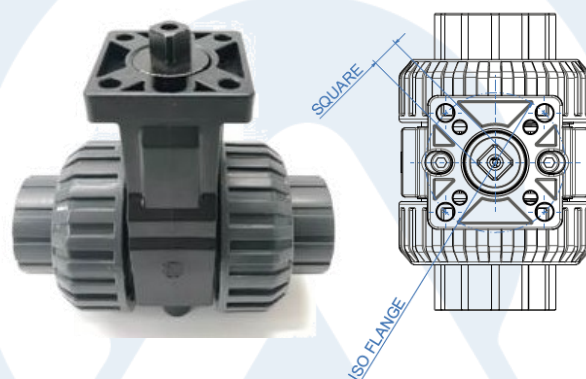
This range of Cepex Extreme ball valves are available with a variety of materials, ends and seals. The following table lists the different part numbers covering the different materials ends, metric and imperial with BSP threaded ends also covered.



Series	51026- PVDF Ball Valve EPDM / PTFE seats and seals, plain Metric solvent weld ends, lever operated. 								
Codes:	51026-D04	51026-D05	51026-D06	51026-D07	51026-D08	51026-D09	51026-D10	51026-D11	51026-D12
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100
Series	51027 - PVDF Ball Valve Viton / PTFE seats and seals, plain Metric solvent weld ends, lever operated 								
Codes:	51027 -D04	51027 -D05	51027 -D06	51027 -D07	51027 -D08	51027 -D09	51027 -D10	51027 -D11	51027 -D12
Size:	D20 DN15	D25 DN20	D32 DN25	D40 DN32	D50 DN40	D63 DN50	D75 DN65	D90 DN80	D110 DN100
Series	51028 - PVDF Ball Valve EPDM / PTFE seats and seals, BSP Threaded ends, lever operated 								
Codes:	51028 -04	51028 -05	51028 -06	51028 -07	51028 -08	51028 -09	51028 -10	51028 -11	51028 -12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	51029- PVDF Ball Valve Viton / PTFE seats and seals, BSP Threaded ends, lever operated 								
Codes:	51029-04	51029-05	51029-06	51029-07	51029-08	51029-09	51029-10	51029-11	51029-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	TBC - PVDF Ball Valve EPDM / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated 								
Codes:	tbc-04	tbc-05	tbc-06	tbc-07	tbc-08	tbc-09	tbc-10	tbc-11	tbc-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Series	TBC - PVDF Ball Valve Viton / PTFE seats and seals, Imperial BS Solvent Weld ends, lever operated 								
Codes:	tbc-04	tbc-05	tbc-06	tbc-07	tbc-08	tbc-09	tbc-10	tbc-11	tbc-12
Size:	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"

Actuation Bracket

Item	11mm Code	14mm Code	Item	11mm Code	14mm Code
DN15	51070-04	51702-04	DN50	51070-09	51702-09
DN20	51070-05	51702-05	DN65	N/A	N/A
DN25	51070-06	51702-06	DN80	N/A	N/A
DN32	51070-07	51702-07	DN100	N/A	N/A
DN40	51070-08	51702-08	-	-	-



Note that the DN65, DN80 and DN100 valves are direct mount. They are all F07 x 17mm ISO 5211 direct mount. Simply remove the lever and you can direct mount your actuator.