

# HYDRAULIC CYLINDERS

## MMK ZKP STYLE HYDRAULIC CYLINDERS



In order to respond with the latest NC Lathes, this Thru-Hole turning cylinder has a large Thru-Hole and is designed for high-speed turning. Lock Valve is stored in for safety and standard on all units.

### FEATURES:

- Large Thru-Hole Capacity
- High-Speed
- Efficient Design
- Built In Lock Valves



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Listed Prices!**

Model	ZKP100/24-10	ZKP100/34-10	ZKP125/46-13	ZKP150/52-17	ZKP170/75-20	ZKP195/93-20	ZKP200/85-25	ZKP230/120-30
Price	\$2205.00	\$2454.30	\$2772.90	\$2864.70	\$3339.90	\$4486.50	\$4396.50	\$5877.00
Cylinder Size	4"	5"	6"	8"	10"	12"	12"	15"1/8"
Piston Area-Push (cm2)	71.47	65.97	99.82	148.4	170.2	211.95	243.28	282.7
Piston Area-Pull (cm2)	67.2	60.44	89.53	138.2	156.1	194.68	219.13	250.3
Draw Pull - Push (kg)	1930	1781	2695	4007	5361	6676	6569	7633
Draw Pull - Pull (kg)	1814	1632	2417	3731	4917	6132	5917	6758
Stoke of Piston (mm)	10	10	13	17	20	20	25	30
Thru-hole Dia. (mm)	24	34	46	52	75	93	85	120
Max Speed	8000	7000	7100	6300	5000	4000	4300	3400
Max Pressure (kg/cm2)	30	30	30	30	35	35	30	30
GD2 (kg*m2)	0.05	0.06	0.11	0.4	0.42	1.3	0.71	2
Weight	14	14	18	26	33	46.5	42	65

## ROTARY HYDRAULIC CYLINDERS

### Super High Speed Through Hole

Strong large thru-hole, high speed rotary hydraulic cylinders are for use with all thru-hole power chucks with speeds up to 7000RPM. All cylinders come with hydraulic pressure lock system and a built-in check valve.

**Strong**



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MODEL	Piston Area			Draw Bar Pull Force			Max Op. Pressure	Max Speed	Moment Inertia	Weight	Total Leakage	Part Number	Price
	Piston Dia	Push Side	Pull side	Piston Stroke	Push Side	Pull Side							
M1036	105	71	68.5	15	24.8(2529)	24(2447)	40.8	8000	0.011	8.6	3	UT-M1036	\$2,322.00
M1236	125	100	89	15	38(3875)	33(3365)	40.8	7000	0.019	13	3	UT-M1236	\$2,581.00
M1246	125	100	89	15	38(3875)	33(3365)	40.8	7000	0.019	12	3	UT-M1246	\$2,592.00
M1546	155	161	150	22	60(6118)	56(5710)	40.8	6200	0.052	18	3.9	UT-M1546	\$2,862.00
M1552	155	161	150	22	60(6118)	56(5710)	40.8	6200	0.052	16.8	3.9	UT-M1552	\$2,952.00
M1868	180	198	183	25	75(7546)	69(7036)	40.8	4700	0.095	28	4.2	UT-M1868	\$3,402.00
M1875	180	198	183	25	75(7546)	69(7036)	40.8	4700	0.095	26	4.2	UT-M1875	\$3,492.00
M2091	205	252	234	30	94(9585)	94(9585)	40.8	3800	0.15	37	4.5	UT-M2091	\$4,392.00
M2511	250	348	336	23	124(12644)	120(12236)	40.8	2800	0.45	57	7	UT-M2511	\$5,292.00

## POWER CHUCK LUBRICANT

**CHUCK-EEZ**



### FEATURES:

- Double to Triple Clamping Pressure.
- Keeps Work Piece Clamped in Place.
- Provides Boundary Lubrication Protection.
- Lowers Friction and Wear.
- Assists in Wear-In of New Chucks
- Lowers Maintenance Costs.
- High Resistance to Centrifuge Force.

**The More You Buy,  
The More You SAVE!**

**REMINDER!**  
For optimum performance, it is recommended that you grease your chuck once per shift.

Quantity Discounts	
Each	List
12-23	Save 10%
24-35	Save 12%
36 +	Save 15%

Container Size	Case Qty	Part Number	Price Each
4 Oz Cartridge	24	EZ-21471	\$4.86
4 Oz Cartridge w/ grease gun	1	EZ-OKIT-21471	\$30.88
16 Oz Cartridge	12	EZ-21478	\$14.02
10 Lb Pail	1	EZ-21444	\$109.92
40 Lb Pail	1	EZ-21445	\$399.35
135 Lb Keg	1	EZ-21446	\$1285.25

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