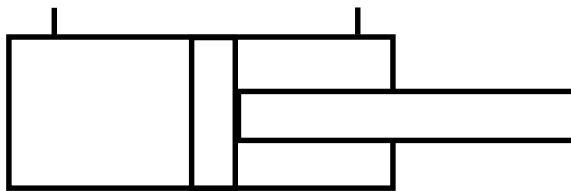


APPLICATION

Single piston rod double acting cylinder transfers accumulated in a working liquid pressure energy into mechanical energy which puts the piston in reciprocating motion. When pressure affects the piston area, the piston travels downwards. When pressure affects the piston rod area, the piston returns.

DIAGRAM

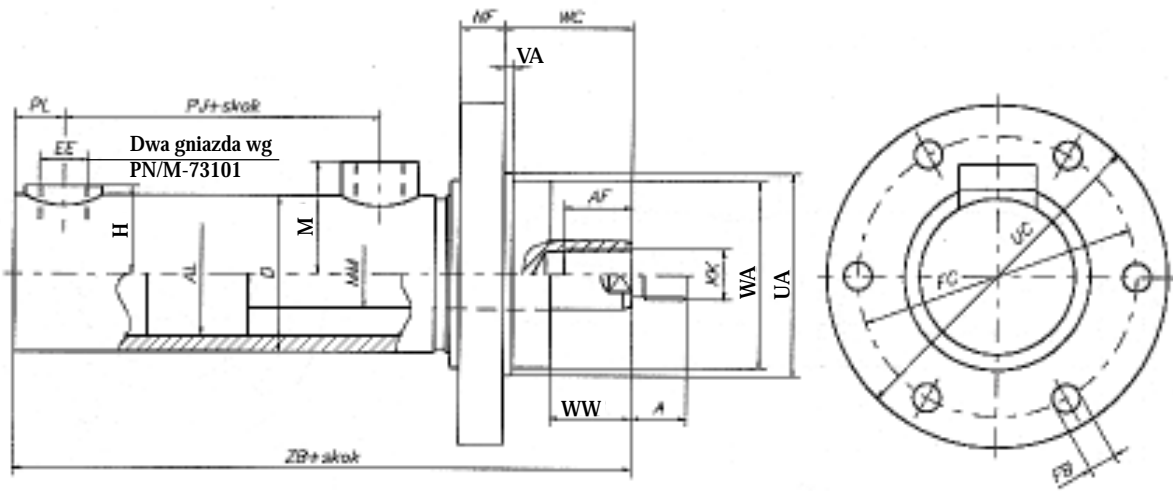


TECHNICAL DATA

Working fluid	Hydraulic fluid (viscosity 10÷450 cSt)
Nominal pressure	16 MPa
Reguired fluid filtration	25 µm
Operating temperature	253÷353 K (-20÷80 °C)
Max rod speed	0.5 m/s
Efficiency	>0.9
Piston rod coating	Chrome

OVERALL DIMENSIONS

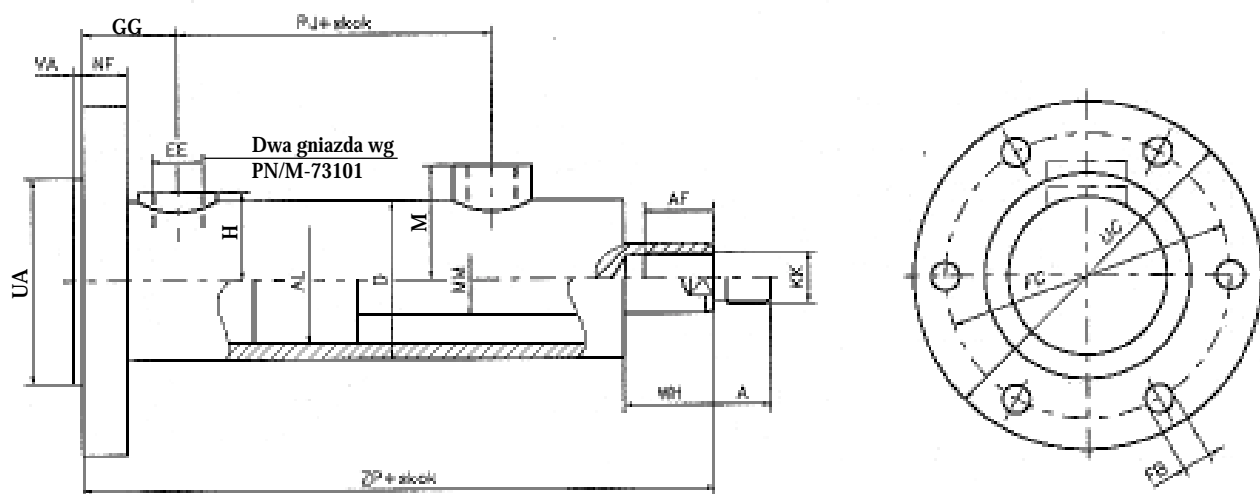
Overall dimensions for type 3



AL	25	32	40	50	63	80	100	125	140	160
MM	18	22	22	28	36	45	56	70	80	90
A	14	16	18	20	22	30	36	45	50	56
AF	16	22	22	30	36	45	50	63	75	85
D	35	42	50	60	76	95	120	146	168	194
EE	M14x1.5	M14x1.5	M16x1.5	M16x1.5	M22x1.5	M27x2	M33x2	M33x2	M33x2	M33x2
FB	7	9	9	11	13.5	17	22	22	26	26
FC	66	85	90	106	130	175	200	230	240	280
H	15	18	22	26	34	50	55	69	80	93
M	31	35	36	42	50	62	75	88	98	110
KK	M12x1.5	M16x1.5	M16x1.5	M22x1.5	M27x2	M33x2	M42x2	M48x2	M56x2	M64x2
WA	—	—	60	70	88	108	118	144	183	230
NF	10	12	14	16	18	19	25	30	30	35
PJ	58	61	64	73	85	105	124	138	155	154
PL	13	13	16	17	21	20	27	28	35	32
UA	50	60	65	85	100	135	150	180	185	240
UC	80	105	110	130	160	210	240	280	288	340
VA	2	2	3	3	3	3	5	4	5	5
WC	14	14	12	18	20	31	30	32	20	50
WW	12	12	4	9	7	8	8	23	6	10
ZB	115	129	138	152	180	210	247	271	316	321

Normalized strokes: 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 630, 800, 1000, 1250, 1600, 2000

Overall dimensions for type 4



AL	25	32	40	50	63	80	100	125	140	160
MM	18	22	22	28	36	45	56	70	80	90
A	14	16	18	20	22	30	36	45	50	56
AF	16	22	22	30	36	45	50	63	75	85
D	35	42	50	60	76	95	120	146	168	194
EE	M14x1.5	M14x1.5	M16x1.5	M16x1.5	M22x1.5	M27x2	M33x2	M33x2	M33x2	M33x2
FB	7	9	9	11	13.5	17	22	22	26	26
FC	66	85	90	106	130	175	200	230	240	280
H	15	18	22	26	34	50	55	69	80	93
M	31	35	36	42	50	62	75	88	98	110
KK	M12x1.5	M16x1.5	M16x1.5	M22x1.5	M27x2	M33x2	M42x2	M48x2	M56x2	M64x2
NF	10	12	14	16	18	19	25	30	30	35
GG	—	—	37	41	46	55	62	—	60	85
PJ	58	61	64	73	85	105	124	138	155	154
UA	50	60	65	85	100	135	150	180	185	240
UC	80	105	110	130	160	210	240	280	288	340
VA	2	2	3	3	3	3	5	4	5	5
WH	12	12	10	15	15	18	20	23	26	36
ZP	—	—	159	178	205	215	284	—	341	374

Normalized strokes: 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 630, 800, 1000, 1250, 1600, 2000

HOW TO ORDER

Orders coded in the way showed below should be forwarded to the manufacturer.

UCJ			16					*
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Piston hydraulic cylinder

Mounting:
 - flange at cylinder head = 3
 - flange at cylinder cap = 4

Piston rod end:
 External metric thread = MZ
 Internal metric thread = MW

Nominal pressure MPa

Series number
 02 = 02
 (00 - 09) installation and connection dimension unchanged

Piston dia
 against a Table

Piston rod dia
 against a Table

Piston stroke
 against a Table

Further requirements to be added in text (to agree with manufacturer)

Coding example:
 UCJ3MZ16-02-80-45-250

For special requirements, please, contact the manufacturer.

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ul. Wojska Polskiego 29
34-100 Wadowice
tel. 033/ 823 39 43, 823 30 41
fax 033/ 873 48 80
e-mail: ponar@ponar-wadowice.pl

