

Stoffschieber, durchgehende Schieberplatte/ Knife gate valve, through-going gate Typ L, DN 50 - 1300

Technische Daten

Bauform

Zwischenflansch Stoffschieber
 Gehäuse: GG-25 EKB, A216 WCB oder
 Edelstahl CF8M
 Schieberplatte: AISI 304
 Dichtung: EPDM (Standard),
 metallisch, NBR, Viton oder PTFE
 Stopfbuchspackung: Synth. + PTFE,
 Flansche nach DIN 2501 PN 10

Specification

Design

Wafer type knife gate valve
 Body: GG-25 EKB, A216 WCB or
 stainless steel CF8M
 Knife: AISI 304,
 Seat: EPDM (Standard), metal seated,
 NBR, Viton or PTFE
 Packing: Synth. + PTFE
 Flanges according to DIN 2501 PN 10

Typ PA-L12:

Steigende Spindel / nichtsteigendes
 Handrad

Typ PA-L30:

Schnellschlusshebel

Typ PA-L40

Pneumatikantrieb, doppelwirkend

Typ PA-L50

Elektroantrieb, Typ AUMA SA

Typ PA-L12:

Rising stem / nonrising handwheel

Typ PA-L30:

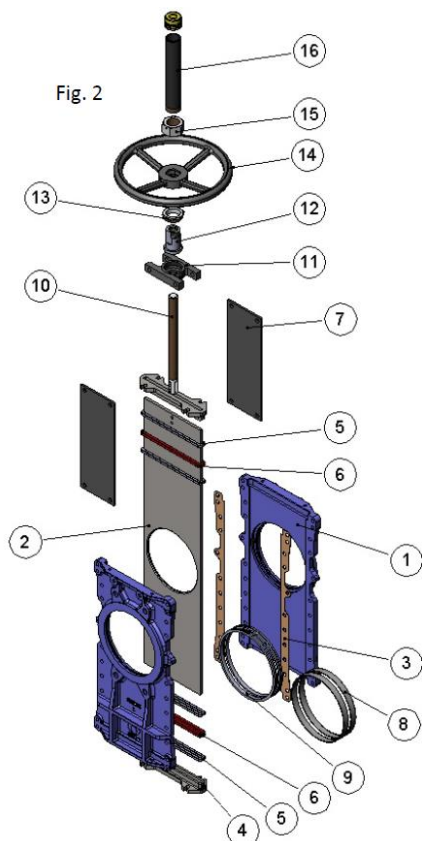
Quick closing lever

Typ PA-L40

Pneumatic actuator, double acting

Typ PA-L50

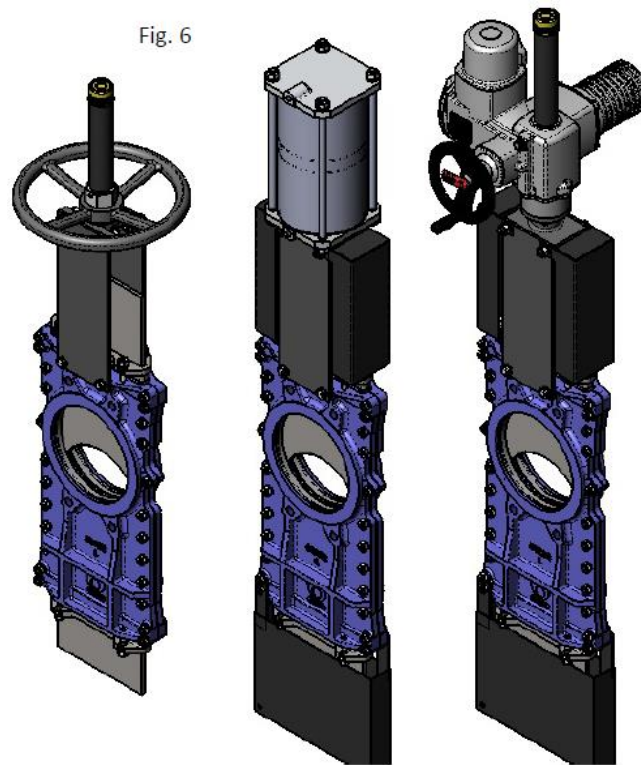
Electric actuator, type AUMA SA



STANDARD COMPONENTS LIST

COMPONENT	CAST IRON VERSION	STAINLESS STEEL VERSION
1- Body	GJL-250	CF8M
2- Gate	AISI304	AISI316
3- Seal	CARDBOARD	CARDBOARD
4- Packing gland	GJS-500	CF8M
5- Packing	SYNT + PTFE	SYNT + PTFE
6- Seal	EPDM	EPDM
7-Support plates	S275JR	S275JR
8- Ring	AISI316	AISI316
9- Seat	EPDM	EPDM
10- Stem	AISI303	AISI303
11- Bridge	STEEL	STEEL
12- Stem nut	BRONZE	BRONZE
13- Check nut	ST44.2 + ZINC	ST44.2 + ZINC
14- Handwheel	NODULAR CAST IRON	NODULAR CAST IRON
15- Nut	STEEL	STEEL
16- Cap	STEEL	STEEL

Fig. 6



Handwheel
actuator

Pneumatic
actuator

Motor actuator

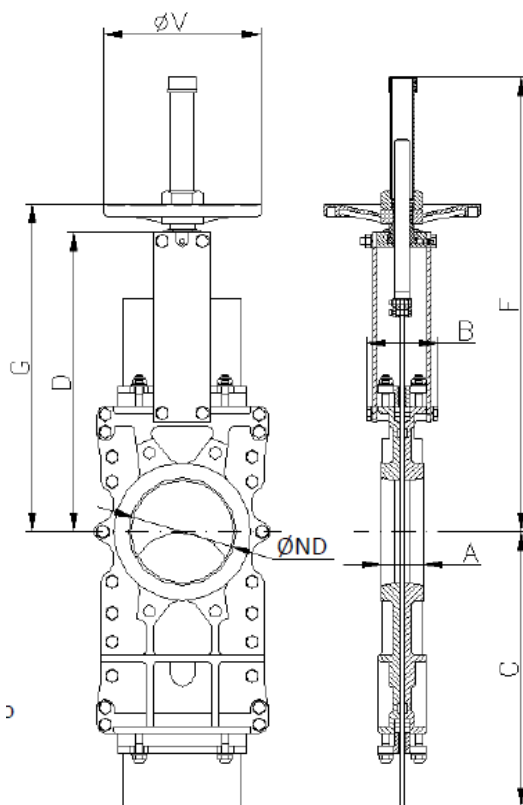


fig. 10

ND	ΔP (kg/cm ²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	D	F	G	ØV	Weight (kg.)
50	10	894	2.1	40	91	225	243	412	282	225	12
65	10	1508	3.5	40	91	265	269	437	308	225	13
80	10	2281	5.2	50	91	310	293	462	332	225	17
100	10	3561	8.2	50	91	370	334	503	373	225	19
125	10	5565	13	50	101	430	367	586	407	225	28
150	10	6419	15	60	101	495	419	638	458	225	38
200	8	10020	29	60	118	630	525	816	578	325	54
250	6	11230	32.5	70	118	770	620	1017	679	325	88
300	6	16210	47	70	118	895	704	1117	779	380	112
350	5	17740	70	96	290	1050	780	1337	906	450	163
400	5	23260	92	100	290	1185	855	1443	1012	450	235
450	3	22260	89	106	290	1320	975	1629	1098	450	368
500	3	27470	110	110	290	1455	1064	1741	1210	450	471
600	3	39850	160	110	290	1720	1244	2047	1416	450	532
700	2	36880	212	110	320	1995	1425	--	--	--	936
800	2	48980	285	110	320	2230	1615	--	--	--	N.G.
900	2	61230	353	110	320	2465	1823	--	--	--	N.G.
1000	2	77690	457	110	320	2620	1992	--	--	--	N.G.
1100	2	95506	674	150	340	3030	2217	--	--	--	N.G.
1200	2	113710	802	150	340	3250	2351	--	--	--	N.G.

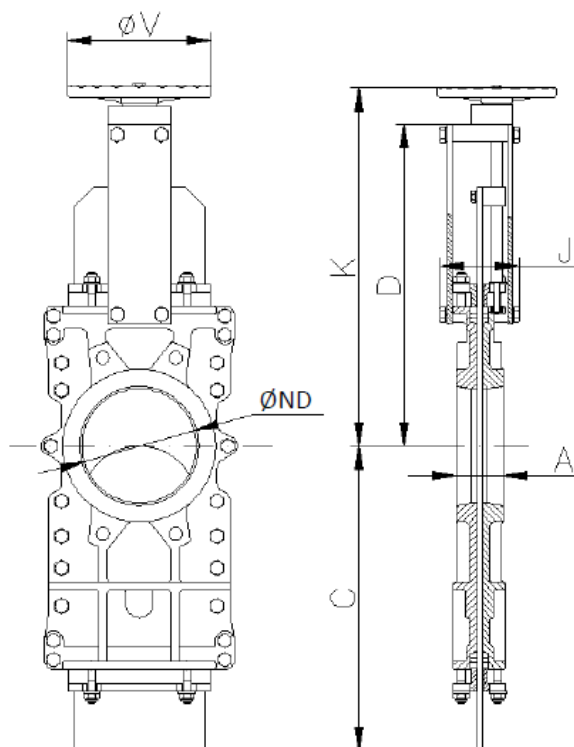


Fig. 11

ND	ΔP (Kg/cm ²)	DRAW (Nw)	TORQUE (Nm)	A	C	D	J	K	ØV	Weight (kg.)
50	10	894	2.1	40	225	243	101	277	225	12
65	10	1508	3.5	40	265	269	101	304	225	13
80	10	2281	5.2	50	310	293	101	330	225	17
100	10	3561	8.2	50	370	334	101	370	225	19
125	10	5565	13	50	430	367	111	402	225	28
150	10	6419	15	60	495	419	111	454	225	38
200	8	10020	29	60	630	525	128	578	325	54
250	6	11230	32.5	70	770	620	128	679	325	88
300	6	16210	47	70	895	704	128	779	380	112
350	5	17740	70	96	1050	780	305	860	450	163
400	5	23260	92	100	1185	855	305	981	450	235
450	3	22260	89	106	1320	975	305	1067	450	368
500	3	27470	110	110	1455	1064	305	1179	450	471
600	3	39850	160	110	1720	1244	305	1386	450	532
700	2	36880	212	110	1995	1425	335	--	--	936
800	2	48980	285	110	2230	1615	335	--	--	N.G.
900	2	61230	353	110	2465	1823	335	--	--	N.G.
1000	2	77690	457	110	2620	1992	335	--	--	N.G.
1100	2	95506	674	150	3030	2217	355	--	--	N.G.
1200	2	113710	802	150	3250	2351	355	--	--	N.G.

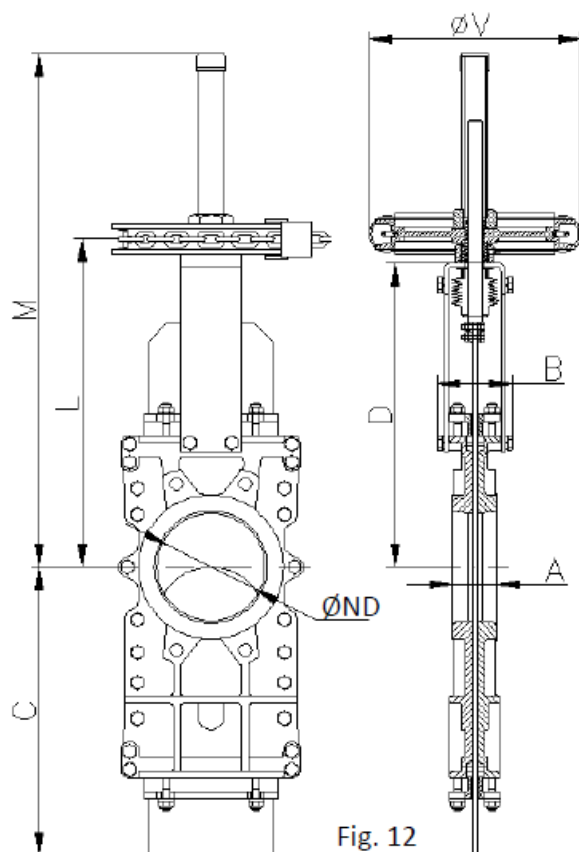


Fig. 12

ND	ΔP (Kg/cm ²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	D	L	M	ØV	Weight (kg.)
50	10	894	2.1	40	91	225	243	294	437	225	12
65	10	1508	3.5	40	91	265	269	319	464	225	13
80	10	2281	5.2	50	91	310	293	346	490	225	17
100	10	3561	8.2	50	91	370	334	386	530	225	19
125	10	5565	13	50	101	430	367	420	613	225	28
150	10	6419	15	60	101	495	419	471	665	225	38
200	8	10020	29	60	118	630	525	602	849	300	54
250	6	11230	32.5	70	118	770	620	697	1050	300	88
300	6	16210	47	70	118	895	704	797	1150	300	112
350	5	17740	70	96	290	1050	780	918	1398	402	163
400	5	23260	92	100	290	1185	855	998	1504	402	235
450	3	22260	89	106	290	1320	975	1078	1690	402	368
500	3	27470	110	110	290	1455	1064	1201	1802	402	471
600	3	39850	160	110	290	1720	1244	1329	2108	402	532
700	2	36880	212	110	320	1995	1425	1606	2406	402*	936
800	2	48980	285	110	320	2230	1615	1820	2720	402*	N.G.
900	2	61230	353	110	320	2465	1823	2053	3053	402*	N.G.
1000	2	77690	457	110	320	2620	1992	2257	3337	402*	N.G.
1100	2	95506	674	150	340	3030	2217	2546	3676	402*	N.G.
1200	2	113710	802	150	340	3250	2351	2836	4016	402*	N.G.

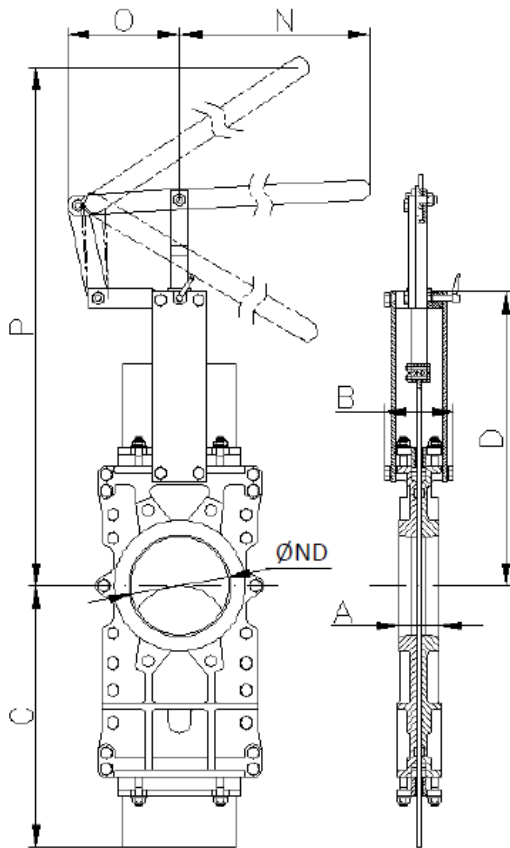


Fig. 13

ND	ΔP (Kg/cm ²)	DRAW (Nw)	A	B	C	D	N	O	P	Weight (kg.)
50	10	894	40	91	225	243	325	155	504	13
65	10	1508	40	91	265	269	325	155	526	14
80	10	2281	50	91	310	293	325	155	549	18
100	10	3561	50	91	370	334	325	155	605	20
125	10	5565	50	101	430	367	425	155	902	29
150	10	6419	60	101	495	419	425	155	956	39
200	8	10020	60	118	630	525	620	290	1027	55
250	6	11230	70	118	770	620	620	290	1416	89
300	6	16210	70	118	895	704	620	290	1525	113

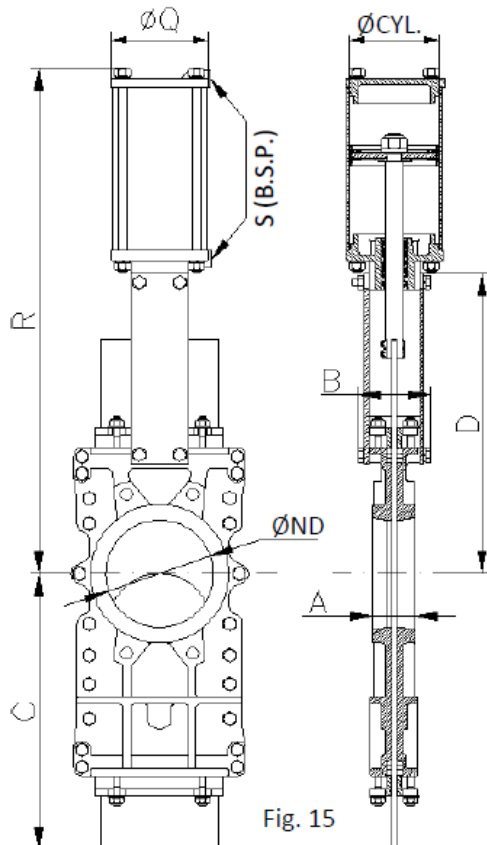
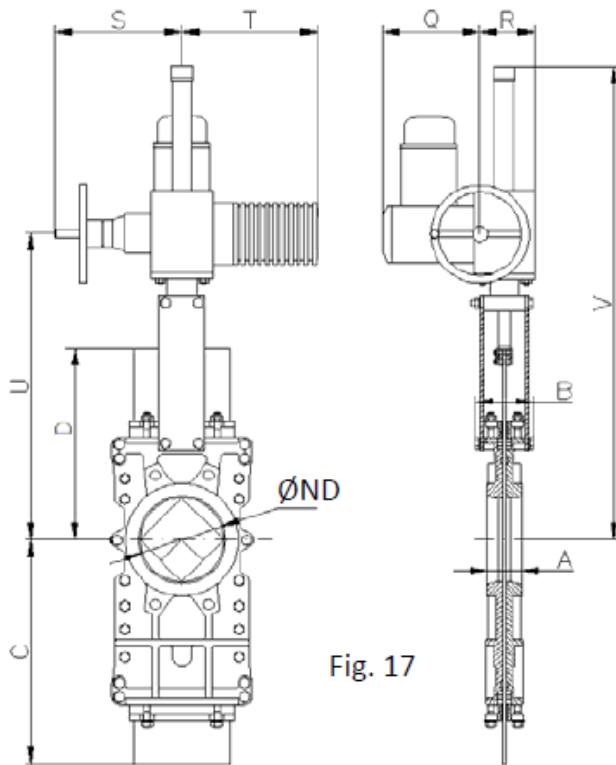


Fig. 15

ND	ΔP (Kg/cm ²)	DRAW (Nw)	A	B	C	D	R	Ø CYL.	Ø ROD	ØQ	S (B.S.P.)	Weight (kg.)
50	10	894	40	91	225	243	416	80	20	90	1/4"	12
65	10	1508	40	91	265	269	456	80	20	90	1/4"	13
80	10	2281	50	91	310	293	497	80	20	90	1/4"	19
100	10	3561	50	91	370	334	561	100	20	110	1/4"	19
125	10	5565	50	101	430	367	636	125	25	135	1/4"	33
150	10	6419	60	101	495	419	717	125	25	170	1/4"	43
200	8	10020	60	118	630	525	874	160	30	215	1/4"	65
250	6	11230	70	118	770	620	1030	200	30	215	3/8"	104
300	6	16210	70	118	895	704	1160	200	30	270	3/8"	126
350	5	17740	96	290	1050	780	1364	250	40	270	3/8"	200
400	5	23260	100	290	1185	855	1482	250	40	270	3/8"	281
450	3	22260	106	290	1320	975	1662	300	45	270	1/2"	427
500	3	27470	110	290	1455	1064	1802	300	45	382	1/2"	540
600	3	39850	110	290	1720	1244	2081	300	45	444	1/2"	609
700	2	36880	110	320	1995	1425	2400	350	45	444	1/2"	1054
800	2	48980	110	320	2230	1615	2693	350	45	444	1/2"	N.G.
900	2	61230	110	320	2465	1823	3037	400	50	508	1/2"	N.G.
1000	*	*	110	320	2620	1992	3306	400	50	508	1/2"	N.G.
1100	*	*	150	340	3030	2217	3587	400	50	508	1/2"	N.G.
1200	*	*	150	340	3250	2351	3868	400	50	508	1/2"	N.G.



ND	ΔP (Kg/cm ²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	D	Q	R	S	T	U	V	Weight (kg.)
50	10	894	2.1	40	91	225	243	197	102	234	265	347	587	32
65	10	1508	3.5	40	91	265	269	197	102	234	265	374	614	33
80	10	2281	5.2	50	91	310	293	197	102	234	265	400	640	37
100	10	3561	8.2	50	91	370	334	197	102	234	265	440	680	39
125	10	5565	13	50	101	430	367	197	102	234	265	473	713	48
150	10	6419	15	60	101	495	419	197	102	234	265	525	765	58
200	8	10020	29	60	118	630	525	197	102	234	265	640	880	74
250	6	11230	32.5	70	118	770	620	197	102	234	265	741	981	108
300	6	16210	47	70	118	895	726	197	102	234	265	841	1141	132
350	5	17740	70	96	290	1050	780	197	115	256	282	944	1347	189
400	5	23260	92	100	290	1185	855	197	115	256	282	1050	1550	261
450	3	22260	89	106	290	1320	975	222	153	325	385	1147	1847	368
500	3	27470	110	110	290	1455	1064	222	153	325	385	1259	1959	497
600	3	39850	160	110	290	1720	1244	222	153	325	385	1465	2165	584
700	2	36880	212	110	320	1995	1425	222	153	325	385	1651	2451	988
800	2	48980	285	110	320	2230	1615	222	153	332	385	1865	2665	N.G.
900	2	61230	353	110	320	2465	1823	222	153	332	385	2098	2998	N.G.
1000	2	77690	457	110	320	2620	1992	222	153	332	385	2288	3178	N.G.
1100	2	95506	674	150	340	3030	2217	227	195	355	510	2575	3675	N.G.
1200	2	113710	802	150	340	3250	2351	227	195	355	510	2866	4042	N.G.
1300	2	133563	943	150	390	3430	2882	227	195	355	510	3082	4382	N.G.
1400	2	157280	1298	150	390	3680	3250	222	153	332	385	3395	4852	N.G.
1500	2	180712	1493	170	426	3930	3517	222	153	332	385	3662	5217	N.G.
1600	2	205780	1904	170	426	4272	3775	227	195	355	510	3975	5575	N.G.
1700	2	236498	2214	190	440	4615	4008	227	195	355	510	4210	5908	N.G.
1800	2	264860	2477	190	440	4886	4242	227	195	355	510	4257	6242	N.G.
1900	2	299502	3213	210	480	5158	4390	227	195	355	510	4590	6490	N.G.
2000	2	331260	3549	210	480	5430	4540	227	195	355	510	4740	6740	N.G.

EN 1092-2 PN10

ND	ΔP (Kg/cm ²)	•	o	Metric	T	ØK
50	10	4	-	M 16	8	125
65	10	4	-	M 16	8	145
80	10	4	4	M 16	9	160
100	10	4	4	M 16	9	180
125	10	4	4	M 16	9	210
150	10	4	4	M 20	10	240
200	8	4	4	M 20	10	295
250	6	8	4	M 20	12	350
300	6	8	4	M 20	12	400
350	5	12	4	M 20	21	460
400	5	12	4	M 24	21	515
450	3	16	4	M 24	22	565
500	3	16	4	M 24	22	620
600	3	18	4	M 27	22	725
700	2	20	4	M 27	22	840
800	2	20	4	M 30	22	950
900	2	24	4	M 30	20	1050
1000	2	24	4	M 33	20	1160
1100	2	28	4	M 33	20	1270
1200	2	28	4	M 36	22	1380
1300	2	28	4	M 36	26	1490
1400	2	32	4	M 39	26	1590
1500	2	32	4	M 39	35	1700
1600	2	36	4	M 45	40	1820
1700	2	40	4	M 45	40	1920
1800	2	40	4	M 45	40	2020
1900	2	44	4	M 45	45	2120
2000	2	44	4	M 45	45	2230

table 12

ANSI B16, class 150

ND	ΔP (Kg/cm ²)	•	o	R UNC	T	ØK
2"	10	4	-	5/8"	8	120,6
2 1/2"	10	4	-	5/8"	8	139,7
3"	10	4	-	5/8"	9	152,4
4"	10	4	4	5/8"	9	190,5
5"	10	4	4	3/4"	9	215,9
6"	10	4	4	3/4"	10	241,3
8"	8	4	4	3/4"	10	298,4
10"	6	8	4	7/8"	12	361,9
12"	6	8	4	7/8"	12	431,8
14"	5	8	4	1"	21	476,2
16"	5	12	4	1"	21	539,7
18"	3	12	4	1 1/8"	22	577,8
20"	3	16	4	1 1/8"	22	635
24"	3	16	4	1 1/4"	22	749,3
28"	2	24	4	1 1/4"	22	863,6
30"	2	24	4	1 1/4"	22	914,4
32"	2	24	4	1 1/2"	22	977,9
36"	2	28	4	1 1/2"	20	1085,9
40"	2	32	4	1 1/2"	20	1200,2

table 13

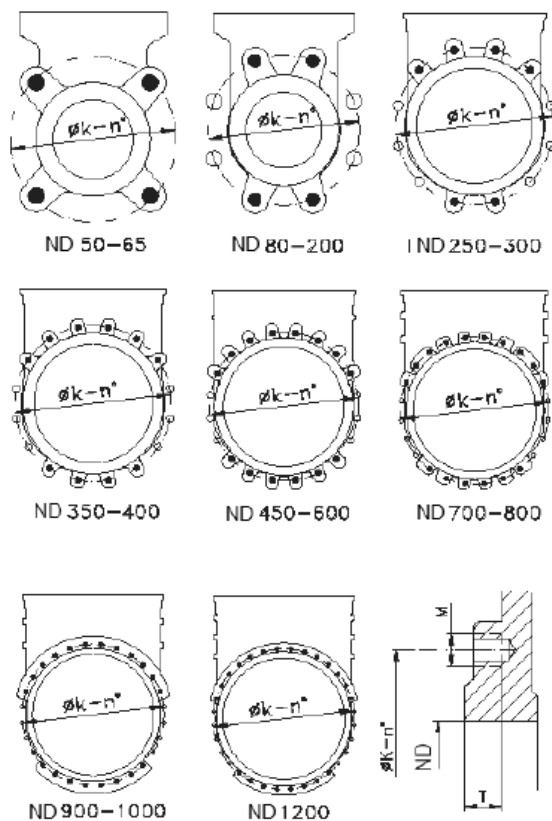


Fig. 19

• BLIND TAPED HOLES
 o THROUGH HOLE

