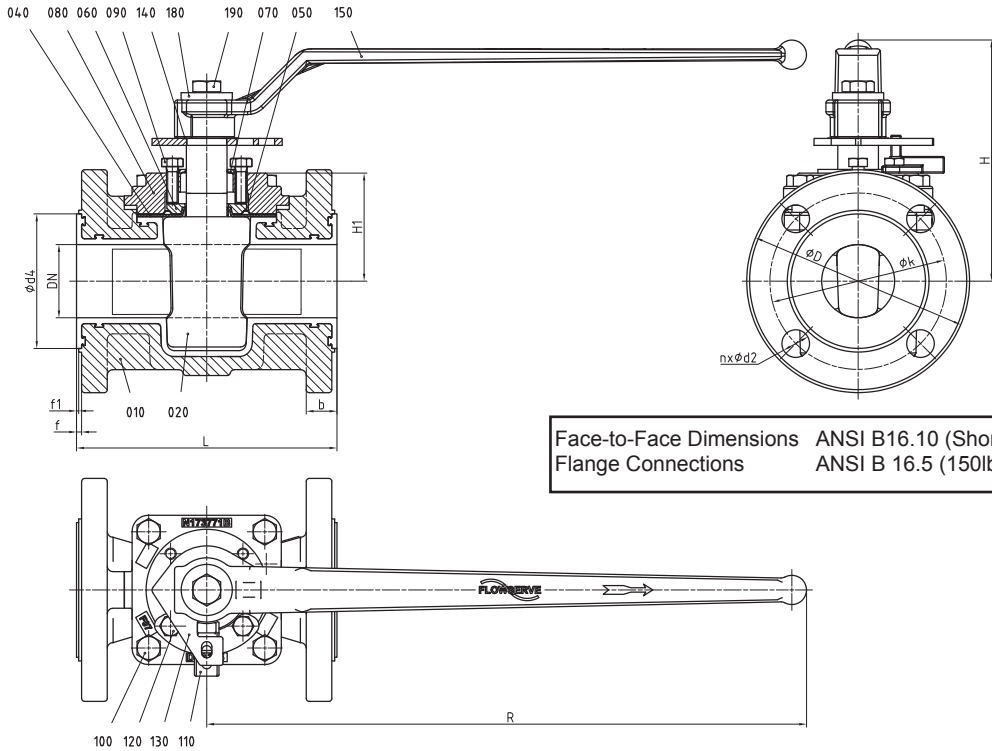


Register 18 Contents - T4E

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**Technical Data T4E-1
 DN½“ to DN6“**

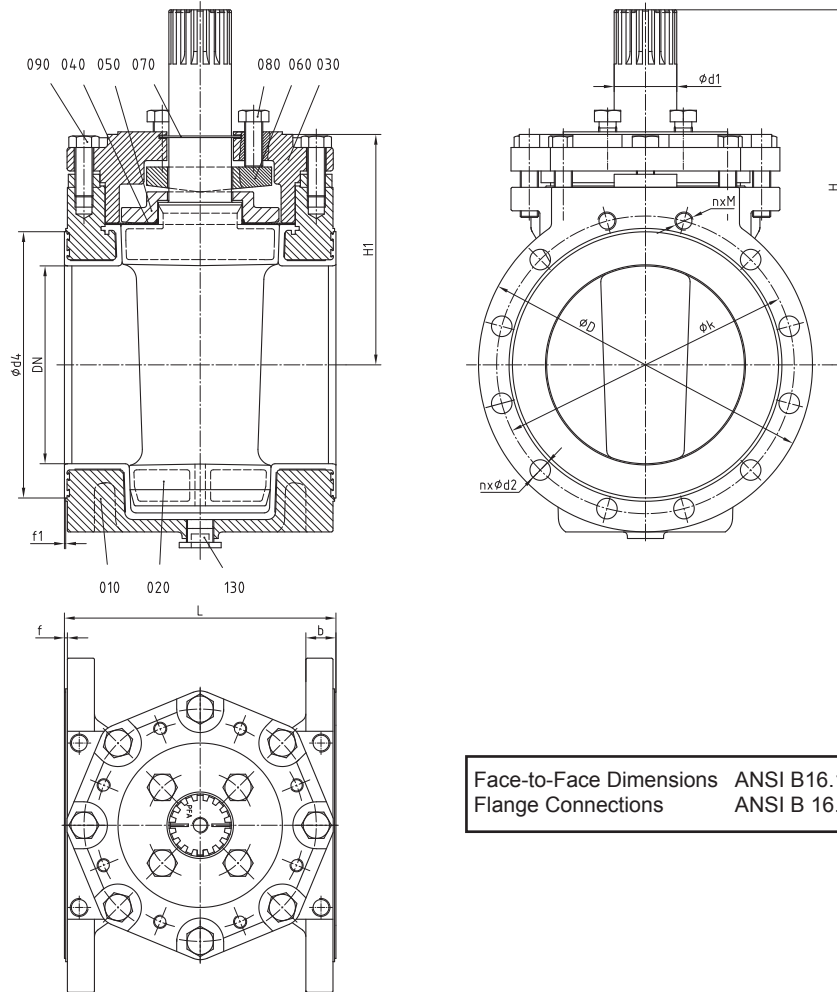


Face-to-Face Dimensions ANSI B16.10 (Short Pattern)
 Flange Connections ANSI B 16.5 (150lbs)

DN / ANSI		L	f1	f	b	H1	H	Ød4
½"	mm	108	1,5	3	14	53,8	139	36
	inch	4,25	0,06	0,12	0,55	2,12	5,47	1,42
¾"	mm	117,5	1,5	3	15,5	53,8	139	43
	inch	4,6	0,06	0,12	0,61	2,12	5,47	1,69
1"	mm	127	1,5	3	15,6	53,8	139	51
	inch	5	0,06	0,12	0,61	2,12	5,47	2,01
1½"	mm	165	2	4	20	62,9	145	73
	inch	6,5	0,08	0,16	0,79	2,48	5,71	2,87
2"	mm	178	1,5	3,5	21	73,8	165	92
	inch	7	0,06	0,14	0,83	2,91	6,5	3,62
3"	mm	203	1,5	3	25,5	86,4	179	127
	inch	8	0,06	0,12	1	3,4	7,05	5
4"	mm	229	2	4	26,5	106,9	222	157
	inch	9	0,08	0,16	1,04	4,21	8,74	6,18
6"	mm	267	2	4	28	141,4	-	208
	inch	10,5	0,08	0,16	1,1	5,57	-	8,19

DN / ANSI		ØD	R	Øk	nxd2	weight	
½"	mm	88,9	260	60,5	4x16	kg	3,7
	inch	3,5	10,24	2,38	4x0,63	lbs	8,2
¾"	mm	98,6	260	69,9	4x16	kg	4,1
	inch	3,88	10,24	2,75	4x0,63	lbs	9,0
1"	mm	107,9	260	79,2	4x16	kg	4,9
	inch	4,25	10,24	3,12	4x0,63	lbs	10,8
1½"	mm	127	260	98,6	4x16	kg	7,4
	inch	5	10,24	3,88	4x0,63	lbs	16,3
2"	mm	152,4	410	120,7	4x19	kg	11,3
	inch	6	16,14	4,75	4x0,75	lbs	24,9
3"	mm	190,5	410	152,4	4x19	kg	17,5
	inch	7,5	16,14	6	4x0,75	lbs	38,6
4"	mm	228,6	674	190,5	8x19	kg	31,1
	inch	9	26,54	7,5	8x0,75	lbs	68,5
6"	mm	282	-	240,5	8x23	kg	43,2
	inch	11,1	-	9,5	8x0,91	lbs	95,2

Technical Data T4E-1 DN8" to DN12"

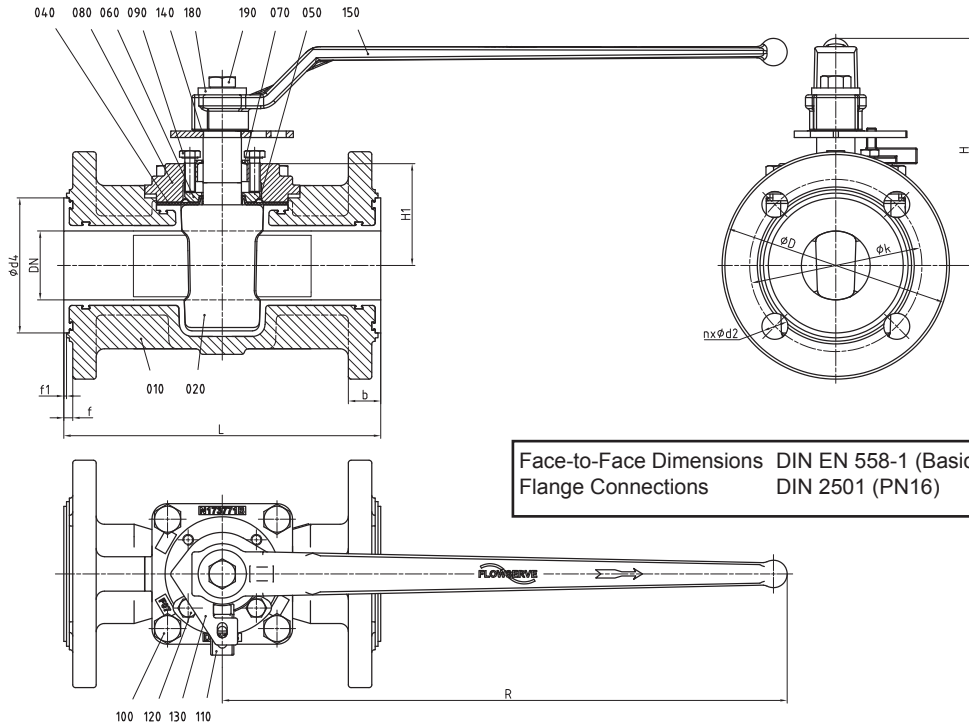


Face-to-Face Dimensions ANSI B16.10 (Short Pattern)
 Flange Connections ANSI B 16.5 (150lbs)

DN / ANSI		L	f1	f	b	H1	H	Ød4
8"	mm	292,1	2	4	27,5	235,4	362	262
	inch	11,5	0,08	0,16	1,08	9,27	14,25	10,32
10"	mm	330,2	2	4	37	280,2	431,8	316
	inch	13	0,08	0,16	1,46	11	17	12,44
12"	mm	355,6	2	4	40	301,6	454	381
	inch	14	0,08	0,16	1,57	11,87	17,87	15

DN / ANSI		ØD	Øk	nxd2	Ød1	nxM	weight	
8"	mm	342,9	298,5	6x22	63,4	2xUNC 3/4"	kg	157,0
	inch	13,5	11,75	6x0,87	2,5	2xUNC 3/4"	lbs	346,1
10"	mm	406,4	362	10x25	76,2	2xUNC 7/8"	kg	190,0
	inch	16	14,25	10x0,98	3	2xUNC 7/8"	lbs	418,9
12"	mm	482,6	431,8	10x25	76,2	2xUNC 7/8"	kg	220,0
	inch	19	17	10x0,98	3	2xUNC 7/8"	lbs	485,0

Technical Data T4E-2 DN15 to DN150

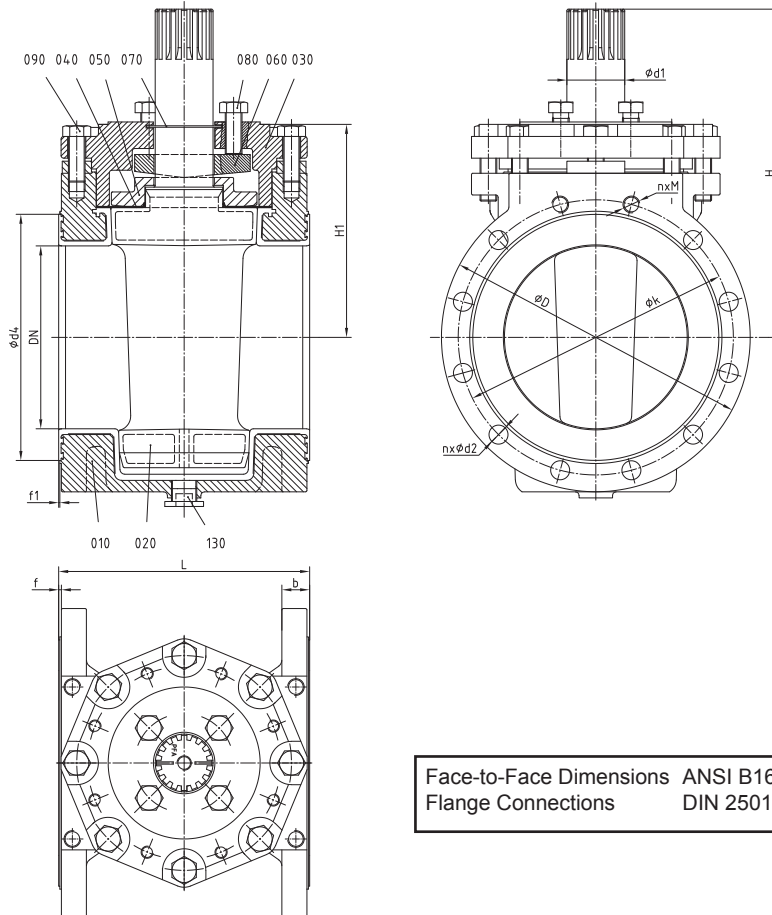


DN / DIN		L	f1	f	b	H1	H	Ød4
015	mm	130	2	6	18	53,8	139	42
	inch	5,12	0,08	0,24	0,71	2,12	5,47	1,65
020	mm	150	2	6	22	53,8	139	56
	inch	5,91	0,08	0,24	0,87	2,12	5,47	2,2
025	mm	160	2	6,5	20,5	53,8	139	65
	inch	6,3	0,08	0,26	0,81	2,12	5,47	2,56
040	mm	200	2	6,5	21,5	62,9	145	85
	inch	7,87	0,08	0,26	0,85	2,48	5,71	3,35
050	mm	230	2	6,5	23,5	73,8	165	98
	inch	9,06	0,08	0,26	0,93	2,91	6,5	3,86
080	mm	310	2,0	7	26	86,4	179	133
	inch	12,2	0,08	0,28	1,02	3,4	7,05	5,24
100	mm	350	2	7	28	106,9	222	152
	inch	13,78	0,08	0,28	1,1	4,21	8,74	5,98
150 *	mm	267	2	4	28	141,4	-	208
	inch	10,51	0,08	0,16	1,1	5,57	-	8,19

DN / DIN		ØD	R	Øk	nxd2	weight	
015	mm	95	260	65	4x14	kg	4,2
	inch	3,74	10,24	2,56	4x0,55	lbs	9,3
020	mm	105	260	75	4x14	kg	4,9
	inch	4,13	10,24	2,95	4x0,55	lbs	10,8
025	mm	115	260	85	4x14	kg	5,8
	inch	4,53	10,24	3,35	4x0,55	lbs	12,8
040	mm	150	260	110	4x19	kg	9,1
	inch	5,91	10,24	4,33	4x0,75	lbs	20,1
050	mm	165	410	125	4x19	kg	13,2
	inch	6,5	16,14	4,92	4x0,75	lbs	29,1
080	mm	200	410	160	8x19	kg	20,8
	inch	7,87	16,14	6,3	8x0,75	lbs	45,8
100	mm	220	674	180	8x19	kg	34,7
	inch	8,66	26,54	7,09	8x0,75	lbs	76,5
150 *	mm	282	-	240,5	8x23	kg	43,2
	inch	11,1	-	9,47	8x0,91	lbs	95,2

* Face-to-Face Dimensions acc. ANSI B 16.10 (Short Pattern)

Technical Data T4E-2 DN200 to DN300

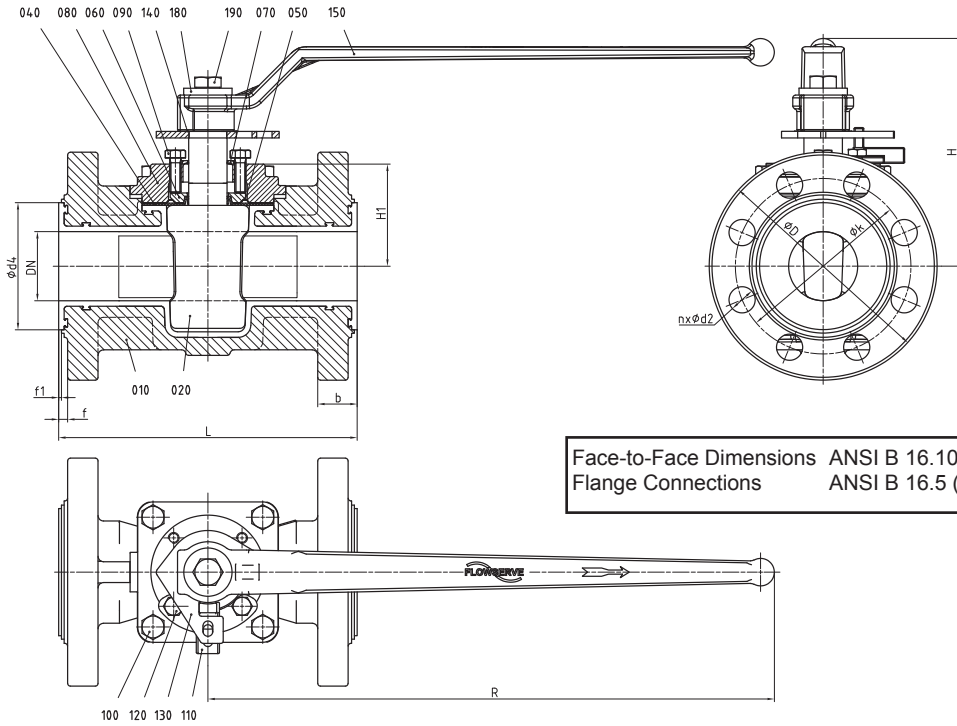


Face-to-Face Dimensions ANSI B16.10 (Short Pattern)
 Flange Connections DIN 2501 (PN10)

DN / DIN		L	f1	f	b	H1	H	Ød4
200	mm	292,1	2	4	27,5	235,4	362	262
	inch	11,5	0,08	0,16	1,08	9,27	14,25	10,32
250	mm	330,2	2	4	37	280,2	431,8	316
	inch	13	0,08	0,16	1,46	11	17	12,44
300	mm	355,6	2	4	40	301,6	454	381
	inch	14	0,08	0,16	1,57	11,87	17,87	15

DN / DIN		ØD	Øk	nxd2	Ød1	nxM	weight	
200	mm	342,9	295	6x22	63,4	2xM20	kg	157,0
	inch	13,5	11,61	6x0,87	2,5		lbs	346,1
250	mm	406,4	350	10x22	76,2	2xM20	kg	190,0
	inch	16	13,78	10x0,87	3		lbs	418,9
300	mm	482,6	400	10x22	76,2	2xM20	kg	220,0
	inch	19	15,75	10x0,87	3		lbs	485,0

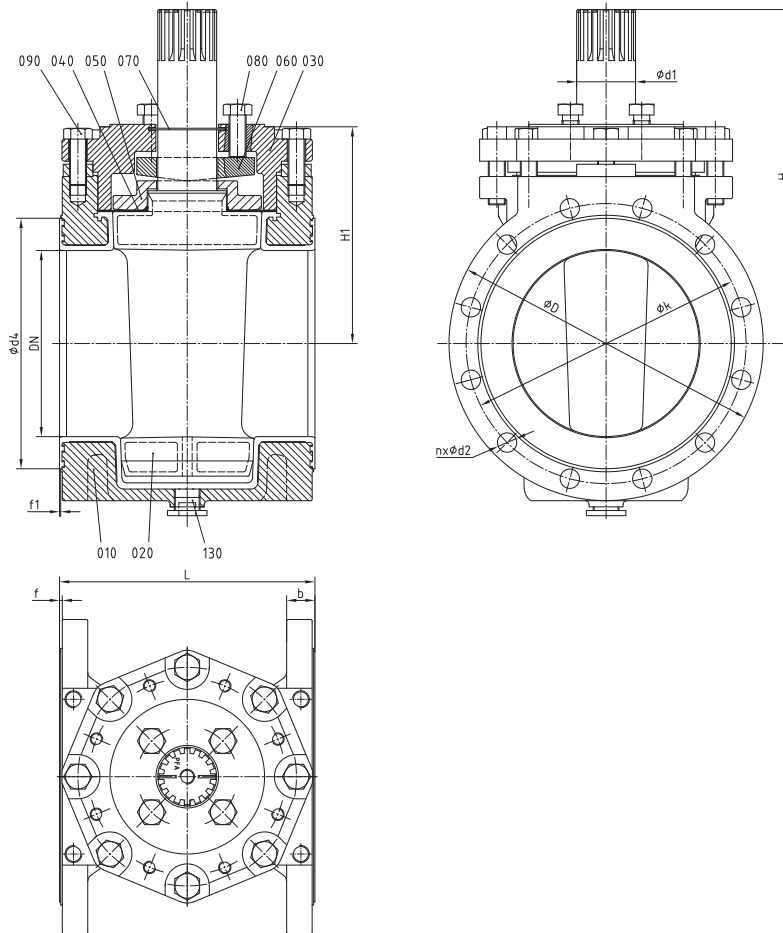
**Technical Data T4E-3
 DN1/2" to DN6"**



DN / ANSI		L	f1	f	b	H1	H	Ød4
1/2"	mm	139,5	2	4	17	53,8	139	36
	inch	5,5	0,08	0,16	0,67	2,12	5,47	1,42
3/4"	mm	152,5	2	6	21,5	53,8	139	43
	inch	6	0,08	0,24	0,85	2,12	5,47	1,69
1"	mm	165	2	6,5	22,5	53,8	139	65
	inch	6,5	0,08	0,26	0,89	2,12	5,47	2,56
1 1/2"	mm	190,5	2	6,5	25,5	62,9	145	85
	inch	7,5	0,08	0,26	1	2,48	5,71	3,35
2"	mm	216	2	6,5	28,5	73,8	165	98
	inch	8,5	0,08	0,26	1,12	2,91	6,5	3,86
3"	mm	282,5	2	7	34	86,4	179	133
	inch	11,12	0,08	0,28	1,34	3,4	7,05	5,24
4"	mm	305	2	7	37	106,9	222	152
	inch	12	0,08	0,28	1,46	4,21	8,74	5,98
6"	mm	403,5	2	7	42	141,4	-	208
	inch	15,88	0,08	0,28	1,65	5,57	-	8,19

DN / ANSI		ØD	R	Øk	nxd2	weight
1/2"	mm	95	260	66,5	4x16	kg 4,5
	inch	3,74	10,24	2,6	4x0,63	lbs 9,9
3/4"	mm	117,3	260	82,5	4x19	kg 5,6
	inch	4,62	10,24	3,25	4x0,75	lbs 12,3
1"	mm	123,9	260	88,9	4x19	kg 6,5
	inch	4,88	10,24	3,5	4x0,75	lbs 14,3
1 1/2"	mm	155,4	260	114,3	4x22,5	kg 10,1
	inch	6,12	10,24	4,5	4x0,89	lbs 22,3
2"	mm	165	410	127	8x19	kg 14,0
	inch	6	16,14	5	8x0,75	lbs 30,9
3"	mm	209,5	410	168	8x22,5	kg 23,7
	inch	8,25	16,14	6,61	8x0,89	lbs 52,2
4"	mm	254	674	200	8x22,5	kg 42,4
	inch	10	26,54	7,87	8x0,89	lbs 93,5
6"	mm	317,5	-	269,7	12x22,5	kg 69,2
	inch	12,5	-	10,62	12x0,89	lbs 152,5

Technical Data T4E-3 DN8“, 10“



Face-to-Face Dimensions ANSI B 16.10
 Flange Connections ANSI B 16.5 (300lbs)

DN / ANSI		L	f1	f	b	H	H1	Ød4
8"	mm	419	2	4	43	362	235,4	262
	inch	16,5	0,08	0,16	1,69	14,25	9,27	10,32
10"	mm	457	2	4	50	432	280,3	316
	inch	18	0,08	0,16	1,97	17,01	11,04	12,44

DN / ANSI		ØD	Øk	nxd2	Ød1	weight	
8"	mm	381	330,2	12x25,4	63,4	kg	156,0
	inch	15	13	12x1	2,5	lbs	343,9
10"	mm	445	387,5	8x28,5	76,2	kg	216,0
	inch	17,5	15,26	8x1,1	3	lbs	476,2

Technical Manual

Material specification T4E-1 DN $\frac{1}{2}$ " to DN6"

No.	Designation	Pieces	Material	Material-No. / DIN
010	body	1	DCI ASTM A395 / PFA lined	0.7043 / DIN EN 1563
020	plug	1	DCI ASTM A395 / PFA lined	0.7043 / DIN EN 1563
040	diaphragm	1	PFA	
050*	metal diaphragm	1	302 SS	~1.8815
060	thrust gland	1	304 SS	~1.5523
070	grounding spring	1	302 SS	~1.8815
080	top cap	1	DCI ASTM A395	0.7043 / DIN EN 1563
090	adjuster bolt	1 set	ASTM A193 GRADE B7	~1.7225 / DIN EN 10083-1
100	top cap bolt	1 set	ASTM A193 GRADE B7	~1.7225 / DIN EN 10083-1
110	stop	1	D4 ASTM A351/A744 Grade CF-8M (316 SS)	1.4408 / DIN EN 10213-4
120	stop fastener	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
130	stop collar	1	carbon steel, protective plated	
140	stop collar retainer	1	302 SS	~1.8815
150	wrench	1	EN-JS1082 (GGG-50)	0.7050 / DIN EN 1563
180	washer	1	Stainless Steel	1.4301 / DIN EN 10088-3
190	hexagon bolt	1	Stainless Steel	1.4301 / DIN EN 10088-3

* optional

Material specification T4E-1 DN8" to DN12"

► Ductile Cast Iron

No.	Designation	Pieces	Material	Material-No. / DIN
010	body	1	DCI ASTM A395 / PFA lined	0.7043 / DIN EN 1563
020	plug	1	CD4M ASTM A351 Gr CD4MCu / PFA lined	
030	top cap	1	DCI ASTM A395	0.7043 / DIN EN 1563
040	diaphragm	1	PFA	
050	thrust gland	1	CD4M ASTM A351 Gr CD4MCu	
060	adjuster	1	CD4M ASTM A351 Gr CD4MCu	
070	grounding spring	1	302 SS	~1.8815
080	adjuster bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
090	hexagon bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
130	locking screw	1	X 5 CrNiMo 17-12-2	1.4401 / DIN EN 10088

► Stainless Steel

No.	Designation	Pieces	Material	Material-No. / DIN
010	body	1	D4 ASTM A744 Gr. CF-8M / PFA lined	1.4408 / DIN EN 10213-4
020	plug	1	CD4M ASTM A351 Gr CD4MCu / PFA lined	
030	top cap	1	CD4M ASTM A351 Gr CD4MCu	0.7043 / DIN EN 1563
040	diaphragm	1	PFA	
050	thrust gland	1	CD4M ASTM A351 Gr CD4MCu	
060	adjuster	1	CD4M ASTM A351 Gr CD4MCu	
070	grounding spring	1	302 SS	~1.8815
080	adjuster bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
090	hexagon bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
130	locking screw	1	X 5 CrNiMo 17-12-2	1.4401 / DIN EN 10088



Material specification T4E-2 DN15 to DN150

No.	Designation	Pieces	Material	Material-No. / DIN
010	body	1	DCI ASTM A395 / PFA lined	0.7043 / DIN EN 1563
020	plug	1	DCI ASTM A395 / PFA lined	0.7043 / DIN EN 1563
040	diaphragm	1	PFA	
050*	metal diaphragm	1	302 SS	~1.8815
060	thrust gland	1	304 SS	~1.5523
070	grounding spring	1	302 SS	~1.8815
080	top cap	1	DCI ASTM A395	0.7043 / DIN EN 1563
090	adjuster bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
100	top cap bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
110	stop	1	D4 ASTM A351/A744 Grade CF-8M (316 SS)	1.4408 / DIN EN 10213-4
120	stop fastener	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
130	stop collar	1	carbon steel, protective plated	
140	stop collar retainer	1	302 SS	~1.8815
150	wrench	1	EN-JS1082 (GGG-50)	0.7050 / DIN EN 1563
180	washer	1	Stainless Steel	1.4301 / DIN EN 10088-3
190	hexagon bolt	1	Stainless Steel	1.4301 / DIN EN 10088-3

* optional

Material specification T4E-2 DN200 to DN300

➤ Ductile Cast Iron

No.	Designation	Pieces	Material	Material-No. / DIN
010	body	1	DCI ASTM A395 / PFA lined	0.7043 / DIN EN 1563
020	plug	1	CD4M ASTM A351 Gr CD4MCu / PFA lined	
030	top cap	1	DCI ASTM A395	0.7043 / DIN EN 1563
040	diaphragm	1	PFA	
050	thrust gland	1	CD4M ASTM A351 Gr CD4MCu	
060	Adjuster	1	CD4M ASTM A351 Gr CD4MCu	
070	grounding spring	1	302 SS	~1.8815
080	adjuster bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
090	hexagon bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
130	locking screw	1	X 5 CrNiMo 17-12-2	1.4401 / DIN EN 10088

➤ Stainless Steel

No.	Designation	Pieces	Material	Material-No. / DIN
010	body	1	D4 ASTM A744 Gr. CF-8M / PFA lined	1.4408 / DIN EN 10213-4
020	plug	1	CD4M ASTM A351 Gr CD4MCu / PFA lined	
030	top cap	1	CD4M ASTM A351 Gr CD4MCu	0.7043 / DIN EN 1563
040	diaphragm	1	PFA	
050	thrust gland	1	CD4M ASTM A351 Gr CD4MCu	
060	adjuster	1	CD4M ASTM A351 Gr CD4MCu	
070	grounding spring	1	302 SS	~1.8815
080	adjuster bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
090	hexagon bolt	1 set	Stainless Steel	1.4301 / DIN EN 10088-3
130	locking screw	1	X 5 CrNiMo 17-12-2	1.4401 / DIN EN 10088

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Material specification T4E-3 DN1½“ to DN6“

No.	Designation	Pieces	Material	Material-No. / DIN
010	body	1	DS ASTM A216 Grade WCB / PFA lined	~1.0619 / DIN EN 10213-2
020	plug	1	DCI ASTM A395 / PFA lined	0.7043 / DIN EN 1563
040	diaphragm	1	PFA	
	metal diaphragm	1	302 SS	~1.8815
060	thrust gland	1	304 SS	~1.5523
070	grounding spring	1	302 SS	~1.8815
080	top cap	1	CD4M ASTM A351 Gr CD4MCuN	
090	adjuster bolt	1 set	ASTM A193 GRADE B7	~1.7225 / DIN EN 10083-1
100	top cap bolt	1 set	ASTM A193 GRADE B7	~1.7225 / DIN EN 10083-1
110	stop	1	D4 ASTM A351/A744 Grade CF-8M (316 SS)	1.4408 / DIN EN 10213-4
120	stop fastener	1 set	stainless steel	1.4301 / DIN EN 10088-3
130	stop collar	1	carbon steel, protective plated	
140	stop collar retainer	1	302 SS	~1.8815
150	wrench	1	EN-JS1082 (GGG-50)	0.7050 / DIN EN 1563
180	washer	1	stainless steel	1.4301 / DIN EN 10088-3
190	hexagon bolt	1	stainless steel	1.4301 / DIN EN 10088-3

* optional

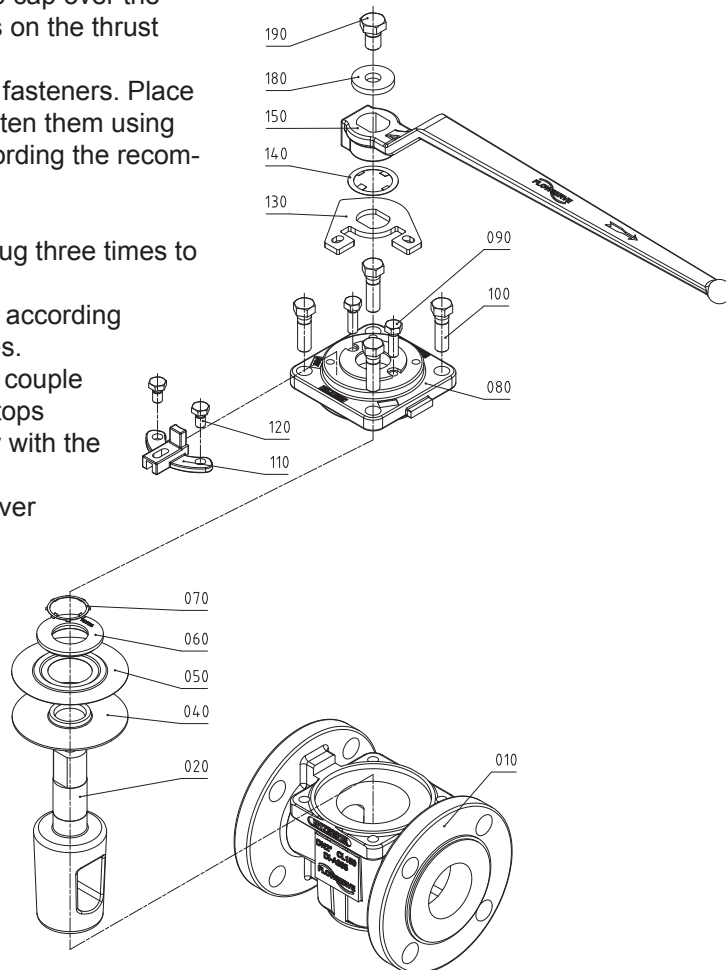
Material specification T4E-3 DN8“, 10“

No.	Designation	Pieces	Material	Material-No. / DIN
010	body	1	DS ASTM A216 Grade WCB / PFA lined	~1.0619 / DIN EN 10213-2
020	plug	1	CD4M ASTM A351 Gr CD4MCu / PFA lined	
030	top cap	1	CD4M ASTM A351 Gr CD4MCu	
040	diaphragm	1	PFA	
050	thrust gland	1	CD4M ASTM A351 Gr CD4MCu	
060	adjuster	1	CD4M ASTM A351 Gr CD4MCu	
070	grounding spring	1	302 SS	~1.8815
080	adjuster bolt	1 set	Class 8.8 (Metric) yellow chromated	
090	hexagon bolt	1 set	Class 8.8 (Metric) yellow chromated	
130	locking screw	1	X 5 CrNiMo 17-12-2	1.4401 / DIN EN 10088

Assembly instructions T4E

The general installation and maintenance instructions must be observed.

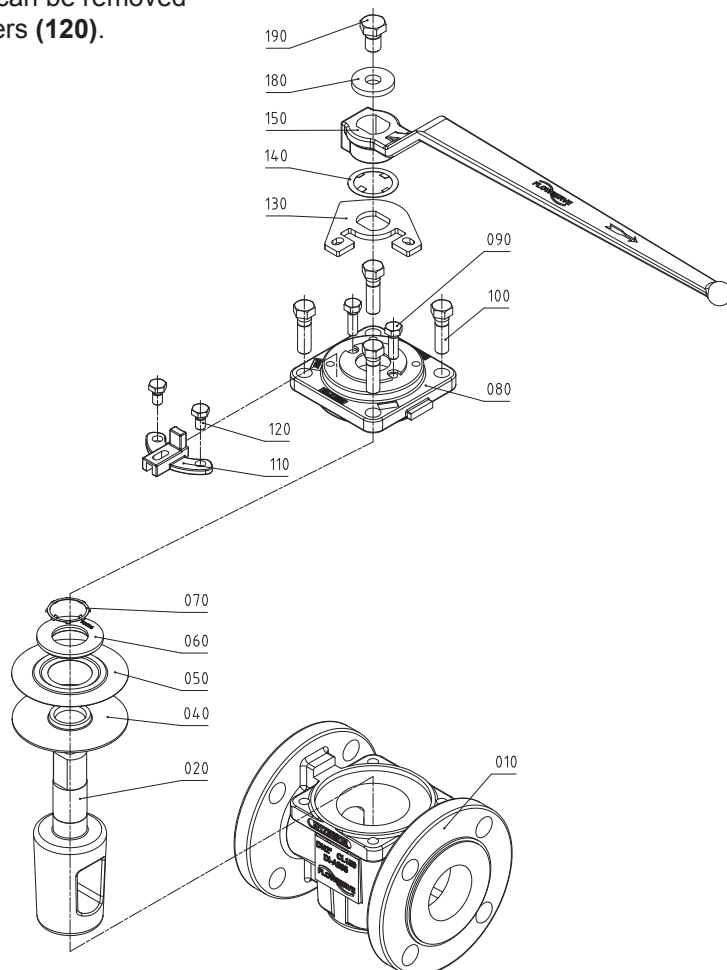
1. Plug Subassembly:
 - 1.1 Assemble PFA diaphragm (040) over the plug stem (020) with the aid of diaphragm guide.
 - 1.2 Place metal diaphragm (050) (optional) and thrust gland (060) over the plug stem and slide it down to the PFA diaphragm.
 - 1.3 Remove the guide.
 - 1.4 Place the grounding spring (070) over the plug stem and slide it down to the thrust gland.
2. Top Cap Subassembly:
 - 2.1 Adjusting the hexagon bolts (090) so the bottom of the thrust gland is flush with the bottom face of the top cap (080).
 - 2.2 Assembly the stop (110) using the hexagon bolts (120).
3. Apply a thin, even film of silicone to the entire outside surface of the plug.
4. Place the pre-assembled plug into the body. The plug ports shall be lined up in the open position.
5. Slide the pre-assembled top cap over the plug stem down until it rests on the thrust gland.
6. Apply Loctite to the top cap fasteners. Place the four bolts (100) and tighten them using the criss-cross method according the recommended torques.
7. Loosen the adjuster bolts (1/4-1/2 turn) and rotate the plug three times to make it move upward.
8. Retighten the adjuster bolts according to the recommended torques.
9. Open and close the valve a couple of times to make sure the stops lines the plug ports properly with the runs in the body.
10. Slide the stop collar (130) over the stem afterwards place the stop collar retainer (140).
11. Place the wrench (150) and fasten it by using the washer (180) and the bolt (190).
12. All valves shall be seat tested in both flow directions.



Disassembly instructions T4E

For all jobs which are to be carried out on an installed valve, the works safety requirements and the general accident prevention instructions must be observed. Moreover, the general installation and maintenance instructions for atomac fluorocarbon resin lined valves must be considered.

1. Prior to disassembly, the valve must be cleared of all fluid according to the above-mentioned instructions. Particular care must be taken that during rinsing and draining of the piping, the valve is opened and closed repeatedly. These cycles (opening and closing) are to be repeated during draining of the piping. Only when following this procedure, is it ensured that all remaining pressure inside the body is eliminated.
2. For disassemble the valve put the body on a work bench with a soft cover (rubber mat).
3. Disassemble the wrench by removing the bolt (190) and washer (180).
4. By pushing up the stop collar (130) the stop collar retainer (140) can easily be removed.
5. Unscrew the top cap bolts (100) and remove the top cap (080) from the body (010).
6. Turn the plug (020) several timer to make it move upwards.
7. Remove the grounding spring (070), thrust gland (060), metal diaphragm (050) (optional) and the PFA diaphragm (040).
8. If necessary the stop (110) can be removed by unscrew the stop fasteners (120).



T4E1 and T4E2 - Recommended tightening torques* (150lbs a. PN16)

DN		top cap bolts (100)		adjuster bolts (090)	
		Nm	in.lbs	Nm	in.lbs
015	1/2"	-	-	-	-
020	3/4"	-	-	-	-
025	1"	10	89	4	35
040	1 1/2"	10	89	4	35
050	2"	18	159	4	35
080	3"	33	292	6	53
100	4"	44	389	8	71
150	6"	70	620	17	150
200	8"	108	956	14	124
250	10"	165	1460	50	443
300	12"	150	1328	50	443

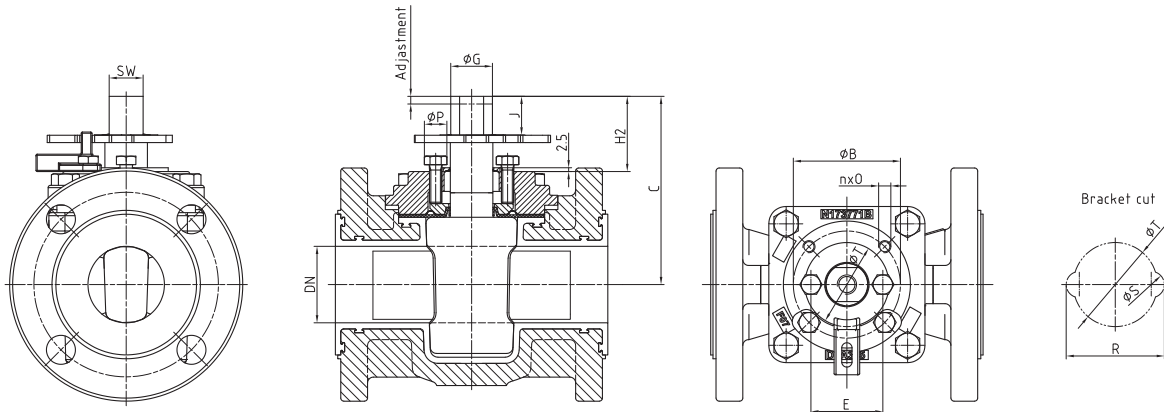
* maximum valve

T4E3 - Recommended tightening torques* (300lbs)

DN	top cap bolts (100)		adjuster bolts (090)	
	Nm	in.lbs	Nm	in.lbs
1/2"	-	-	-	-
3/4"	-	-	-	-
1"	14	124	4	35
1 1/2"	14	124	4	35
2"	27	239	4	35
3"	48	425	6	53
4"	84	743	8	71
6"	150	1328	17	150
8"	150	1328	14	124

* maximum valve

T4E - Dimension sheet for actuator mounting



DN	SW	ØG	ØP	J	E	H2	C	ØB	nxO	R	ØS	ØT	Adjustment	F-Size DIN/ISO 521	
015	mm	16,6	20	13	15,5	38	38,5	92,5	50	4xM6	54	16	35	2	F05
	inch	0,65	0,79	0,51	0,61	1,5	1,52	3,64	1,97		2,13	0,63	1,38	0,08	
020	mm	16,6	20	13	15,5	38	38,5	92,5	50	4xM6	54	16	35	2	F05
	inch	0,65	0,79	0,51	0,61	1,5	1,52	3,64	1,97		2,13	0,63	1,38	0,08	
025	mm	16,6	20	15	15,5	38	38,7	92,5	50	4xM6	58	20	35	2	F05
	inch	0,65	0,79	0,59	0,61	1,5	1,52	3,64	1,97		2,28	0,79	1,38	0,08	
040	mm	16,6	20	15	19	38	37,7	102	50	4xM6	58	20	35	2	F05
	inch	0,65	0,79	0,59	0,75	1,5	1,48	4,02	1,97		2,28	0,79	1,38	0,08	
050	mm	22,2	27,2	15	25,2	47	49	103	70	4xM8	67	20	55	2	F07
	inch	0,87	1,07	0,59	0,99	1,85	1,93	4,06	2,76		2,64	0,79	2,17	0,08	
080	mm	22,1	27,2	22	25,2	54	50,6	137	70	4xM8	80	26	55	4	F07
	inch	0,87	1,07	0,87	0,99	2,13	1,99	5,39	2,76		3,15	1,02	2,17	0,16	
100	mm	36	42,8	22	40,4	73	70,2	177	102	4xM10	99	26	70	4	F10
	inch	1,42	1,69	0,87	1,59	2,87	2,76	6,97	4,02		3,90	1,02	2,76	0,16	
150*	mm	36	42,8	35	40,4	86	67,7	209	125	4xM12	126	40	85	5	F12
	inch	1,42	1,69	1,38	1,59	3,39	2,67	8,23	4,92		4,96	1,57	3,35	0,2	

* Face to Face Dimensions acc. ANSI B 16.10

T4E - K_v Data and C_v Data (DIN EN 60534-2-3)

DIN	ANSI	K_v m ³ /h	C_v gal/min
015	1/2"	-	-
020	3/4"	-	-
025	1"	32	37
040	1 1/2"	70*	81*
050	2"	133	155
080	3"	230*	267*
100	4"	472*	549*
150	6"	863*	1003*
200	8"	-	-
250	10"	-	-
300	12"	-	-

* estimated value