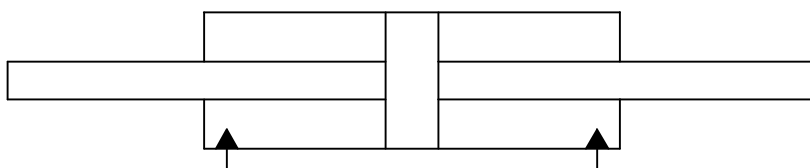


APPLICATION

Hydraulic cylinder with piston rods on both ends transfers accumulated in working liquid pressure energy into mechanical energy which puts the piston reciprocating position.

When pressure affects the piston area, the piston travels downwards. When pressure affects the piston rod area, the piston returns.

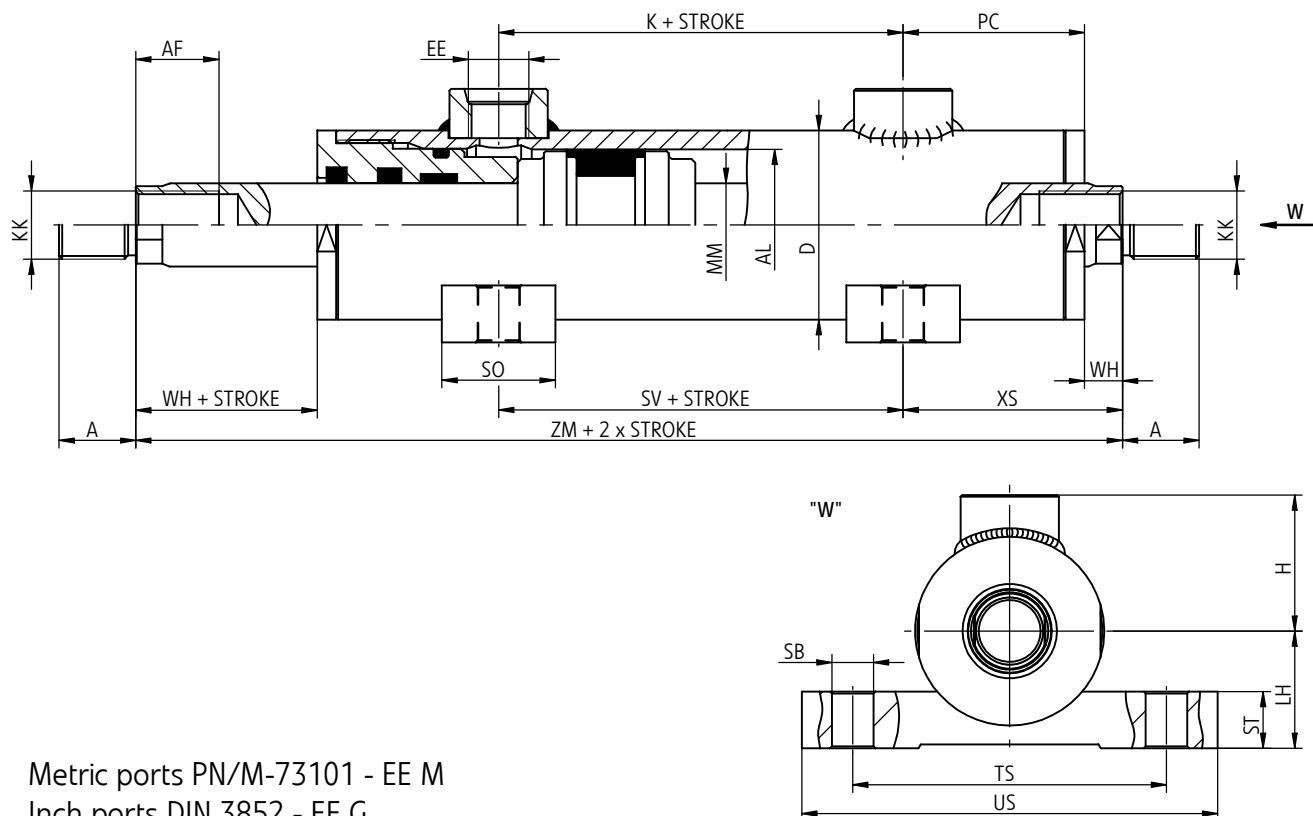
DIAGRAM



TECHNICAL DATA

Working fluid	hydraulic fluid (viscosity 10 - 450 mm ² /s)
Nominal pressure	20 MPa
Required fluid filtration	16 μm
Working temperature range	-30 do 80°C
Max piston rod speed	0,5 m/s
Efficiency	> 0,9
Piston rod coating	chrome

OVERALL DIMENSIONS



Metric ports PN/M-73101 - EE M

Inch ports DIN 3852 - EE G

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	65	76	95	120	150	170	195
EE	M	M14x1,5	M14x1,5	M16x1,5	M16x1,5	M22x1,5	M27x2	M33x2	M33x2	M33x2	M33x2
	G	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G1	G1	G1	G1
H		31	32	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
PC		32	-	48	47	59	67	86	85	100	99
PK		61	-	57	59	72	92	114	130	-	162
SB		9	-	11	14	20	20	26	26	30	33
SO		22	-	30	35	50	50	50	60	70	75
ST		12	-	15	18	25	30	35	35	35	40
SV		71	-	57	59	72	92	114	120	-	162
TS		68	-	83	102	124	149	172	205	220	250
US		90	-	110	130	165	190	240	255	280	310
WH		12	-	10	15	15	18	20	23	26	36
XS		44	-	58	62	74	85	96	108	115	135
ZM		159	163	163	183	220	262	306	338	-	432

HOW TO ORDER

UCD	+		+	20	+		/	+		+	*
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**Hydraulic cylinder with piston rods
on both sides**

Mounting

foot = 6

Ports

metric thread = M

inch thread = G

Piston rod end

External metric thread = Z

Internal metric thread = W

Nominal pressure MPa

Series number

X5 = X5 (X5-X9)

installation and connecton dimension unchanged

Piston diameter

against a table

Piston rod diameter

against a table

Piston stroke

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

- XXXX

coding example:

UCD6-MZ-20-X5-80/45-500

For special requirements, please, contact the manufacturer.

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