

Design acc. : AD 2000 A4, ATEX 2014/34/EU, EN 1984.

End to end : EN 12982 Ser.15/Ser.26

BW ends: EN 12627 Fig1/Fig2

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing

TA-Luft Gasket

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)

Body : 1.0619N /1.4408

**Wall thickness for PN16 is the same
as for PN25 valves**

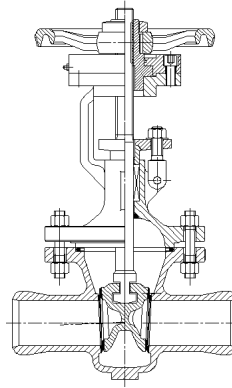


FIG : XXX.032 - BW

Page 1 - 5

FIG : 032 - BW

Design acc. : AD 2000 A4, ATEX 2014/34/EU, EN 1984.

End to end : EN 12982 Ser.15/Ser.26

BW ends : EN 12627 Fig1/Fig2

Actuator conn. flange: ISO 5210

Test acc. : EN12266.

TA-Luft Packing

TA-Luft Gasket

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)

Body : 1.0619N /1.4408

**Wall thickness for PN16 is the same
as for PN25 valves**

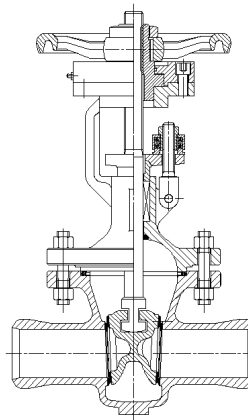
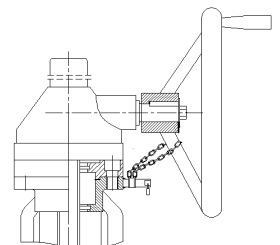
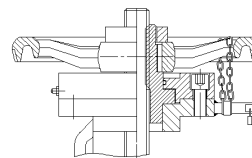
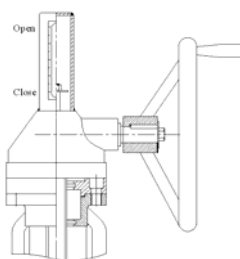
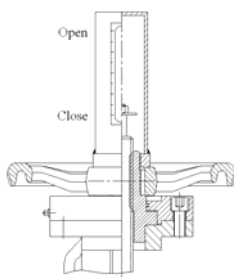


FIG : XXX.032 - BW + spring load system

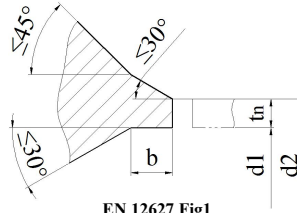
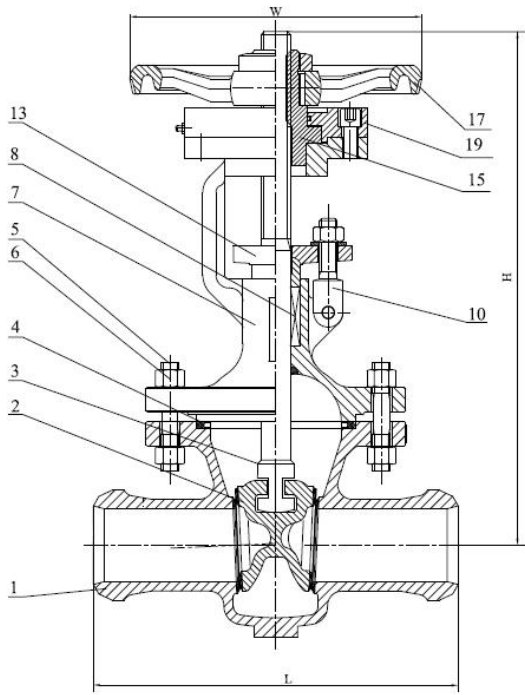
Page 6 - 10 FIG : 032 - BW + spring load system

Available



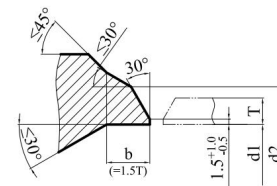
Position indicator

Locking device



EN 12627 Fig1

tn≤4mm DN50 - DN80



EN 12627 Fig2

4mm<T≤22mm DN100 - DN125

FIG.	Pressure	Material	Range
133.032-BW	PN16	1.0619N	DN50-DN125
134.032-BW	PN25	1.0619N	DN50-DN125
153.032-BW	PN16	1.4408	DN50-DN125
154.032-BW	PN25	1.4408	DN50-DN125

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

End to end : EN 12982 Ser.15

BW ends : EN 12627 Fig1/Fig2

Actuator conn. flange: ISO 5210

Test acc. : EN 12266.

TA-Luft Packing & Gasket

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 153.032 - BW / 154.032 - BW	FIG. 133.032 - BW /134.032 - BW
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Fork bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
19	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)
16/25	50	250	62	53.9	5	Ø60.3×3.2	340	200	Tr20×4LH	35	15	60	23.1
	65	270	77	68.9	6	Ø76.1×3.6	425	250	Tr24×5LH	40	17	85	32.9
	80	280	91	80.9	6	Ø88.9×4.0	420	250	Tr24×5LH	45	19	95	34.8
	100	300	117	104.3	8	Ø114.3×5.0	500	250	Tr26×5LH	50	23	115	50.0
	125	325	144	130.7	7	Ø139.7×4.5	590	350	Tr26×5LH	80	29	145	69.9

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.

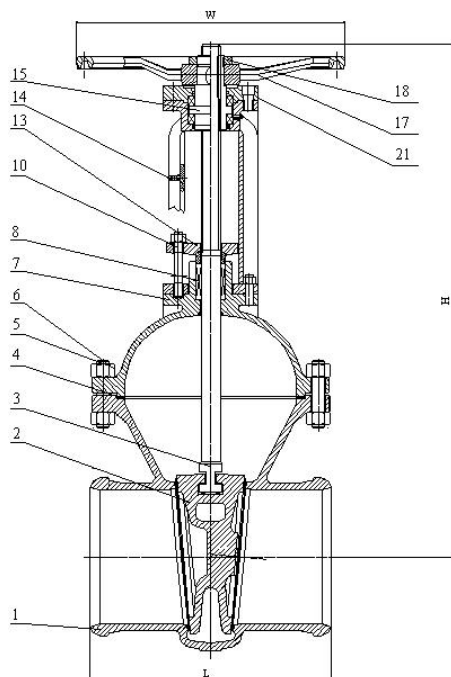
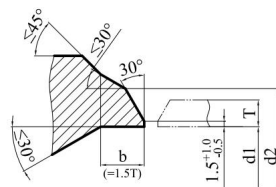


FIG.	Pressure	Material	Range
133.032-BW	PN16	1.0619N	DN150-DN500
153.032-BW	PN16	1.4408	DN150-DN500



EN 12627 Fig2

4mm < T ≤ 22mm DN150 - DN500

Design and manufacture acc. :**AD 2000 A4****ATEX 2014/34/EU****EN 1984.****End to end : EN 12982 Ser.15****BW ends : EN 12627 Fig2****Actuator conn. flange: ISO 5210****Test acc. : EN 12266.****TA-Luft Packing & Gasket****Temperature range :****-29℃~+450℃(1.0619N)****-196℃~+400℃(1.4408)****Material list**

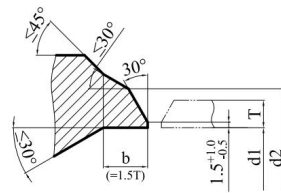
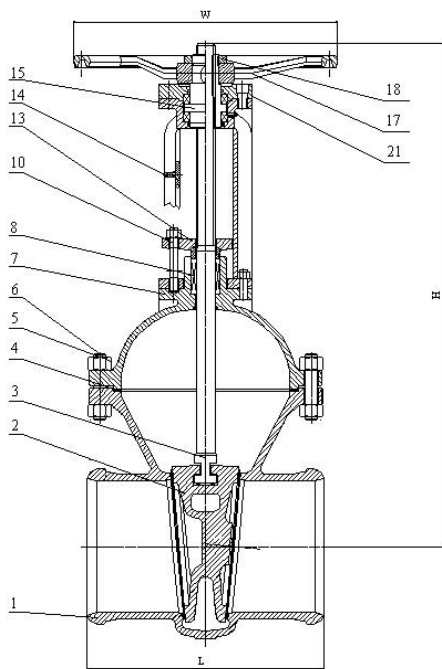
NO.	Part	Material	
		FIG. 153.032 - BW	FIG. 133.032 - BW
1	Body	1.4408 + STL	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
16	150	350	172	157.1	9	Ø168.3×5.6	670	400	Tr28×5LH	F10	90	34	170	97.5
	200	400	223	204.9	11	Ø219.1×7.1	830	400	Tr32×6LH	F14	150	36	216	138.6
	250	450	278	257.0	12	Ø273.0×8.0	955	450	Tr36×6LH	F14	200	46	276	242.0
	300	500	329	307.9	12	Ø323.9×8.0	1145	500	Tr40×7LH	F14	310	46	322	381.2
	350	550	362	338.0	14	Ø355.6×8.8	1210	500	Tr40×7LH	F16	400	53	371	396.8
	400	600	413	384.4	17	Ø406.4×11.0	1390	600	Tr44×8LH	F16	450	53	424	592.0
	500	700	516	479.6	22	Ø508.0×14.2	1730	700	Tr50×8LH	F25	700	67	536	939.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.



EN 12627 Fig2

4mm<T≤22mm DN150 - DN500

FIG.	Pressure	Material	Range
134.032-BW	PN25	1.0619N	DN150-DN500
154.032-BW	PN25	1.4408	DN150-DN500

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

End to end : EN 12982 Ser.15

BW ends :EN 12627 Fig2

Actuator conn. flange: ISO 5210

Test acc. : EN 12266.

TA-Luft Packing & Gasket

Temperature range :

-29℃~ +450℃(1.0619N)

-196℃~ +400℃(1.4408)

Material list

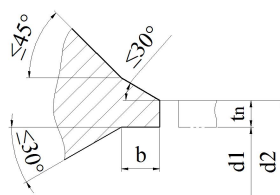
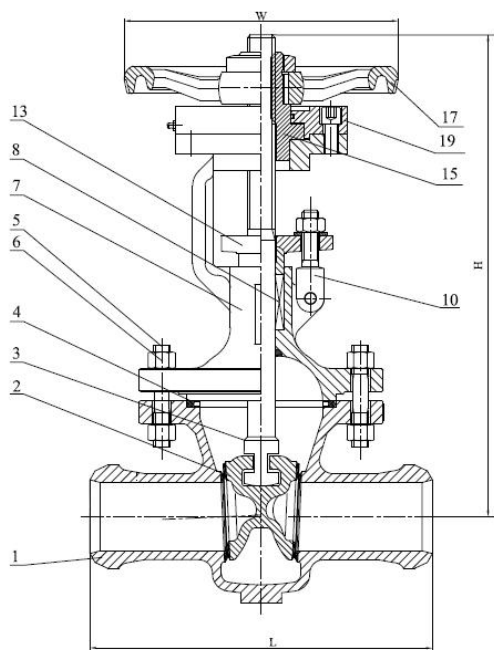
NO.	Part	Material	
		FIG. 154.032 - BW	FIG. 134.032 - BW
1	Body	1.4408 + STL	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
21	ISO-Flange	1.4401	C22.8

Dimension list

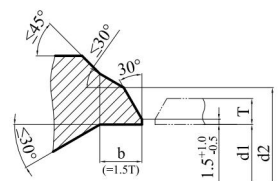
PN	DN	L	d2	d1	b	For pipe	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
25	150	350	172	157.1	9	Ø168.3×5.6	670	400	Tr28×5LH	F14	90	34	170	100.0
	200	400	223	204.9	11	Ø219.1×7.1	830	400	Tr32×6LH	F14	160	36	216	138.6
	250	450	278	257.0	12	Ø273.0×8.0	955	450	Tr36×6LH	F14	220	46	276	242.0
	300	500	329	307.9	12	Ø323.9×8.0	1145	500	Tr40×7LH	F14	330	46	322	381.2
	350	550	362	338.0	14	Ø355.6×8.8	1210	500	Tr40×7LH	F16	420	53	371	396.8
	400	600	413	384.4	17	Ø406.4×11.0	1390	600	Tr44×8LH	F16	500	53	424	593.0
	500	700	516	479.6	22	Ø508.0×14.2	1730	700	Tr50×8LH	F25	750	67	536	945.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.



EN 12627 Fig1
tn≤4mm DN50 - DN80



EN 12627 Fig2

4mm<T≤22mm DN100 - DN125

FIG.	Pressure	Material	Range
135.032-BW	PN40	1.0619N	DN50-DN125
155.032-BW	PN40	1.4408	DN50-DN125

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

End to end : EN 12982 Ser.26

BW ends : EN 12627 Fig1/Fig2

Actuator conn. flange: ISO 5210

Test acc. : EN 12266.

TA-Luft Packing & Gasket

Temperature range :

-29℃~+450℃(1.0619N)

-196℃~+400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 155.032 - BW	FIG. 135.032 - BW
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Fork bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
19	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
40	50	250	62	53.9	5	Ø60.3×3.2	340	200	Tr20×4LH	F10	35	15	60	23.1
	65	290	77	68.9	6	Ø76.1×3.6	415	250	Tr24×5LH	F10	40	17	85	34.1
	80	310	91	80.9	6	Ø88.9×4.0	420	250	Tr24×5LH	F10	50	19	95	36.6
	100	350	117	104.3	8	Ø114.3×5.0	485	250	Tr26×5LH	F10	55	23	115	55.0
	125	400	144	130.7	7	Ø139.7×4.5	590	350	Tr26×5LH	F14	90	29	145	76.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.

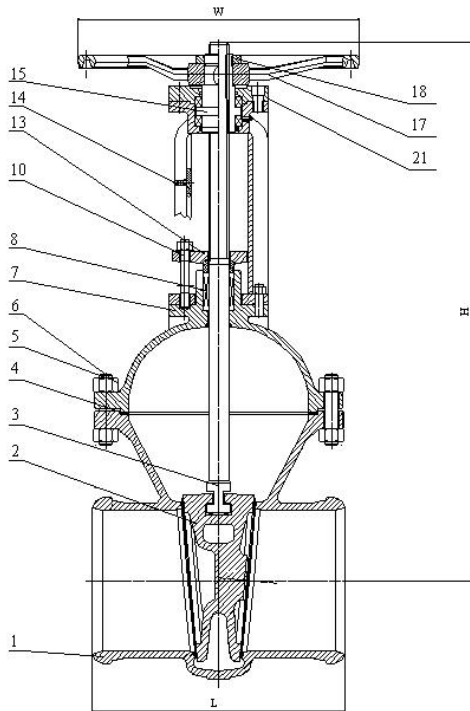
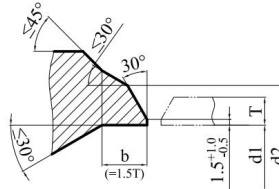


FIG.	Pressure	Material	Range
135.032-BW	PN40	1.0619N	DN150-DN300
155.032-BW	PN40	1.4408	DN150-DN300



EN 12627 Fig2

4mm < T ≤ 22mm DN150 - DN500

Design and manufacture acc. :
AD 2000 A4
ATEX 2014/34/EU
EN 1984.
End to end : EN 12982 Ser.26
BW ends : EN 12627 Fig2
Actuator conn. flange: ISO 5210
Test acc. : EN 12266.
TA-Luft Packing & Gasket
Temperature range :
-29℃~ +450℃(1.0619N)
-196℃~ +400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 155.032 - BW	FIG. 135.032 - BW
1	Body	1.4408 + STL	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Bolt	A4-70	1.7225(GC)
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
40	150	450	172	157.1	9	Ø168.3×5.6	670	400	Tr28×5LH	F14	100	34	170	103.6
	200	550	223	204.9	11	Ø219.1×7.1	830	400	Tr32×6LH	F14	170	36	216	171.0
	250	650	278	257.0	12	Ø273.0×8.0	955	450	Tr36×6LH	F14	230	46	276	299.0
	300	750	329	307.9	12	Ø323.9×8.0	114	500	Tr44×7LH	F14	350	40	320	445.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.

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Date: 26 Jan., 2024

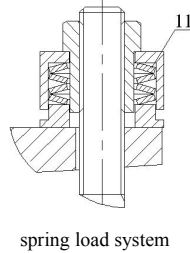
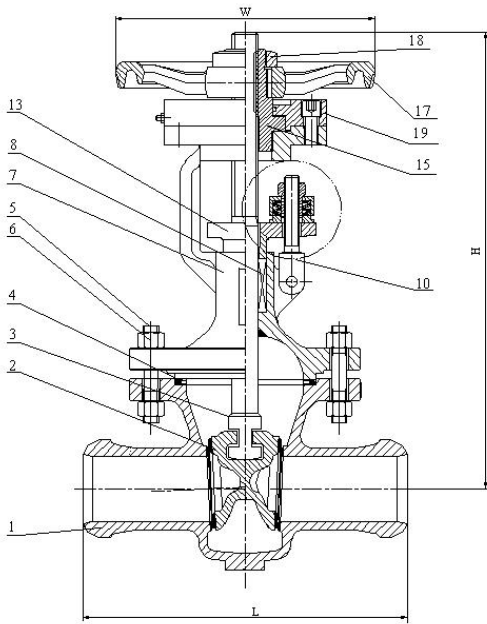
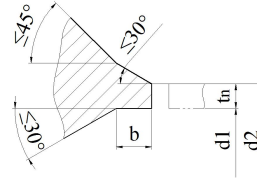
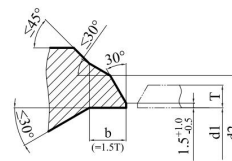


FIG.	Pressure	Material	Range
133.032 -BW + spring load system	PN16	1.0619N	DN50-DN125
134.032 -BW + spring load system	PN25	1.0619N	DN50-DN125
153.032 - BW + spring load system	PN16	1.4408	DN50-DN125
154.032 - BW + spring load system	PN25	1.4408	DN50-DN125



EN 12627 Fig1

t_n ≤ 4mm DN50 - DN80

EN 12627 Fig2

4mm < T ≤ 22mm DN100 - DN125

Design and manufacture acc. :

AD 2000 A4

ATEX 2014/34/EU

EN 1984.

End to end : EN 12982 Ser.15

BW ends : EN 12627 Fig1/Fig2

Actuator conn. flange: ISO 5210

Test acc. : EN 12266.

TA-Luft Packing & Gasket

Temperature range :

-29℃ ~ +450℃ (1.0619N)

-196℃ ~ +400℃ (1.4408)

Material list

NO.	Part	Material	
		FIG. 153.032 - BW +spring load system / 154.032 - BW + spring load system	FIG. 133.032 - BW + spring load system/ 134.032 - BW + spring load system
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Fork bolt	A4-70	1.7225(GC)
11	Belleville spring	51CrV4	51CrV4
13	Gland flange	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
19	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	Torque (N.m)	Number of turn	Hub	WT. (KG)
16/25	50	250	62	53.9	5	Ø60.3×3.2	340	200	Tr20×4LH	35	15	60	23.1
	65	270	77	68.9	6	Ø76.1×3.6	425	250	Tr24×5LH	40	17	85	32.9
	80	280	91	80.9	6	Ø88.9×4.0	420	250	Tr24×5LH	45	19	95	34.8
	100	300	117	104.3	8	Ø114.3×5.0	500	250	Tr26×5LH	50	23	115	50.0
	125	325	144	130.7	7	Ø139.7×4.5	590	350	Tr26×5LH	80	29	145	69.9

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.

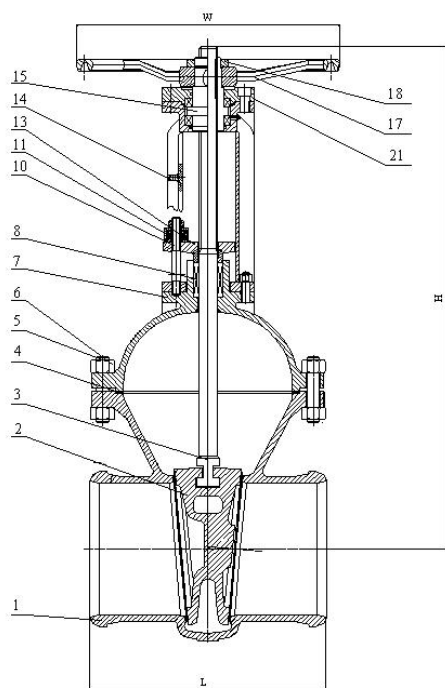
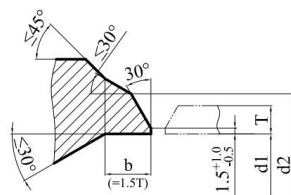
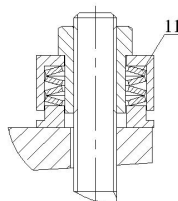


FIG.	Pressure	Material	Range
133.032 - BW + spring load system	PN16	1.0619N	DN150-DN500
153.032 - BW + spring load system	PN16	1.4408	DN150-DN500



EN 12627 Fig2

4mm < T ≤ 22mm DN150 - DN500



spring load system

Design and manufacture acc. :**AD 2000 A4****ATEX 2014/34/EU****EN 1984.****End to end : EN 12982 Ser.15****BW ends : EN 12627 Fig2****Actuator conn. flange: ISO 5210****Test acc. : EN 12266.****TA-Luft Packing & Gasket****Temperature range :****-29℃~+450℃(1.0619N)****-196℃~+400℃(1.4408)****Material list**

NO.	Part	Material	
		FIG. 153.032 - BW + spring load system	FIG. 133.032 - BW + spring load system
1	Body	1.4408 + STL	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Bolt	A4-70	1.7225(GC)
11	Belleville spring	51CrV4	51CrV4
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
16	150	350	172	157.1	9	Ø168.3×5.6	670	400	Tr28×5LH	F10	90	34	170	97.5
	200	400	223	204.9	11	Ø219.1×7.1	830	400	Tr32×6LH	F14	150	36	216	138.6
	250	450	278	257.0	12	Ø273.0×8.0	955	450	Tr36×6LH	F14	200	46	276	242.0
	300	500	329	307.9	12	Ø323.9×8.0	1145	500	Tr40×7LH	F14	310	46	322	381.2
	350	550	362	338.0	14	Ø355.6×8.8	1210	500	Tr40×7LH	F16	400	53	371	396.8
	400	600	413	384.4	17	Ø406.4×11.0	1390	600	Tr44×8LH	F16	450	53	424	592.0
	500	700	516	479.6	22	Ø508.0×14.2	1730	700	Tr50×8LH	F25	700	67	536	939.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.

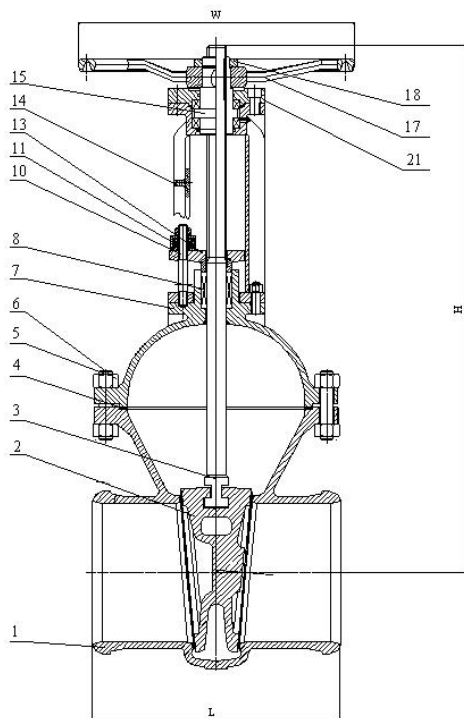
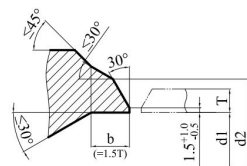
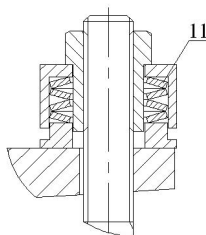


FIG.	Pressure	Material	Range
134.032 - BW + spring load system	PN25	1.0619N	DN150-DN500
154.032 - BW + spring load system	PN25	1.4408	DN150-DN500



EN 12627 Fig2

4mm<T≤22mm DN150 - DN500



spring load system

Design and manufacture acc. :**AD 2000 A4****ATEX 2014/34/EU****EN 1984.****End to end : EN 12982 Ser.15****BW ends : EN 12627 Fig2.****Actuator conn. flange: ISO 5210****Test acc. : EN 12266.****TA-Luft Packing & Gasket****Temperature range :****-29℃~+450℃(1.0619N)****-196℃~+400℃(1.4408)****Material list**

NO.	Part	Material	
		FIG. 154.032 -BW + spring load system	FIG. 134.032 - BW + spring load system
1	Body	1.4408 + STL	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Bolt	A4-70	1.7225(GC)
11	Belleville spring	51CrV4	51CrV4
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
25	150	350	172	157.1	9	Ø168.3×5.6	670	400	Tr28×5LH	F14	90	34	170	100.0
	200	400	223	204.9	11	Ø219.1×7.1	830	400	Tr32×6LH	F14	160	36	216	138.6
	250	450	278	257.0	12	Ø273.0×8.0	955	450	Tr36×6LH	F14	220	46	276	242.0
	300	500	329	307.9	12	Ø323.9×8.0	1145	500	Tr40×7LH	F14	330	46	322	381.2
	350	550	362	338.0	14	Ø355.6×8.8	1210	500	Tr40×7LH	F16	420	53	371	396.8
	400	600	413	384.4	17	Ø406.4×11.0	1390	600	Tr44×8LH	F16	500	53	424	593.0
	500	700	516	479.6	22	Ø508.0×14.2	1730	700	Tr50×8LH	F25	750	67	536	945.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.

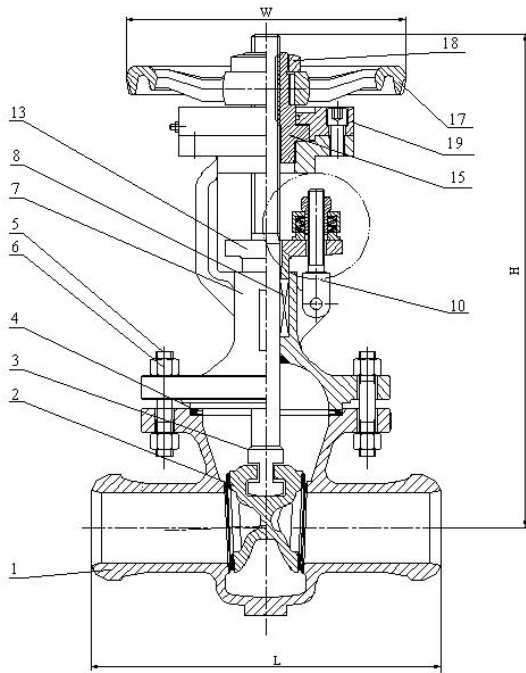
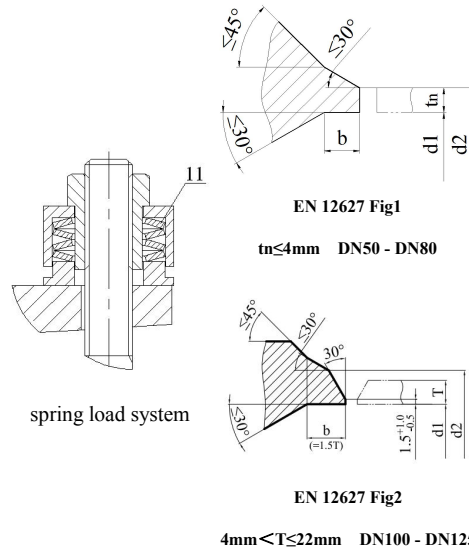


FIG.	Pressure	Material	Range
135.032 - BW + spring load system	PN40	1.0619N	DN50-DN125
155.032 - BW + spring load system	PN40	1.4408	DN50-DN125



Design and manufacture acc. :
AD 2000 A4
ATEX 2014/34/EU
EN 1984.
End to end : EN 12982 Ser.26
BW ends : EN 12627 Fig1/Fig2
Actuator conn. flange: ISO 5210
Test acc. : EN 12266.
TA-Luft Packing & Gasket
Temperature range :
-29℃~ +450℃(1.0619N)
-196℃~ +400℃(1.4408)

Material list

NO.	Part	Material	
		FIG. 155.032 - BW + spring load system	FIG. 135.032 - BW + spring load system
1	Body	1.4408 / 1.4408 + STL (>DN100)	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Fork bolt	A4-70	1.7225(GC)
11	Belleville spring	51CrV4	51CrV4
13	Gland flange	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
19	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
40	50	250	62	53.9	5	Ø60.3×3.2	340	200	Tr20×4LH	F10	35	15	60	23.1
	65	290	77	68.9	6	Ø76.1×3.6	415	250	Tr24×5LH	F10	40	17	85	34.1
	80	310	91	80.9	6	Ø88.9×4.0	420	250	Tr24×5LH	F10	50	19	95	36.6
	100	350	117	104.3	8	Ø114.3×5.0	485	250	Tr26×5LH	F10	55	23	115	55.0
	125	400	144	130.7	7	Ø139.7×4.5	590	350	Tr26×5LH	F14	90	29	145	76.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.

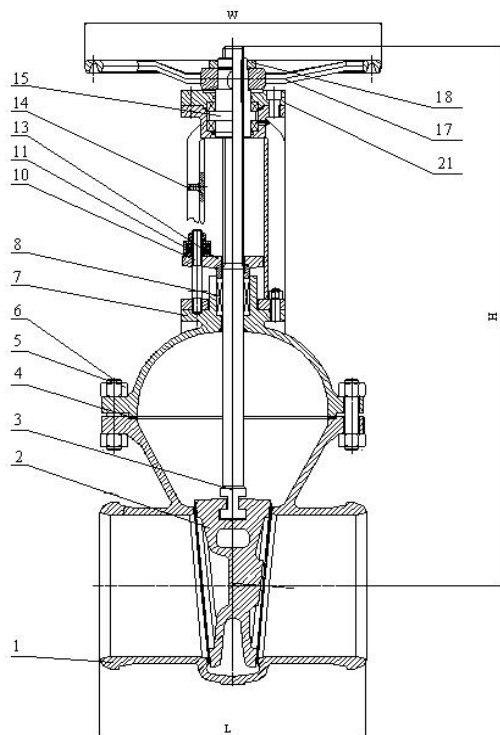
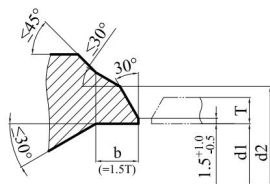
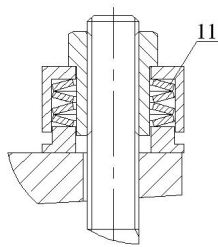


FIG.	Pressure	Material	Range
135.032 - BW + spring load system	PN40	1.0619N	DN150-DN300
155.032 -BW + spring load system	PN40	1.4408	DN150-DN300



EN 12627 Fig2

4mm < T ≤ 22mm DN150 - DN500



spring load system

Design and manufacture acc. :**AD 2000 A4****ATEX 2014/34/EU****EN 1984.****End to end : EN 12982 Ser.26****BW ends : EN 12627 Fig2****Actuator conn. flange: ISO 5210****Test acc. : EN 12266.****TA-Luft Packing & Gasket****Temperature range :****-29℃~+450℃(1.0619N)****-196℃~+400℃(1.4408)****Material list**

NO.	Part	Material	
		FIG. 155.032 - BW + spring load system	FIG. 135.032 - BW + spring load system
1	Body	1.4408 + STL	1.0619N+13Cr / 1.0619N+STL
2	Wedge	1.4408	1.0619N+13Cr / 1.4006(≤DN100) / 1.0619N+STL
3	Stem	1.4401	1.4021
4	Body seal	TA-Luft Gasket	TA-Luft Gasket
5	Bolts	A4-70	1.7225(GC)
6	Nut	A4-70	1.1181(YK)
7	Bonnet	1.4408	1.0619N
8	Packing	TA-Luft Packing	TA-Luft Packing
10	Bolt	A4-70	1.7225(GC)
11	Belleville spring	51CrV4	51CrV4
13	Gland flange	1.4408	1.0619N
14	Yoke	1.4408	1.0619N
15	Stem nut	0.7040	0.7040
17	Handwheel	0.7040	0.7040
18	Lock nut	1.4021	1.1181
21	ISO-Flange	1.4401	C22.8

Dimension list

PN	DN	L	d2	d1	b	For pipe	H	W	Stem	ISO-flange	Torque (N.m)	Number of turn	Hub	WT. (KG)
40	150	450	172	157.1	9	Ø168.3×5.6	670	400	Tr28×5LH	F14	100	34	170	103.6
	200	550	223	204.9	11	Ø219.1×7.1	830	400	Tr32×6LH	F14	170	36	216	171.0
	250	650	278	257.0	12	Ø273.0×8.0	955	450	Tr36×6LH	F14	230	46	276	299.0
	300	750	329	307.9	12	Ø323.9×8.0	1145	500	Tr44×7LH	F14	350	40	320	445.0

Note: 1) pipe acc. to DIN2448/ ISO4200 outside diameter×wall thickness.

2) The torque in the table does not contain safety factor.