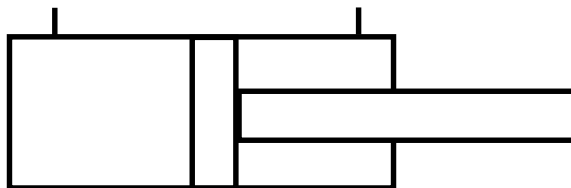


## APPLICATION

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.

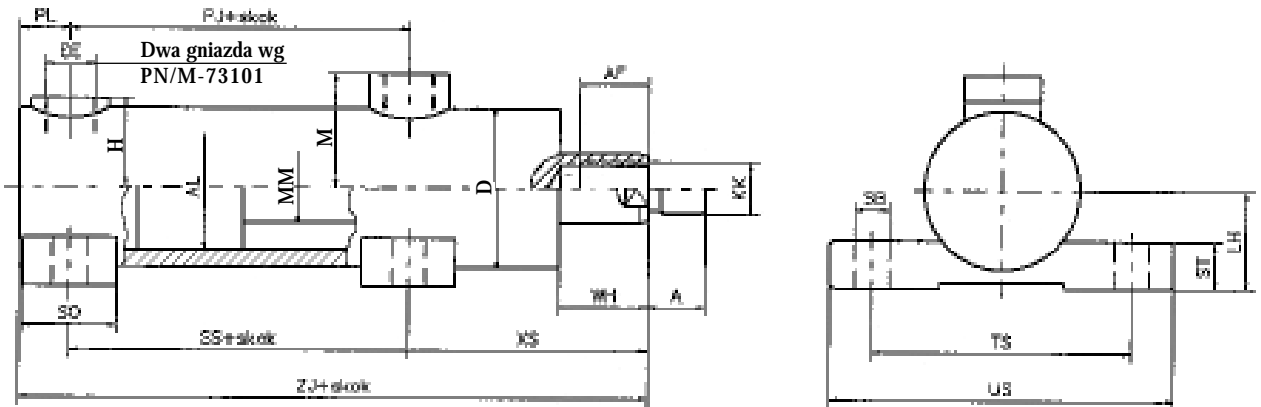
## DIAGRAM



## TECHNICAL DATA

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

# OVERALL DIMENSIONS



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
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
LH	28	—	31	38	44	57	68	85	95	115
PJ	58	61	64	73	85	105	124	138	155	154
PL	13	—	16	17	21	20	27	35	35	37
SB	9	—	11	14	20	20	26	26	30	33
SO	22	—	30	35	50	50	50	60	70	75
SS	58	—	64	73	85	105	124	138	166	154
ST	12	—	15	18	25	30	35	35	35	40
TS	68	—	83	102	124	149	172	205	220	250
US	90	—	110	130	165	190	240	255	280	310
WH	~12	~12	~10	~15	~15	~18	~20	~23	~26	~36
XS	44	—	58	62	74	85	96	108	115	99
ZJ	115	129	138	152	180	210	247	281	316	326

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	6		16					*
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**Piston hydraulic cylinder**

**Mounting:**

- foot

=6

**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:

UCJ6MZ16-02-80-45-250

**For special requirements, please, contact the manufacturer.**

PONAR WADOWICE S.A.  
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fax 033/ 873 48 80  
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