

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar
Netherlands
Tel.: +31(0) 161-227.909
Mobile: +316 1358 2578

info@geminivalve.nl
www.geminivalve.nl

GV1197



GEARBOX FOR CONCENTRIC BUTTERFLY VALVES

Gearbox for concentric butterfly valves .

Worm wheel type to facilitate the handle of the valve.

Direct mounting pad ISO 5211.



Size : DN32 to DN1200

Connection : For concentric TTV Butterfly Valves

Min Temperature : -20°C

Max Temperature : +80°C

Ingress Protection Grading : IP65

Specifications : Worm wheel type

Direct mounting pad ISO 5211

Carbon steel handwheel

Carbon steel shaft

Materials : Aluminium body

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar
Netherlands
Tel.: +31(0) 161-227.909
Mobile: +316 1358 2578

info@geminivalve.nl
www.geminivalve.nl
GV1197



GEARBOX FOR CONCENTRIC BUTTERFLY VALVES

SPECIFICATIONS :

- For concentric TTV butterfly valves
- Ingress protection grading IP65
- Worm wheel type
- Direct mounting on ISO 5211 mounting pad
- Carbon steel handwheel
- Carbon steel shaft
- Aluminium body

RANGE :

- Gearbox IP65 **Ref. 1197** from DN 32 to DN 1400 for TTV concentric butterfly valves
- Min and max Temperature Ts : -20°C to +80°C

DATASHEETS :

DN	32/50	65	80/100	125/150	200	250	300	350
Ref.	1197050	1197065	1197100	1197150	1197200	1197250	1197300	1197350
Ratio factor	37 : 1	37 : 1	37 : 1	37 : 1	37 : 1	36 : 1	36 : 1	50 : 1
Number of turns for opening / closing	9.25	9.25	9.25	9.25	9.25	9	9	12.5
Input torque (Nm)	9	9	9	9	9	18.5	18.5	32
Output torque (Nm)	250	250	250	250	250	500	500	1200

DN	400	450	500	600	700	800	900	1000
Ref.	1197400	1197451	1197501	1197601	1197700	1197800	-	-
Ratio factor	50 : 1	38 : 1	55 : 1	52 : 1	208 : 1	208 : 1	312 : 1	312 : 1
Number of turns for opening / closing	12.5	9.5	13.75	13	52	52	78	78
Input torque (Nm)	32	56.8	64	115.4	43.6	43.6	53.4	53.4
Output torque (Nm)	1200	1620	2640	4500	6800	6800	12500	12500

DN	1200
Ratio factor	702 : 1
Number of turns for opening / closing	175.5
Input torque (Nm)	32.3
Output torque (Nm)	17000

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar
Netherlands
Tel.: +31(0) 161-227.909
Mobile: +316 1358 2578

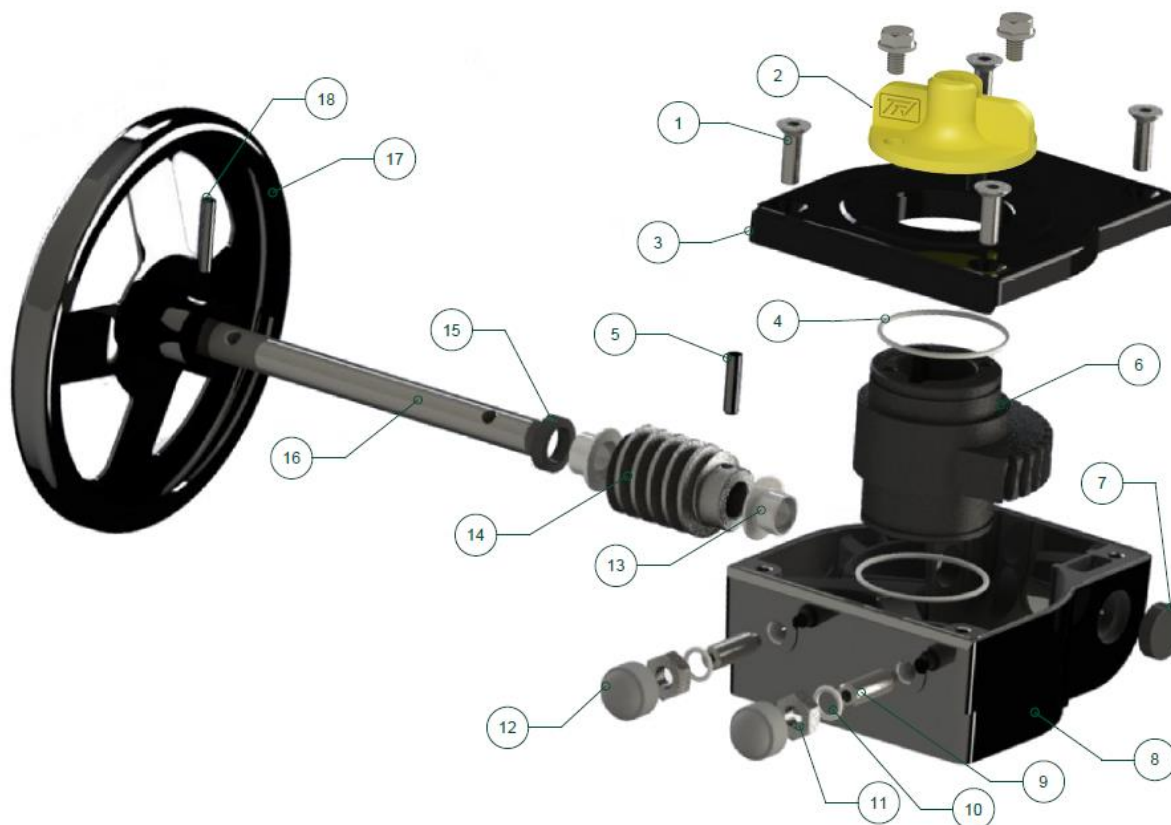
info@geminivalve.nl
www.geminivalve.nl

GV1197



GEARBOX FOR CONCENTRIC BUTTERFLY VALVES

MATERIALS :



Item	Designation	Materials
1	Bolt	AISI 304
2	Pointer	PVC
3	Cover	Aluminium
4	O ring	NBR
5	Pin	Steel
6	Quadrant	Ductile iron EN GJS-400-15
7	Gasket	NBR
8	Body	Aluminium
9	Adjusting bolt	Steel
10	Washer	Galvanized steel
11	Nut	Galvanized steel
12	Cap	NBR 70
13	Bushing	Bronze
14	Worm	Carbon steel 45
15	Gasket	NBR
16	Shaft	Carbon steel 45
17	Handwheel	Carbon steel
18	Pin	Steel

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar
Netherlands
Tel.: +31(0) 161-227.909
Mobile: +316 1358 2578

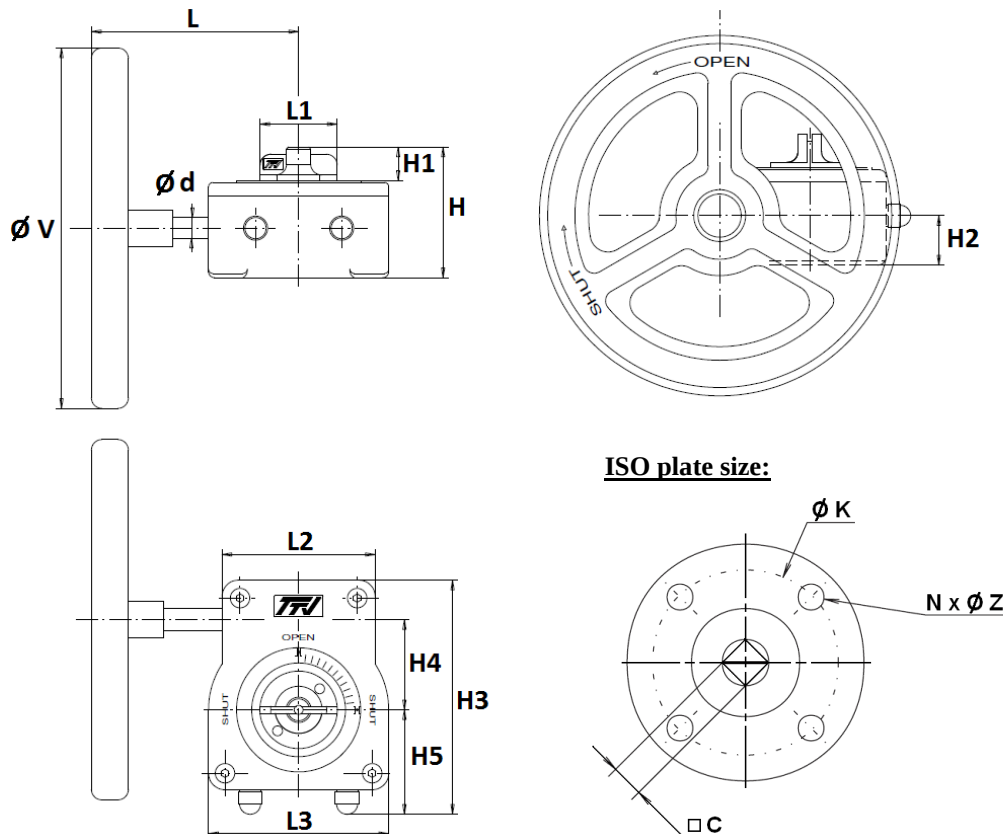
info@geminivalve.nl
www.geminivalve.nl

GV1197



GEARBOX FOR CONCENTRIC BUTTERFLY VALVES TTV

SIZE DN32-300 (in mm) :



DN	32/50	65	80/100	125/150	200	250	300
Ø d	12					16	
L	115	115	115	115	115	223.5	223.5
L1	43	43	43	43	43	55	55
L2	85	85	85	85	85	110	110
L3	100	100	100	100	100	142	142
H	73	73	73	73	73	103	103
H1	19	19	19	19	19	33	33
H2	27.5	27.5	27.5	27.5	27.5	42	42
H3	130	130	130	130	130	176	176
H4	50	50	50	50	50	60	60
H5	58	58	58	58	58	82	82
Ø V	140	140	140	200	200	300	300
C	8	9	11	14	17	19	22
Ø K	70	70	70	70	70	102	102
ISO	F07	F07	F07	F07	F07	F10	F10
N x Ø Z	4 x M8	4 x M8	4 x M8	4 x M8	4 x M8	4 x M10	4 x M10
Weight (Kg)	1.35	1.35	1.35	1.75	1.75	4	4
Ref.	1197050	1197065	1197100	1197150	1197200	1197250	1197300

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar
Netherlands
Tel.: +31(0) 161-227.909
Mobile: +316 1358 2578

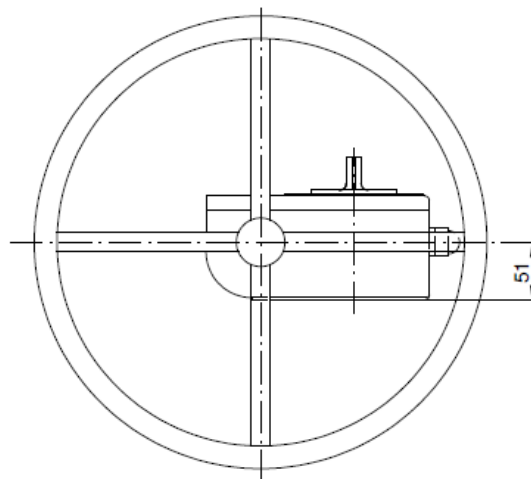
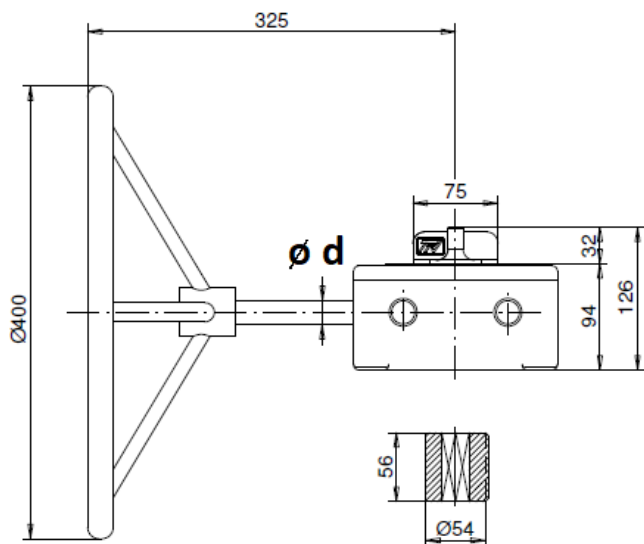
info@geminivalve.nl
www.geminivalve.nl

GV1197

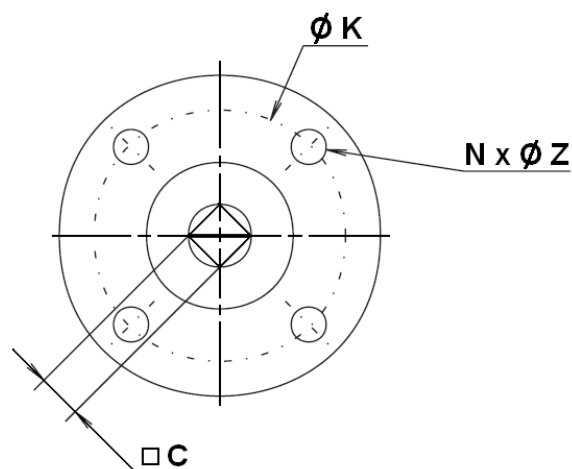
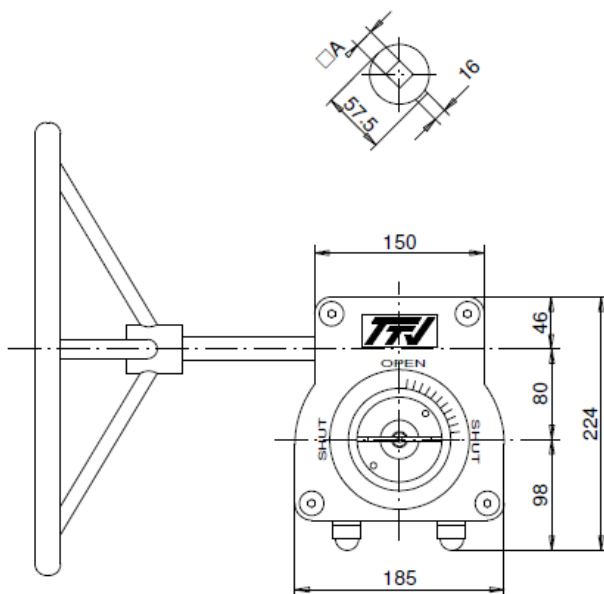


GEARBOX FOR CONCENTRIC BUTTERFLY VALVES TTV

SIZE DN350-400 (in mm) :



ISO plate size :



DN	350	400
Weight (in Kg)	9.5	9.5
Ø d	20	
C	22	27
Ø K	140	
ISO	F14	
N x Ø Z	4 x M16	
Ref.	1197350	1197400

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar
Netherlands
Tel.: +31(0) 161-227.909
Mobile: +316 1358 2578

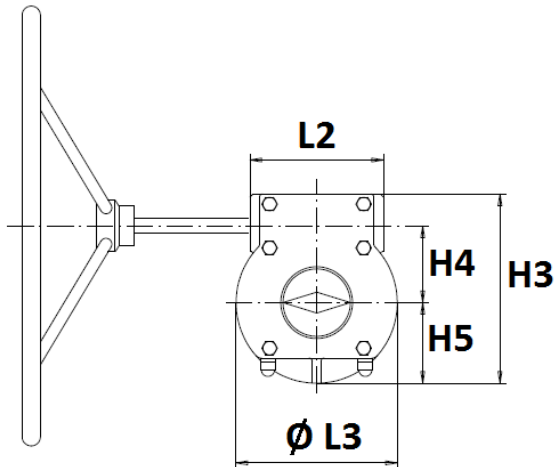
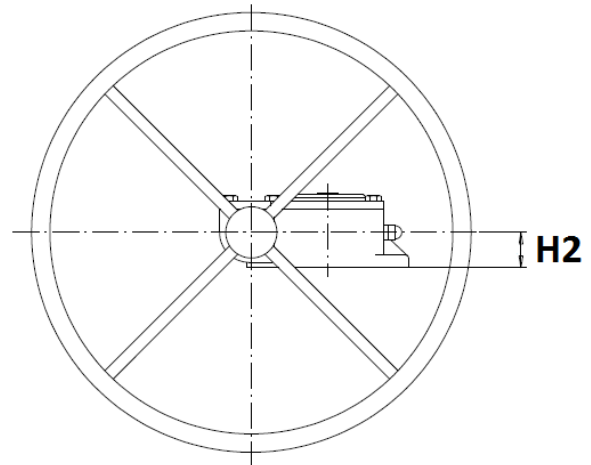
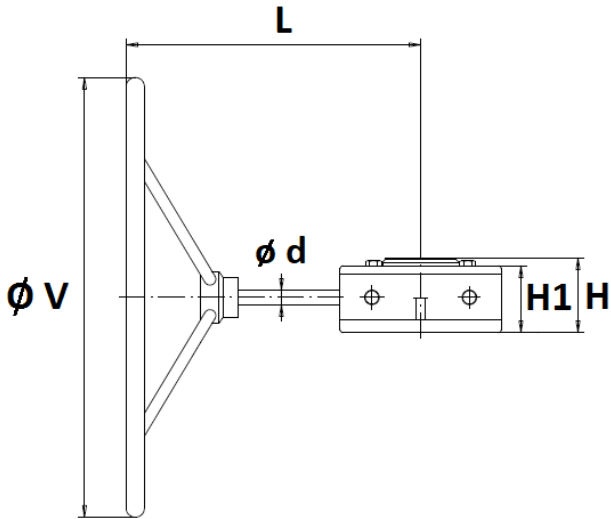
info@geminivalve.nl
www.geminivalve.nl

GV1197

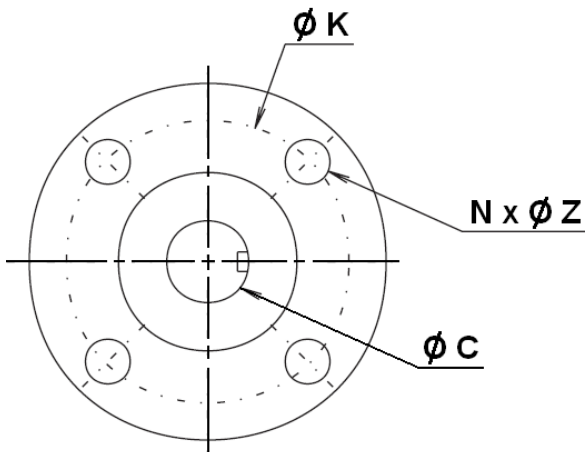


GEARBOX FOR CONCENTRIC BUTTERFLY VALVES TTV

SIZE DN450-600 (in mm) :



ISO plate size :



DN	450	500	600
Ø d	20		25
L	381	402	447
L2	150	182	194
Ø L3	200	220	285
H	93	102	123.4
H1	82	91	109.5
H2	42	48	55
H3	226	258	322.5
H4	86	104.5	130
H5	100	110	142.5
Ø V	600	600	700
Ø C	50		60
Ø K	140		165
ISO	F14		F16
N x Ø Z	4 x M16		4 x M20
Weight (Kg)	18.8	26.8	38.3
Ref.	1197451	1197501	1197601

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar
Netherlands
Tel.: +31(0) 161-227.909
Mobile: +316 1358 2578

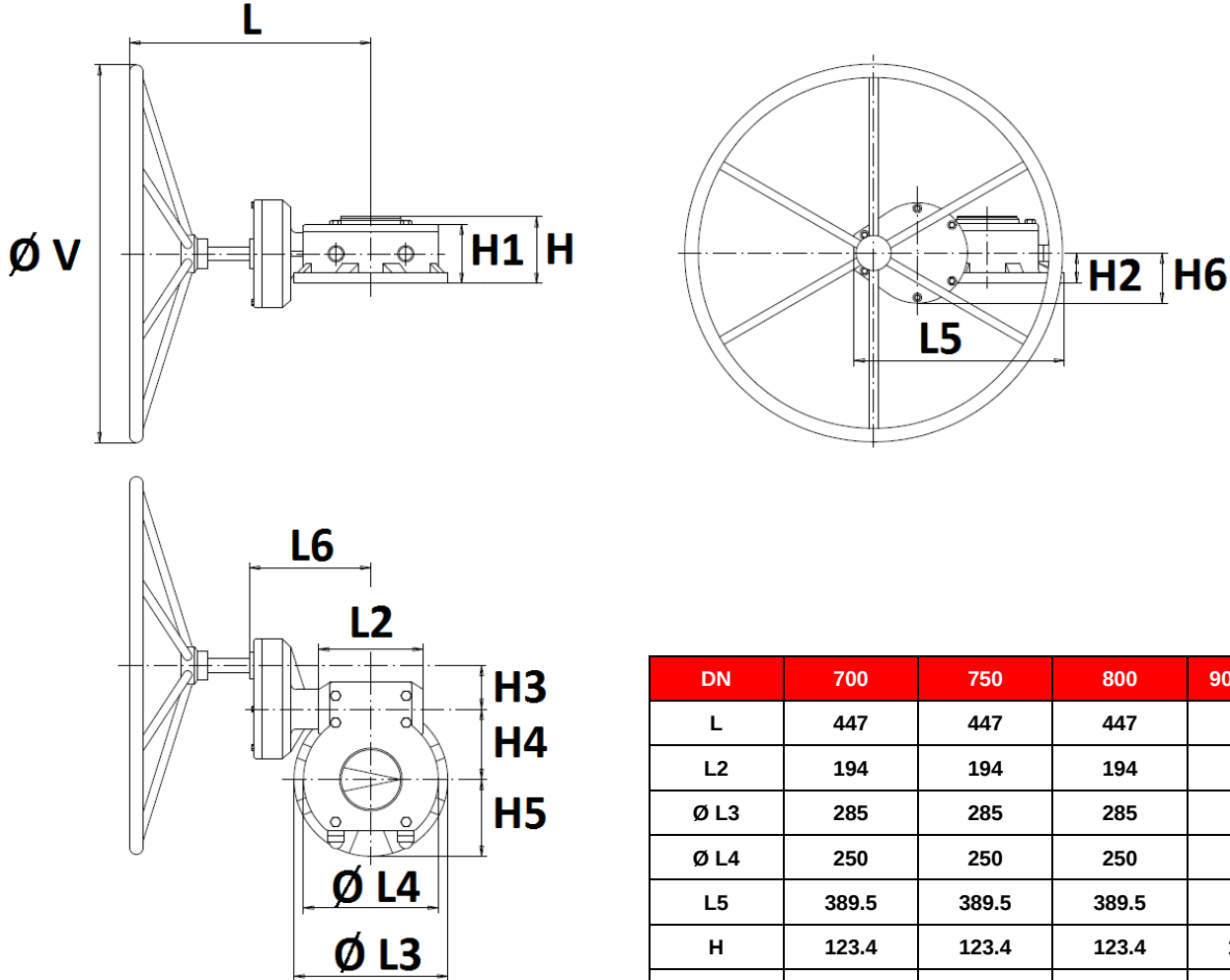
info@geminivalve.nl
www.geminivalve.nl

GV1197

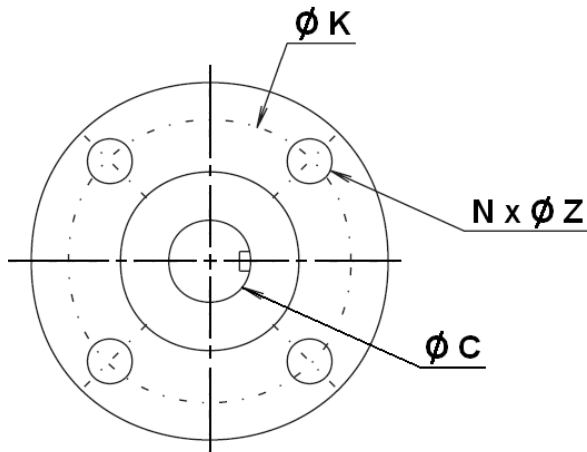


GEARBOX FOR CONCENTRIC BUTTERFLY VALVES TTV

SIZE DN700-1200 (in mm) :



ISO plate size :



DN	700	750	800	900-1100	1200
L	447	447	447	500	556
L2	194	194	194	300	324
Ø L3	285	285	285	370	370
Ø L4	250	250	250	370	370
L5	389.5	389.5	389.5	469	574
H	123.4	123.4	123.4	138.9	139
H1	109.5	109.5	109.5		
H2	55	55	55	59	59
H3	81	81	81	81	175
H4	130	130	130	182	182
H5	142.5	142.5	142.5	170	170
H6	93	93	93	93	90
Ø V	500	500	700	600	800
Ø C	60	65		80	100
Ø K	254				
ISO	F25				
N x Ø Z	8 x M16				
Weig. (Kg)	49	49	49	75	87
Ref.	1197700		1197800		

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar
Netherlands
Tel.: +31(0) 161-227.909
Mobile: +316 1358 2578

info@geminivalve.nl
www.geminivalve.nl

GV1197**GEARBOX FOR CONCENTRIC BUTTERFLY VALVES TTV****STANDARDS :**

- Manufacturer certified ISO 9001:2015

ADVICE : Our opinion and our advice are not guaranteed and Gemini Valve shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.