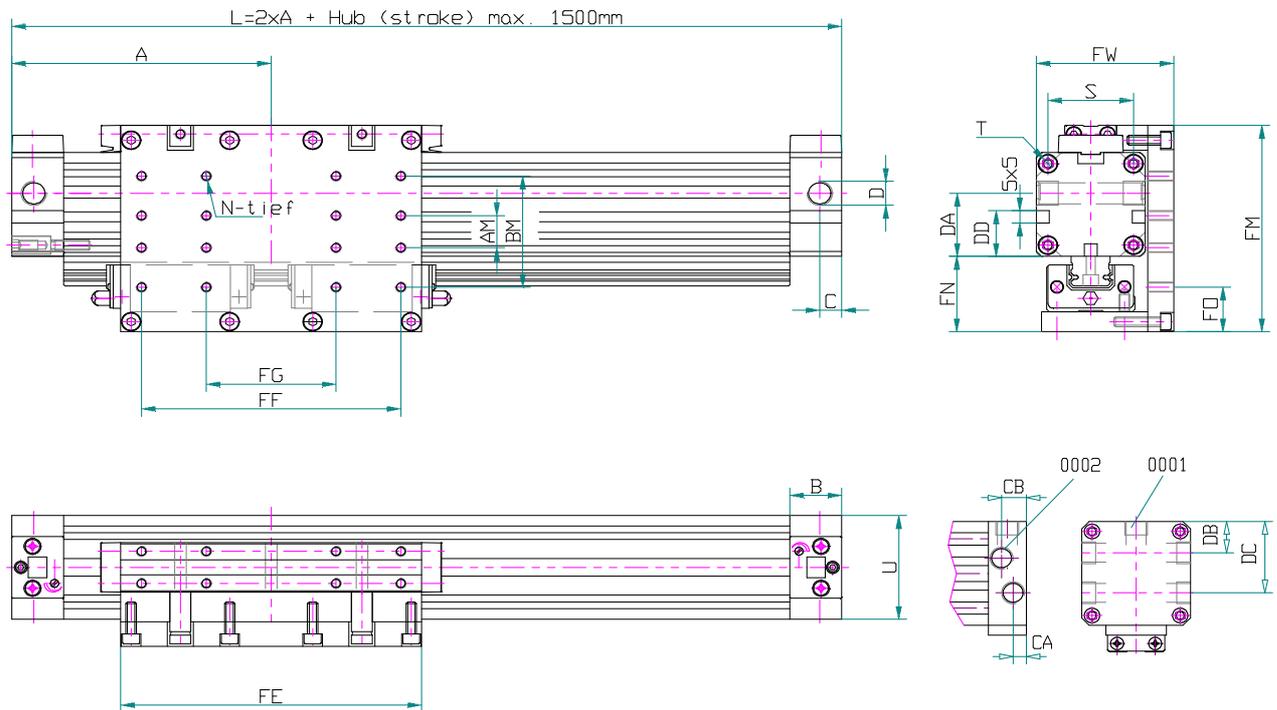




## SIŁOWNIKI SERII ZSS



	Ø 18	Ø25	Ø32	Ø40	Ø50	Ø63
A	80	100	120	150	180	215
AM	10	13	16	22	29	40
B	16.5	20	20	24	24	30
BM	35	45	55	70	85	105
C	6.5	8.5	8.5	13	13	13
CA	-	7	7	9.5	9.5	11
CB	-	13	13	14.5	14.5	18.5
D	M7x1/6	G1/8x8	G1/8x8	G1/4x12	G1/4x12	G3/8x12
DA	15.5	25.5	32	37.5	47.5	59.5
DB	-	14	17.5	20	26	30
DC	-	28	34.5	42	52	62
DD	-	18.5	21	29.5	37	44.5
FE	90	116	156	220	260	313
FF	75	100	140	180	220	280
FG	-	50	70	90	110	140
FM	60.5	83.5	101	120	151	168.5
FW	39	53	65	79	96	113.5
FN	20.5	30.5	36	41	55	55
FO	13	18	22	25	33	32
N	M4x8	M4x8	M5x10	M6x12	M8x16	M8x16
□S	□23.5	□33	□41	□51	□63	□78
T	M3x7	M4x9	M5x10	M6x12	M8x12	M8x12
□U	□30	□42	□52	□63	□78	□93

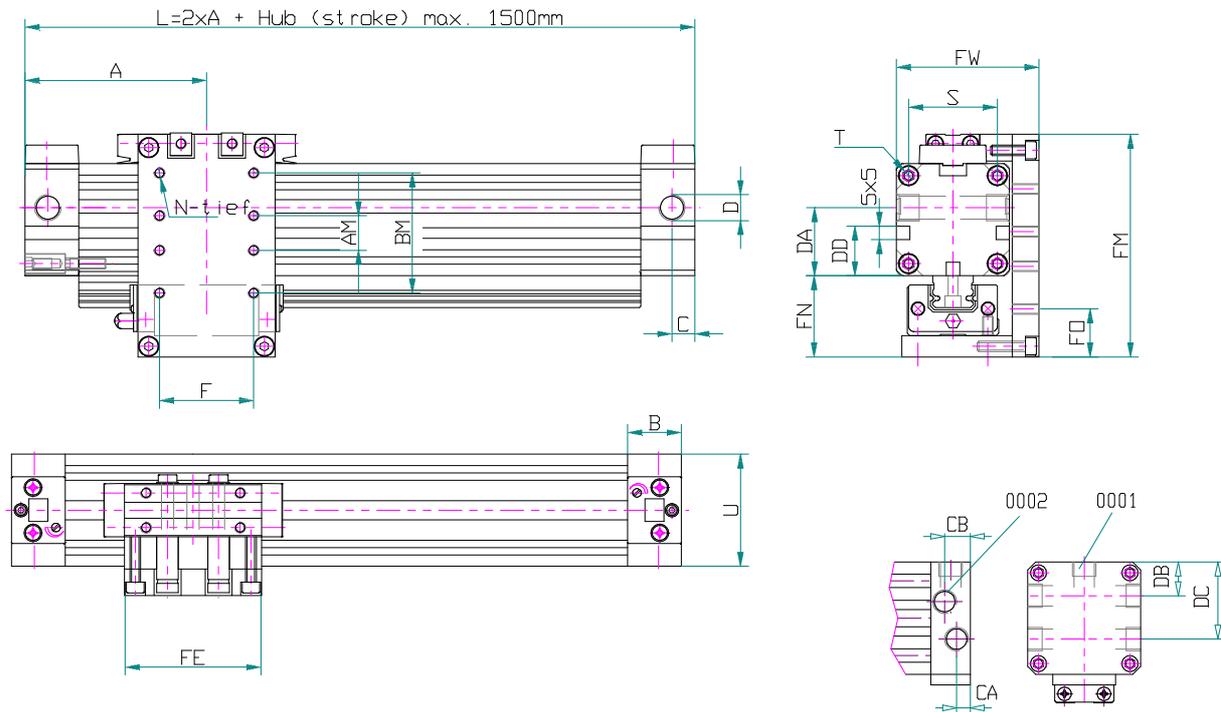


1	2	5	3	-	0	0	0	0	-	0	1	0	0	Przyłącze standardowe
1	2	5	3	-	0	0	0	1	-	0	1	0	0	Przyłącze dolne
1	2	5	3	-	0	0	0	2	-	0	1	0	0	Przyłącze jednostronne

**Sposób zamawiania: [średnica tłoka 25mm o skoku 100mm]**



**SIŁOWNIKI SERII ZKS**



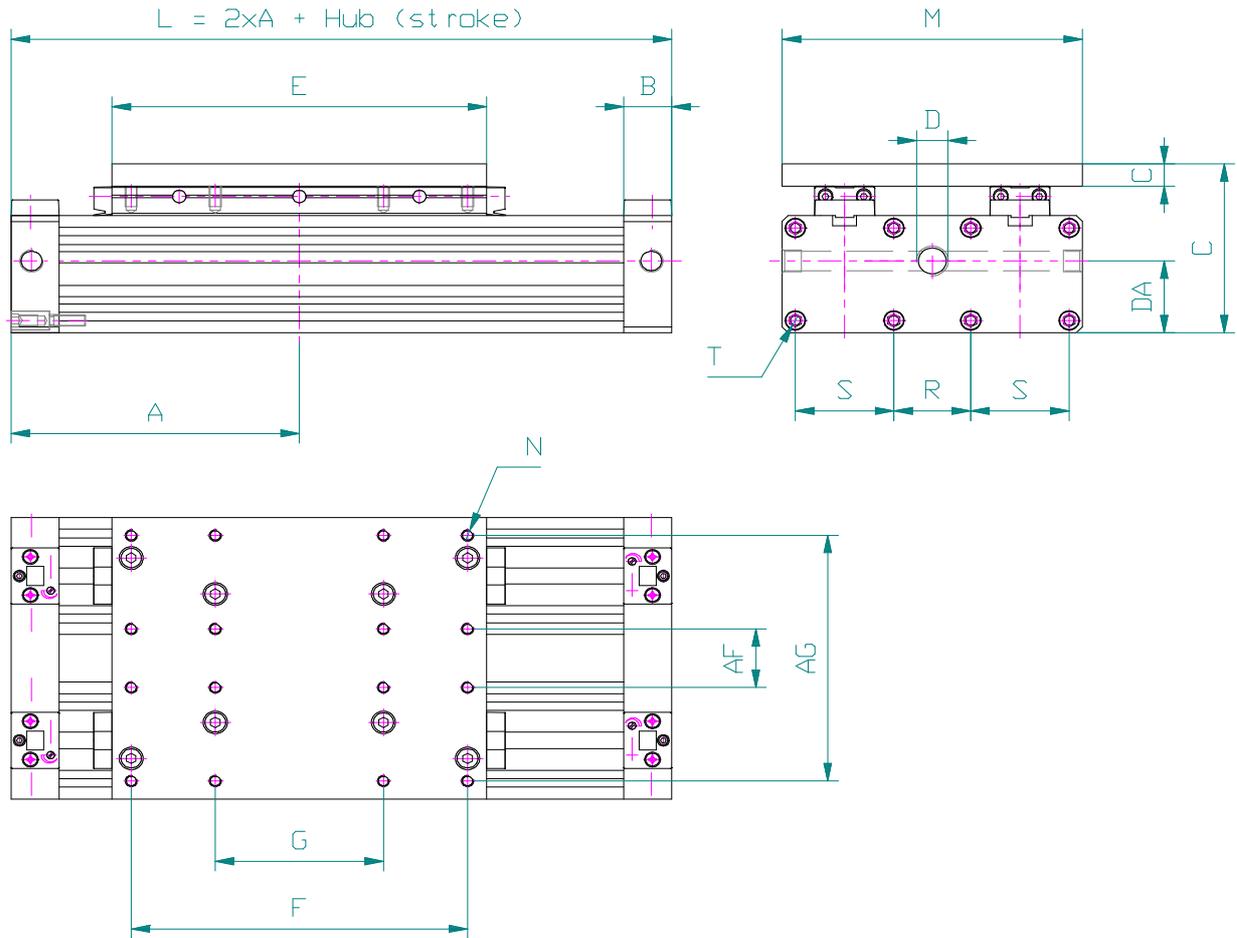
	Ø 18	Ø25	Ø32	Ø40	Ø50	Ø63
A	57.5	67.5	77.5	95	105	125
AM	10	13	16	22	29	40
B	16.5	20	20	24	24	30
BM	35	45	55	70	85	105
C	6.5	8.5	8.5	13	13	13
CA	-	7	7	9.5	9.5	11
CB	-	13	13	14.5	14.5	18.5
D	M7x1/6	G1/8x8	G1/8x8	G1/4x12	G1/4x12	G3/8x12
DA	155	25.5	32	37.5	47.5	59.5
DB	-	14	17.5	20	26	30
DC	-	28	34.5	42	52	62
DD	-	18.5	21	29.5	37	44.5
FE	45	51	71	90	110	133
F	30	35	55	70	70	100
FM	60.5	83.5	101	120	151	168
FN	20.5	30.5	36	41	55	55
FO	13	18	22	25	33	32
FW	39	53	65	79	96	113.5
N	M4x8	M4x8	M5x10	M6x12	M8x16	M8x16
□S	□23.5	□33	□41	□51	□63	□78
T	M3x7	M4x9	M5x10	M6x12	M8x12	M8x12
□U	□30	□42	□52	□63	□78	□93



1	2	5	3	-	0	0	0	0	-	0	1	0	0	Przyłącze standardowe
1	2	5	3	-	0	0	0	1	-	0	1	0	0	Przyłącze dolne
1	2	5	3	-	0	0	0	2	-	0	1	0	0	Przyłącze jednostronne

**Sposób zamawiania: [średnica tłoka 25mm o skoku 100mm]**

## SIŁOWNIKI SERII ZP

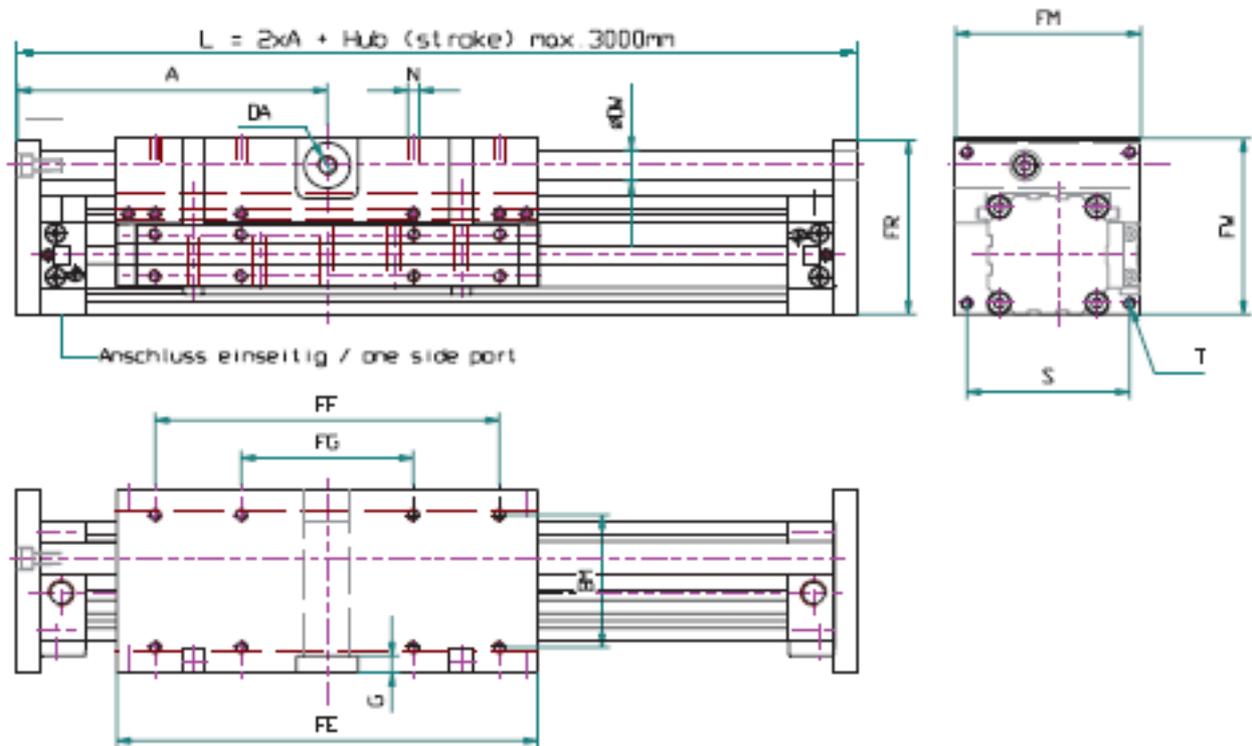


	Ø25	Ø32	Ø40	Ø50	Ø63
A	100	120	150	180	215
B	20	20	24	24	30
C	8	10	12	15	15
D	G1/4-11.7	G1/4-11.7	G3/8-11.7	G3/8-11.7	G1/2-13
DA	25.5	40	47	59	71
E	116	156	200	260	313
F	100	140	180	220	280
G	50	70	90	110	140
AF	21	26	35	44	55
AG	79	109	133	164	195
M	92	125	153	184	218
N	M4	M5	M6	M8	M8
R	17	32	45	43	47
S	33x33	41x41	51x51	63x63	78x78
T	M4x9	M5x10	M6x12	M8x12	M8x12
W	61	75	91	111	128.5



4	2	5	0	-	0	0	0	0	-	0	1	0	0
<b>Sposób zamawiania: [średnica tłoka 25mm o skoku 100mm]</b>													

## SIŁOWNIKI SERII ZFB

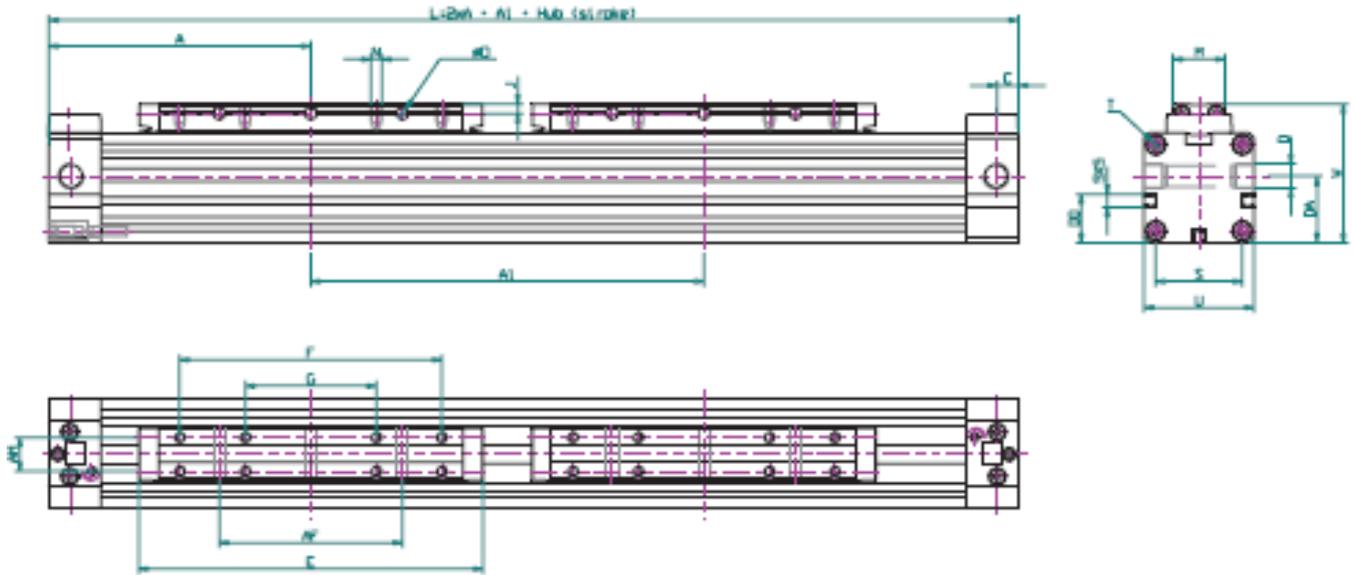


	Ø 18	Ø25	Ø32	Ø40	Ø50	Ø63
A	86	110	130	162	195	230
BM	35	45	55	70	85	105
D	M5-5.5	G1/8-7.7	G1/8-7.7	G1/4-11.7	G1/4-11.7	G3/8-11.7
DA	M5	M5	M5	G1/8	G1/8	G1/8
DW	Ø6	Ø12	Ø12	Ø16	Ø20	Ø20
FE	103	131	171	220	280	333
FF	75	100	140	180	220	280
FG	-	50	70	90	110	140
FM	50	66	80	97	116	136
FW	48	67	79	93.5	11.5	139
FR	47	66	78	92.5	114.5	138
G	6	-	5	-	-	-
N	M4-7.5	M4-8	M5-10	M6-12	M8-16	M8-16
S	42	54	68	80	100	120
T	M3	M4	M5	M6	M8	M8
U	6	10	10	12	15	15
Fb	180N	600N	600N	1000N	1400N	2200N



3	2	5	3	-	0	0	0	0	-	0	1	0	0	Blokowanie przy zasilaniu hamulca
3	2	5	4	-	0	0	0	1	-	0	1	0	0	Blokowanie przy BRAKU zasilania
<b>Sposób zamawiania: [średnica tłoka 25mm o skoku 100mm]</b>														

## SIŁOWNIKI SERII ZTS



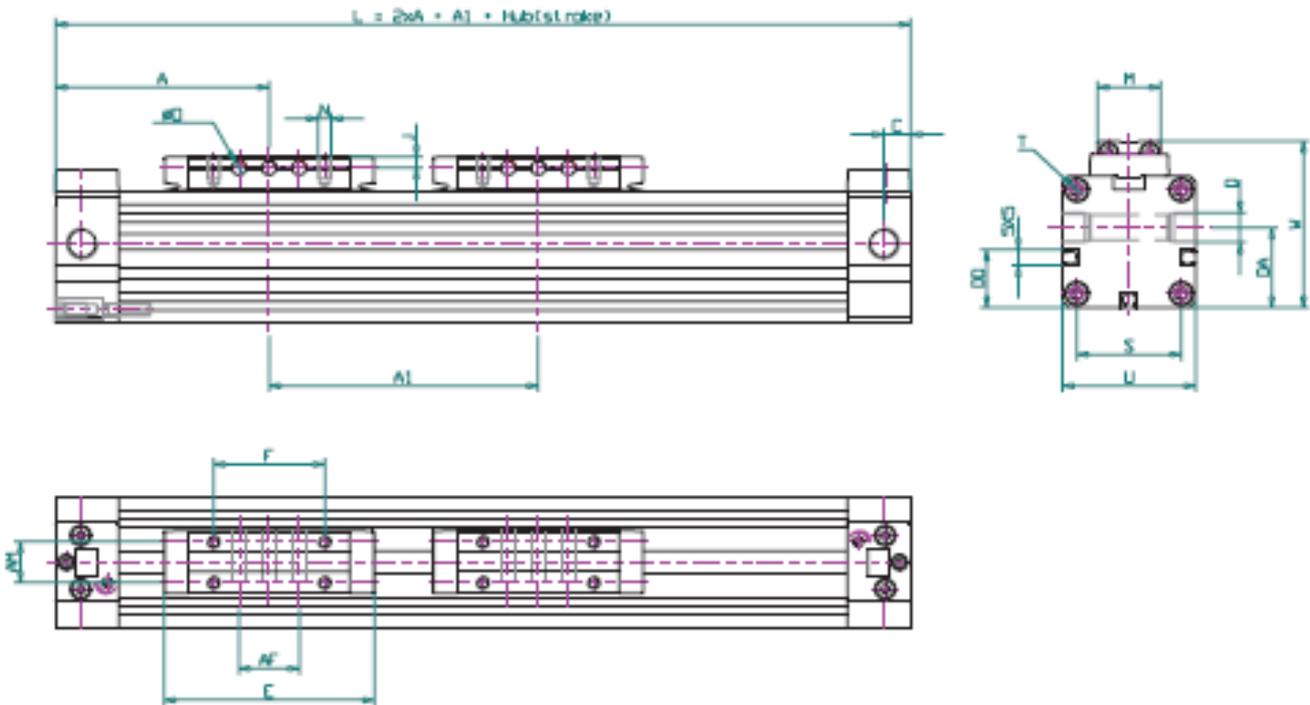
	Ø 18	Ø25	Ø32	Ø40	Ø50	Ø63
A	80	100	120	150	180	215
A1	127	160	200	252	312	370
AF	50	70	100	140	180	230
AM	10	13	16	22	29	40
C	6.5	8.5	8.5	13	13	13
D	M7x1/6	G1/8x7.7	G1/8x7.7	G1/4x11.7	G1/4x11.7	G3/8x11.7
DA	17.6	25.5	31.9	37.7	47.6	56
E	103	131	171	220	280	333
F	75	100	140	180	220	280
G	-	50	70	90	110	140
J	3	3.5	4.5	5	6.5	8
M	15.5	20	25	33	42	54
N	M3x6	M4x7	M5x9	M6x12	M8x12.5	M8x15
ØO	Ø3.5	Ø4.5	Ø5.5	Ø7	Ø7	Ø9
□S	□23.5	□33	□41	□51	□63	□78
T	M3x7	M4x9	M5x10	M6x12	M8x12	M8x12
□U	□30	□42	□52	□63	□78	□93
W	39	53	65	79	96	113.5



6	2	5	1	-	0	2	0	0	-	0	1	0	0
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**Sposób zamawiania: [średnica tłoka 25mm o skoku 100mm] odległość pomiędzy wózkami 200mm**

## SIŁOWNIKI SERII ZTK

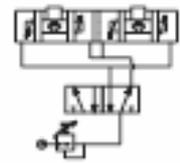
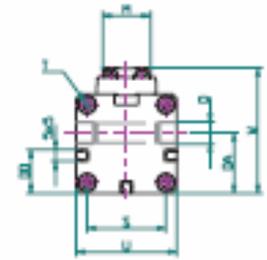
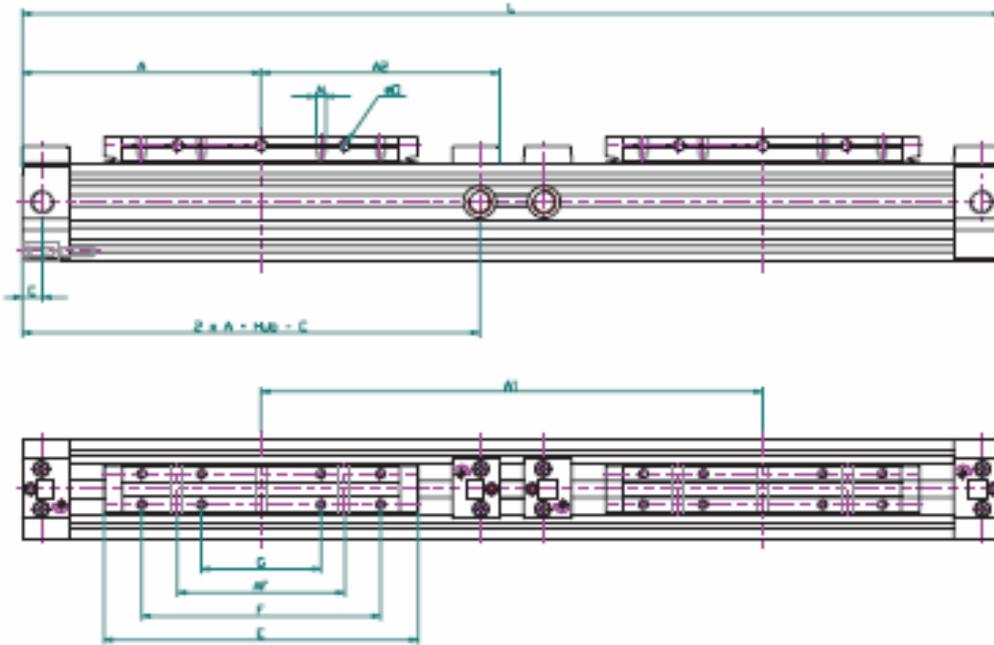


	Ø 18	Ø25	Ø32	Ø40	Ø50	Ø63
A	57.5	67.5	77.5	95	105	125
A1	82	95	115	142	162	190
AM	10	13	16	22	29	40
C	6.5	8.5	8.5	13	13	13
D	M7x1/6	G1/8x7.7	G1/8x7.7	G1/4x11.7	G1/4x11.7	G3/8x11.7
DA	17.6	25.5	31.9	37.7	47.6	56
E	58	66	86	110	130	153
F	30	35	55	70	70	100
J	3	3.5	4.5	5	6.5	8
M	15.5	20	25	33	42	54
N	M3x6	M4x7	M5x9	M6x10	M8x12.5	M8x15
ØO	Ø3.5	Ø4.5	Ø5.5	Ø7	Ø7	Ø9
□S	□23.5	□33	□41	□51	□63	□78
T	M3x7	M4x9	M5x10	M6x12	M8x12	M8x12
□U	□30	□42	□52	□63	□78	□93
W	39	53	65	79	96	113.5



6	2	5	2	-	0	2	0	0	-	0	1	0	0
<b>Sposób zamawiania: [średnica tłoka 25mm o skoku 100mm] odległość pomiędzy wózkami 200mm</b>													

## SIŁOWNIKI SERII ZGS

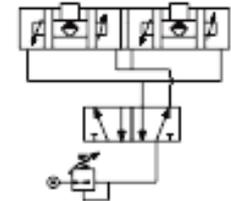
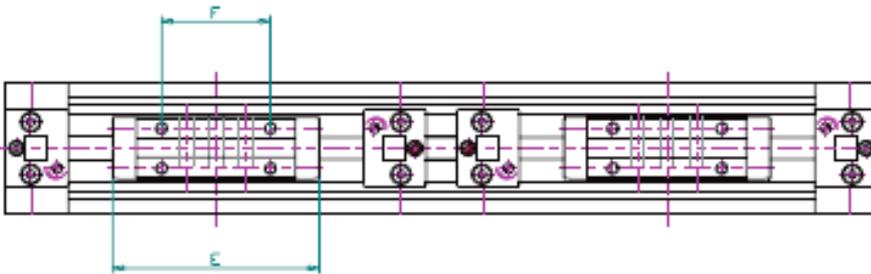
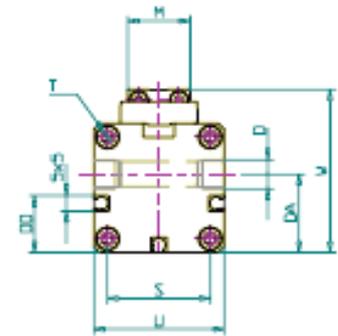
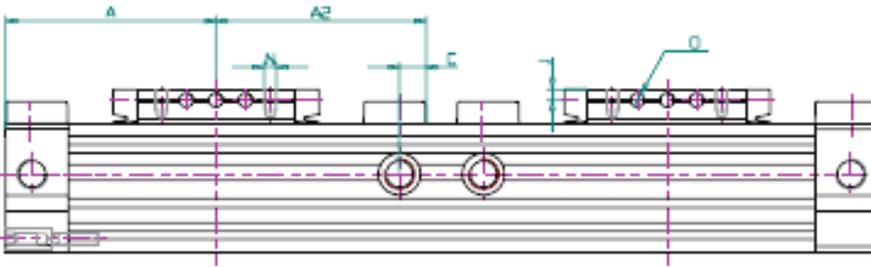


	Ø 18	Ø25	Ø32	Ø40	Ø50	Ø63
A	80	100	120	150	180	215
A1	160	200	240	300	360	430
A2	A + SKOK					
AF	50	70	100	140	180	230
AM	10	13	16	22	29	40
C	6.5	8.5	8.5	13	13	13
D	M7x1/6	G1/8x7.7	G1/8x7.7	G1/4x11.7	G1/4x11.7	G1/4x11.7
DA	17.6	25.5	31.9	37.7	47.6	56
DD	-	18.5	21	29.5	37	44.5
E	103	131	171	220	280	333
F	75	100	140	180	220	280
G	-	50	70	90	110	140
J	3	3.5	4.5	5	6.5	8
L	2 x A + A1					
M	15.5	20	25	33	42	54
N	M3x6	M4x7	M5x9	M5x10	M8x12.5	M8x15
ØO	Ø3.5	Ø4.5	Ø5.5	Ø7	Ø7	Ø9
□S	□23.5	□33	□41	□51	□63	□78
T	M3x7	M4x9	M5x10	M5x12	M8x12	M8x12
□U	□30	□42	□52	□63	□78	□93
W	39	53	65	79	96	113.5



5 2 5 0 - 0 4 0 0 - 0 1 0 0  
**Sposób zamawiania: [średnica tłoka 25mm o skoku 100mm] odległość pomiędzy wózkami 400mm**

## SIŁOWNIKI SERII ZGK



	Ø 18	Ø25	Ø32	Ø40	Ø50	Ø63
A	57.5	67.5	77.5	95	105	125
A1	115	135	155	190	210	250
A2	A + SKOK					
AM	10	13	16	22	29	40
C	6.5	8.5	8.5	13	13	13
D	M7x1/6	G1/8x7.7	G1/8x7.7	G1/4x11.7	G1/4x11.7	G3/8x11.7
DA	17.6	25.5	31.9	37.7	47.6	56
E	58	66	86	110	130	153
F	30	35	55	70	70	100
G	-	50	70	90	110	140
J	3	3.5	4.5	5	6.5	8
L	2 x A + A1					
M	15.5	20	25	33	42	54
N	M3x6	M4x7	M5x9	M6x10	M8x12.5	M8x15
ØO	Ø3.5	Ø4.5	Ø5.5	Ø7	Ø7	Ø9
ØS	Ø23.5	Ø33	Ø41	Ø51	Ø63	Ø78
T	M3x7	M4x9	M5x10	M6x12	M8x12	M8x12
ØU	Ø30	Ø42	Ø52	Ø63	Ø78	Ø93
W	39	53	65	79	96	113.5



5 2 5 3 - 0 4 0 0 - 0 1 0 0  
**Sposób zamawiania: [średnica tłoka 25mm o skoku 100mm] odległość pomiędzy wózkami 400mm**