

Klosed End

Large Powerthane

Rods, Slabs, and Bars

Powerthane XTRA

**Metric Die Springs and Punch
Strippers**

Die Springs and Punch Strippers

AJACS

800-968-6868
Ph: 616-452-1469
Fax: 616-452-1386
sales@ajacs.com

URETHANE DIE SPRINGS AND PUNCH STRIPPERS



ALL
PRODUCTS
Available In Metric

STANDARD 95-A TUBES

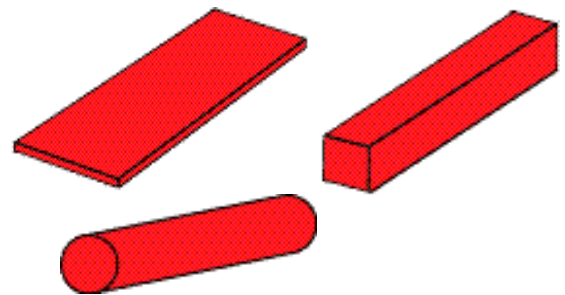
I.D.	O.D.	LENGTH	PART #
3/16	11/16	25"	LUT 1868
	13/16		MUT 1881
	15/16		HUT 1893
1/4	3/4	25"	LUT 2575
	7/8		MUT 2587
	1		HUT 2510
5/16	13/16	25"	LUT 3181
	15/16		MUT 3193
	1 1/8		HUT 3111
3/8	7/8	25"	LUT 3787
	1		MUT 3710
	1 1/8		HUT 3711
1/2	1	25"	LUT 5010
	1 1/8		MUT 5011
	1 1/4		HUT 5012
5/8	1 1/8	25"	LUT 6211
	1 1/4		MUT 6212
	1 3/8		HUT 6213
3/4	1 3/8	25"	LUT 7513
	1 1/2		MUT 7515
	1 3/4		HUT 7517
7/8	1 1/2	25"	LUT 8715
	1 3/4		MUT 8717
	2		HUT 8720
1	1 3/4	25"	LUT 1017
	2		MUT 1020
	2 1/2		HUT 1025
1 1/4	2 1/2	25"	MUT 1225
1 1/2	2 1/2	25"	MUT 1525

CUT, READY TO USE LENGTHS AND I.D.'S UP TO 4" AVAILABLE

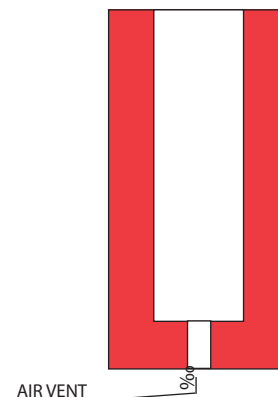
POWERTHANE®

A Product of TOOL MATE

SHEETS • BARS • RODS



Klosed End™



www.toolmatecorp.com

BROCHURE 103

TOOL MATE CORP.

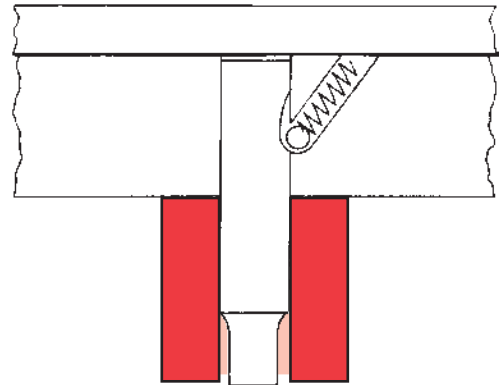
(513) 729-1160 FAX (513) 729-2636
P.O. BOX 53336 CINCINNATI, OHIO 45253

Light Pressure

POWERTHANE is available in 3 diameters for each I.D. listed - changing outside diameter changes pressure - the larger the mass deflected the higher the pressure.

POWERTHANE will not mar surface finishes.

POWERTHANE provides an excellent balance of load bearing and memory rate, with a tensile strength of 6800 P.S.I., deflections greater than 25% are not recommended; for optimum life in high speed continuous operations, a 15% deflection is suggested. Durometer hardness 95 Shore A.



* Powerthane I.D.'s are wring fit for standard punches, dowels and stripper bolts as approved by American National Standards Institute.

Pressure shown are as free standing when mounted wring fit pressures will be approximately 25% greater.



POWERTHANE'S highest pressures are available with shorter lengths, and greater mass, care should be used to avoid over deflection causing heat build up, shortening wear life.

Pressures are approximate, each additional 1/8" deflection increases pressure 60% up to maximum recommended deflections of 25%.

BROCHURE L103

When ordering specify: Quantity Part # Length

*SEE MEDIUM PRESSURE

8

U4

2 1/4

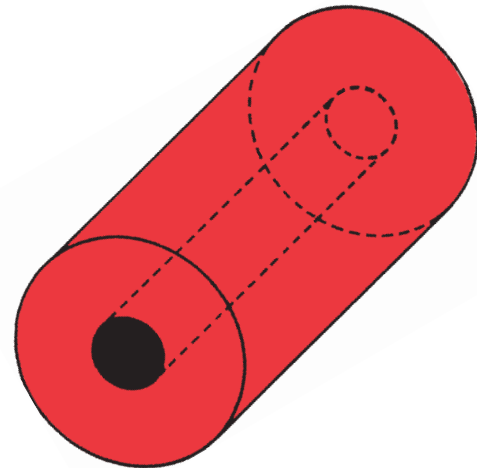
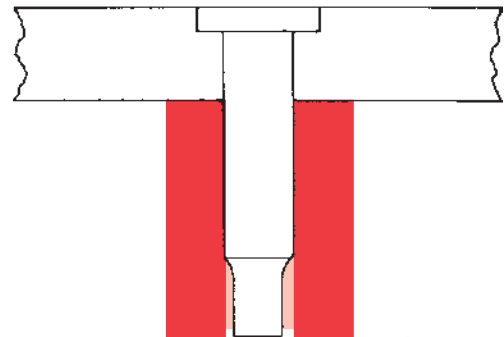
I.D.	O.D.	LENGTH	PART #	LBS. PRESSURE 1/8" DEFLCTION		
3/16	1 1/16	1	LU 1868-100	300		
		1 1/4	LU 1868-125	250		
		1 1/2	LU 1868-150	225		
		25	LUT 1868			
1/4	3/4	1	LU 2575-100	325		
		1 1/4	LU 2575-125	250		
		1 1/2	LU 2575-150	225		
		1 3/4	LU 2575-175	200		
		25	LUT 2575			
5/16	1 3/16	1	LU 3181-100	375		
		1 1/4	LU 3181-125	325		
		1 1/2	LU 3181-150	300		
		1 3/4	LU 3181-175	275		
		2	LU 3181-200	250		
		25	LUT 3181			
3/8	7/8	1	LU 3787-100	400		
		1	LU 3787-125	350		
		1	LU 3787-150	275		
		1	LU 3787-175	250		
		1	LU 3787-200	225		
		1	LU 3787-225	215		
		1	LU 3787-250	200		
		1	LUT 3787			
1/2	1	1	LU 5010-100	500		
		1	LU 5010-125	350		
		1	LU 5010-150	325		
		1	LU 5010-175	300		
		1	LU 5010-200	275		
		1	LU 5010-225	250		
		1	LU 5010-250	225		
		1	LUT 5010			
5/8	1 1/8	1	LU 6211-100	550		
		1	LU 6211-125	450		
		1	LU 6211-150	375		
		1	LU 6211-175	325		
		1	LU 6211-200	300		
		1	LU 6211-225	275		
		1	LU 6211-250	250		
		1	LUT 6211			
3/4	1 3/8	1	LU 7513-125	750		
		1	LU 7513-150	650		
		1	LU 7513-175	550		
		1	LU 7513-200	475		
		1	LU 7513-225	400		
		1	LU 7513-250	325		
		1	LU 7513-275	275		
		1	LU 7513-300	250		
7/8	1 1/2	1	LUT 7513			
		1	LU 8715-125	1100		
		1	LU 8715-150	950		
		1	LU 8715-175	875		
		1	LU 8715-200	800		
		1	LU 8715-225	750		
		1	LU 8715-250	600		
		1	LU 8715-275	450		
1	1 3/4	1	LU 8715-300	375		
		1	LUT 8715			
		1	LU 1017-100	1100		
		1	LU 1017-100	1000		
		1	LU 1017-100	800		
		1	LU 1017-100	700		
		1	LU 1017-100	600		
		1	LU 1017-100	550		
*1 1/4	2 1/2	1	LU 1017-100	500		
		1	LU 1017-100	475		
		1	LU 1017-100	400		
		1	LUT 1017			
		1	MUT 1225	300		
		1	MUT 1525	300		
		*1 1/2	2 1/2	1	MUT 1225	300
		*1 1/2	2 1/2	1	MUT 1525	300

I.D.	O.D.	LENGTH	PART #	LBS. PRESSURE 1/8" DEFLECTION
3/16	13/16	1	MU 1881-100	425
		1 1/4	MU 1881-125	375
		1 1/2	MU 1881-150	325
		25	MUT 1881	
1/4	7/8	1	MU 2587-100	475
		1 1/4	MU 2587-125	350
		1 1/2	MU 2587-150	300
		1 3/4	MU 2587-175	275
		25	MUT 2587	
5/16	5/16	1	MU 3193-100	525
		1 1/4	MU 3193-125	475
		1 1/2	MU 3193-150	450
		1 3/4	MU 3193-175	425
		2	MU 3193-200	400
		25	MUT 3193	
3/8	1	1	MU 3710-100	575
		1 1/4	MU 3710-125	475
		1 1/2	MU 3710-150	400
		1 3/4	MU 3710-175	325
		2	MU 3710-200	300
		2 1/4	MU 3710-225	275
		2 1/2	MU 3710-250	250
		25	MUT 3710	
1/2	1-1/8	1	MU 5011-100	675
		1 1/4	MU 5011-125	600
		1 1/2	MU 5011-150	475
		1 3/4	MU 5011-175	425
		2	MU 5011-200	400
		2 1/4	MU 5011-225	375
		2 1/2	MU 5011-250	350
		25	MUT 5011	
5/8	1-1/4	1	MU 6212-100	800
		1 1/4	MU 6212-125	650
		1 1/2	MU 6212-150	525
		1 3/4	MU 6212-175	425
		2	MU 6212-200	400
		2 1/4	MU 6212-225	375
		2 1/2	MU 6212-250	350
25	MUT 6212			
3/4	1-1/2	1 1/4	MU 7515-125	1175
		1 1/2	MU 7515-150	1000
		1 3/4	MU 7515-175	850
		2	MU 7515-200	750
		2 1/4	MU 7515-225	700
		2 1/2	MU 7515-250	625
		2 3/4	MU 7515-275	550
		3	MU 7515-300	475
		25	MUT 7515	
		7/8	1-3/4	1 1/4
1 1/2	MU 8717-150			1100
1 3/4	MU 8717-175			950
2	MU 8717-200			875
2 1/4	MU 8717-225			775
2 1/2	MU 8717-250			650
2 3/4	MU 8717-275			600
3	MU 8717-300			475
25	MUT 8717			
1	2	1 1/4	MU 1020-125	2400
		1 1/2	MU 1020-150	2250
		1 3/4	MU 1020-175	2100
		2	MU 1020-200	1800
		2 1/4	MU 1020-225	1500
		2 1/2	MU 1020-250	1300
		2 3/4	MU 1020-275	1000
		3	MU 1020-300	800
		25	MUT 1020	
1-1/4	2 -1/2	1 1/4	MU 1225-125	2500
		1 1/2	MU 1225-150	2400
		1 3/4	MU 1225-175	2300
		2	MU 1225-200	2100
		2 1/4	MU 1225-225	1900
		2 1/2	MU 1225-250	1600
		2 3/4	MU 1225-275	1300
		3	MU 1225-300	1100
25	MUT 1225			
1-1/2	2 -1/2	1 1/4	MU 1525-125	1700
		1 1/2	MU 1525-150	1525
		1 3/4	MU 1525-175	1300
		2	MU 1525-200	1175
		2 1/4	MU 1525-225	1050
		2 1/2	MU 1525-250	975
		2 3/4	MU 1525-275	925
3	MU 1525-300	875		
25	MUT 1525			

Medium Pressure

POWERTHANE is available in 3 diameters for each I.D. listed - changing outside diameter changes pressure - the larger the mass deflected the higher the pressure. Durometer hardness 95 Shore A.

POWERTHANE®
A PRODUCT OF



POWERTHANE tubes are available without delay in 25" lengths - listed cut lengths - special cut lengths.

POWERTHANE is easily sliced to length, for bandsawing a high tension carbon blade with a raker set at a maximum of 1800 ft./mn. is suggested; for lathe cuts use HSS tool bits with 10" positive rake at 800 surface ft./min., to maintain die balance keep ends square, rotating tubes while cutting will facilitate square cuts.

**When Ordering Specify Quantity and Part Number.
BROCHURE M103**

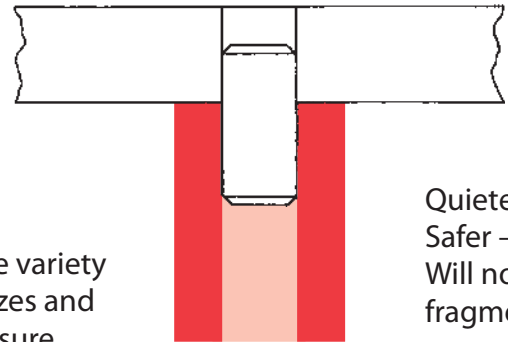
TERMS: Net 30 Days
F.O.B. Shipping Point
Minimum Order \$15.00

I.D.	O.D.	LENGTH	PART #	LBS. PRESSURE 1/8" DEFLECTION
3/16	13/16	1	HU 1893-100	775
		1 1/4	HU 1893-125	650
		1 1/2	HU 1893-150	525
		25	HUT 1893	
1/4	1	1	HU 2510-100	700
		1 1/4	HU 2510-125	550
		1 1/2	HU 2510-150	400
		1 3/4	HU 2510-175	350
		25	HUT 2510	
5/16	1 1/8	1	HU 3111-100	800
		1 1/4	HU 3111-125	600
		1 1/2	HU 3111-150	575
		1 3/4	HU 3111-175	525
		2	HU 3111-200	475
		25	HUT 3111	
3/8	1 1/8	1	HU 3711-100	800
		1 1/4	HU 3711-125	600
		1 1/2	HU 3711-150	525
		1 3/4	HU 3711-175	475
		2	HU 3711-200	425
		2 1/4	HU 3711-225	375
		2 1/2	HU 3711-250	325
		25	HUT 3711	
1/2	1 1/4	1	HU 5012-100	875
		1 1/4	HU 5012-125	700
		1 1/2	HU 5012-150	550
		1 3/4	HU 5012-175	500
		2	HU 5012-200	475
		2 1/4	HU 5012-225	450
		2 1/2	HU 5012-250	400
		25	HUT 5012	
5/8	1 3/8	1	HU 6213-100	900
		1 1/4	HU 6213-125	825
		1 1/2	HU 6213-150	750
		1 3/4	HU 6213-175	550
		2	HU 6213-200	500
		2 1/4	HU 6213-225	450
		2 1/2	HU 6213-250	425
25	HUT 6213			
3/4	1 3/4	1 1/4	HU 7517-125	1400
		1 1/2	HU 7517-150	1200
		1 3/4	HU 7517-175	1000
		2	HU 7517-200	900
		2 1/4	HU 7517-225	800
		2 1/2	HU 7517-250	700
		2 3/4	HU 7517-275	650
		3	HU 7517-300	600
		25	HUT 7517	
7/8	2	1 1/4	HU 8720-125	1600
		1 1/2	HU 8720-150	1300
		1 3/4	HU 8720-175	1150
		2	HU 8720-200	1000
		2 1/4	HU 8720-225	900
		2 1/2	HU 8720-250	800
		2 3/4	HU 8720-275	700
		3	HU 8720-300	600
25	HUT 8720			
1	2 1/2	1 1/4	HU 1025-125	2600
		1 1/2	HU 1025-150	2400
		1 3/4	HU 1025-175	2250
		2	HU 1025-200	2000
		2 1/4	HU 1025-225	1800
		2 1/2	HU 1025-250	1500
		2 3/4	HU 1025-275	1200
		3	HU 1025-300	1000
		4	HU 1025-400	800
		25	HUT 1025	
*1 1/4	2 1/2	25	MUT 1225	
*1 1/2	2 1/2	25	MUT 1525	

Heavy Pressure

POWERTHANE is available in 3 diameters for each I.D. listed - changing outside diameter changes pressure - the larger the mass deflected the higher the pressure.

Durometer hardness 95 Shore A.



Wide variety of sizes and pressure available

Quieter -
Safer -
Will not fragmentize

Absorbs shock

POWERTHANE tubes are available without delay in 25" lengths - listed cut lengths - special cut lengths.

Pressure shown are as free standing when mounted w/ing fit pressures will be approximately 25% greater.

POWERTHANE highest pressures are available with shorter lengths, and greater mass, care should be used to avoid over deflection causing heat build up, shortening wear life.

Pressures are approximate, each additional 1/8" deflection increases pressure 60% up to maximum recommended deflections of 25%.



BROCHURE H103

* Registered T.M. of TOOL MATE CORPORATION
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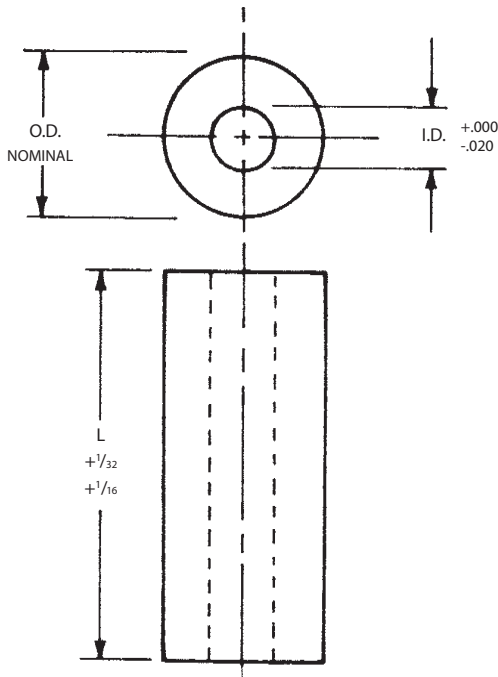
*SEE MEDIUM PRESSURE

TOOL MATE CORP.

(513) 729-1160 FAX (513) 729-2636
P.O. BOX 53336 CINCINNATI, OHIO 45253

CLEAR URETHANE PUNCH STRIPPERS

"U" Stripper/Springs are pure uncolored 90 A durometer urethane with 30% maximum deflection.



I.D.'s are wring fit for standard punches - dowels-stripper bolts etc.

Pressure shown are as free standing when mounted wring fit pressures will be approximately 25% greater.

Urethane deflects but does not compress, spacing consideration should allow for expansion equal to deflection.

Clear 90 A durometer urethane stripper/springs offer more travel (deflection) 30% maximum - visible quality check.

PART #	LENGTH L	I.D.	O.D.	LOAD POUNDS TO DEFLECT			
				1/8	1/4	3/8	1/2
U 1	1 1/4	3/16	1 1/16	125	230	400	
	1 1/2			120	225	390	
	T25			-	-	-	
U 2	1 1/4	1/4	3/4	135	250	420	
	1 1/2			120	240	380	
	1 3/4			125	230	345	
	2			115	215	300	
	2 1/4			110	200	270	
	T25			-	-	-	
U 3	1 1/4	5/16	1 3/16	160	300	500	
	1 1/2			150	280	445	
	1 3/4			140	260	390	
	2			135	240	350	
	2 1/4			125	220	310	
	T25			-	-	-	
U 4	1 1/4	3/8	7/8	170	320	510	
	1 1/2			160	310	475	
	1 3/4			150	290	440	
	2			140	260	390	
	2 1/4			130	225	350	
	T25			-	-	-	
U 5	1 1/4	1/2	1	205	370	550	
	1 1/2			195	355	520	
	1 3/4			180	335	480	
	2			165	305	440	
	2 1/4			150	270	395	520
	2 1/2			140	240	350	490
T25	-	-	-				
U 6	1 1/4	5/8	1 1/8	240	420	610	
	1 1/2			235	410	600	
	1 3/4			230	400	590	
	2			225	390	575	
	2 1/4			220	375	550	790
	2 1/2			205	360	525	760
T25	-	-	-				
U 7	1 1/2	3/4	1 3/8	380	675	950	
	1 3/4			360	645	920	
	2			340	610	885	
	2 1/4			320	575	810	1150
	2 1/2			275	525	735	1070
	2 3/4			240	475	670	980
	3			210	410	600	875
	T25			-	-	-	
U 8	1 1/2	7/8	1 5/8	480	870	1260	
	1 3/4			470	850	1240	
	2			450	825	1210	
	2 1/4			440	800	1175	1660
	2 1/2			425	770	1120	1600
	2 3/4			410	740	1075	1525
	3			395	705	1025	1430
	T25			-	-	-	
U 9	1 1/2	1	1 3/4	570	980	1400	
	1 3/4			550	970	1385	
	2			530	955	1370	
	2 1/4			510	930	1345	1850
	2 1/2			485	900	1315	1800
	2 3/4			465	865	1275	1745
	3			440	820	1235	1675
	T25			-	-	-	



Prices listed are for standard hardness of 90 Shore A durometer

BROCHURE U103

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When ordering specify: Quantity 8 Part # U4 Length 2 1/4

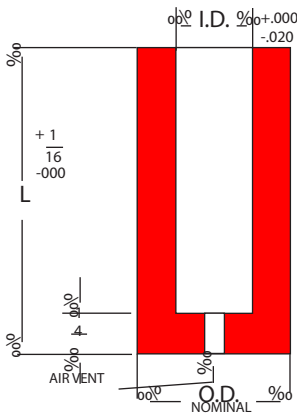
TERMS: Net 30 Days
F.O.B. Shipping Point
Minimum Order \$15.00

KLOSED END™

PUNCH STRIPPERS

KLOSED END™ urethane strippers are shaped to suit the punch point by closing the die – without the material – the point and the die cavity provide the shearing action to shape the KLOSED END™.

SPECIAL SIZES AND METRICS AVAILABLE



WE SHIP
98%
SAME DAY
FROM STOCK

KLOSED END™ strippers provide stripping action directly around the punch point, dampening shock and vibration.

POWERTHANE®

POWERTHANE provides an excellent balance of load bearing and memory rate, with a tensile strength of 6800 P.S.I., deflections greater than 25% are not recommended; for optimum life in high speed continuous operations, a 15% deflection is suggested. Durometer hardness 95 Shore A.

**ISO 9002:1994
COMPLIANT**



TERMS: Net 30 Days
F.O.B. Shipping Point
Minimum Order \$15.00
BROCHURE K103



www.toolmatecorp.com

PART #	I.D.	O.D.	LENGTH L	APPROXIMATE PRESSURE AVAILABLE AT DEFLECTION OF		
				1/8	1/4	3/8
K18-125	3/16	11/16	1 1/4	275	440	-
K18-150			1 1/2	250	400	-
K18-175			1 3/4	225	375	-
K25-125	1/4	3/4	1 1/4	310	500	-
K25-150			1 1/2	300	490	-
K25-175			1 3/4	250	400	520
K25-200			2	240	380	510
K31-125	5/16	13/16	1 1/4	350	540	-
K31-150			1 1/2	325	475	-
K31-175			1 3/4	320	450	720
K31-200			2	260	390	600
K31-225			2 1/4	230	370	590
K37-125	3/8	7/8	1 1/4	470	725	-
K37-150			1 1/2	420	700	-
K37-175			1 3/4	390	640	775
K37-200			2	360	580	700
K37-225	2 1/4	330	520	680		
K50-125	1/2	1	1 1/4	575	830	-
K50-150			1 1/2	510	780	-
K50-175			1 3/4	480	720	940
K50-200			2	370	560	685
K50-225			2 1/4	320	520	640
K50-250			2 1/2	300	480	600
K62-125	5/8	1 1/8	1 1/4	670	970	-
K62-150			1 1/2	565	885	-
K62-175			1 3/4	530	830	1040
K62-200			2	480	780	980
K62-225	2 1/4	440	720	900		
K75-175	3/4	1 1/2	1 3/4	560	860	1260
K75-200			2	450	750	1100
K75-225			2 1/4	390	690	1050
K75-250			2 1/2	350	650	1000
K75-275			2 3/4	340	640	950
K75-300	3	320	510	820		
K87-175	7/8	1 3/4	1 3/4	1600	2300	3500
K87-200			2	1350	2050	3000
K87-225			2 1/4	1325	2025	2700
K87-250			2 1/2	1000	1700	2100
K87-275			2 3/4	950	1650	1950
K87-300			3	850	1450	1850
K100-175	1	2	1 3/4	2100	3100	3600
K100-200			2	1750	2700	3500
K100-225			2 1/4	1550	2400	3300
K100-250			2 1/2	1350	2100	3100
K100-275			2 3/4	1100	1900	2900
K100-300			3	950	1500	2400

TOOL MATE CORP.

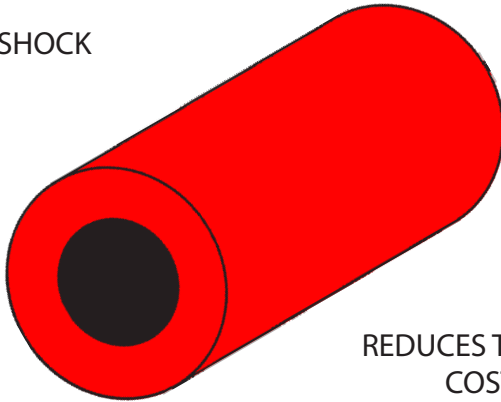
(513) 729-1160 FAX (513) 729-2636
P.O. BOX 53336 CINCINNATI, OHIO 45253

LARGE POWERTHANE®

- PUNCH STRIPPERS
- DIE SPRINGS

POWERTHANE is a select group of polyurethane formulations meeting the high energy storing flexing requirements of the tool and die industry. Prices listed are for standard hardness 90 shore A durometer – widely used for most general applications – tensile strength 5700 P.S.I. – maximum recommended deflection 30%.

ABSORBS SHOCK



REDUCES TOOLING COSTS

SPECIAL SIZES & DUROMETERS AVAILABLE

POWERTHANE is easily sliced to length, for bandsawing a high tension carbon blade with a rake set at a maximum of 1800 ft./mn. is suggested; for lathe cuts use HSS tool bits with 10½ positive rake at 800 surface ft./mn., to maintain die balance keep ends square, rotating tubes while cutting will facilitate square cuts.

POWERTHANE deflects but does not compress, spacing consideration should allow for expansion equal to deflection.

POWERTHANE's highest pressures are available with shorter lengths, and greater mass, care should be used to avoid over deflection causing heat build up, shortening wear life.



POWERTHANE I.D.'s are wring fit for standard punches, dowels and stripper bolts as approved by ANSI.

www.toolmatecorp.com

PART #	LENGTH L"	I.D.	O.D.	LOAD POUNDS TO DEFLECT	
				1/8"	1/4"
P 150	1½	1½	3	2100	3300
	1¾			1950	3100
	2			1700	2700
	2¼			1500	2400
	2½			1350	2100
	3			1100	1800
PT 150	25"			-	-
P 175	1½	1¾	3¼	2300	3700
	1¾			2150	3400
	2			2000	3200
	2¼			1800	2900
	2½			1550	2500
	3			1300	2100
PT 175	25"			-	-
P 200	1½	2	3½	2400	3900
	1¾			2250	3600
	2			2100	3400
	2¼			1900	3100
	2½			1650	2700
	3			1400	2300
PT 200	25"			-	-
P 225	1½	2¼	4	2550	4100
	1¾			2400	3900
	2			2250	3600
	2¼			2050	3300
	2½			1800	2900
	3			1800	2900
PT 225	25"			-	-
P 250	1½	2½	4½	2700	4300
	1¾			2600	4100
	2			2450	3900
	2¼			2350	3700
	2½			2100	3400
	3			1850	3000
PT 250	25"			-	-
P 300	1½	3	5	2700	4300
	1¾			2600	4200
	2			2450	4000
	2¼			2350	3800
	2½			2100	3400
	3			1850	3000
PT 300	25"			-	-
P 400	1½	4	5½	2550	4100
	1¾			2400	3800
	2			2250	3600
	2¼			2050	3300
	2½			1800	2900
	3			1550	2500
PT 400	25"			-	-

Pressures are approximate, each additional 1/8" deflection increases pressure 60% up to maximum recommend deflection of 30%.

ISO 9002:1994



When ordering specify: Quantity 5 Part # PT 150

TERMS: Net 30 Days
F.O.B. Shipping Point
Minimum Order \$15.00
BROCHURE P103

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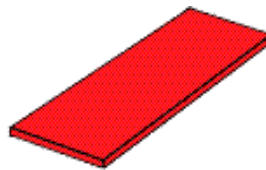
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RODS, SLABS,

A PRODUCT OF
TOOL MATE

POWERTHANE®

SLABS – PADS



SIZE	THICKNESS											
	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
6" x 6"	●	●	●	●	●	●	●	●	●	●	●	●
6" x 12"	●	●	●	●	●	●	●	●	●	●	●	●
6" x 18"	●	●	●	●	●	●	●	●	●	●	●	●
6" x 24"	●	●	●	●	●	●	●	●	●	●	●	●
12" x 12"	●	●	●	●	●	●	●	●	●	●	●	●
12" x 18"	●	●	●	●	●	●	●	●	●	●	●	●
12" x 24"	●	●	●	●	●	●	●	●	●	●	●	●
18" x 18"	●	●	●	●	●	●	●	●	●	●	●	●
18" x 24"	●	●	●	●	●	●	●	●	●	●	●	●
24" x 24"	●	●	●	●	●	●	●	●	●	●	●	●

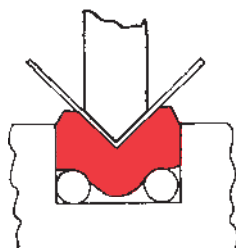
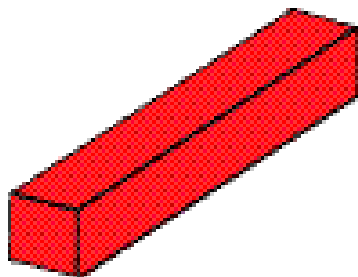
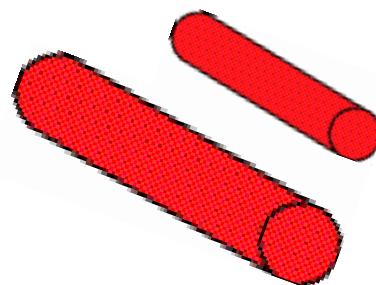
Call For A Quote
And Availability

POWERTHANE – PADS – RODS – BARS

Prices listed for standard 90-A durometer - widely used for most applications - tensile strength 5700 PSI – maximum deflection 30%.

Special sizes and durometers (60-A through 95-A) available.

Fax Tool-Free for Quote 1-877-866-5628



SOLID BARS

SIZE	THICKNESS			
	12"	24"	36"	48"
1" x 1"	●	●	●	●
1" x 2"	●	●	●	●
1" x 3"	●	●	●	●
1" x 4"	●	●	●	●
2" x 2"	●	●	●	●
2" x 3"	●	●	●	●
2" x 4"	●	●	●	●
2" x 6"	●	●	●	●
3" x 3"	●	●	●	●
3" x 4"	●	●	●	●
3" x 6"	●	●	●	●
4" x 4"	●	●	●	●
4" x 6"	●	●	●	●

ROUND SOLID RODS

DIAMETER	LENGTH	
	12 1/2"	25"
3/8"	●	●
1/2"	●	●
5/8"	●	●
3/4"	●	●
7/8"	●	●
1"	●	●
1 1/8"	●	●
1 1/4"	●	●
1 3/8"	●	●
1 1/2"	●	●
1 3/4"	●	●
2"	●	●
2 1/4"	●	●
2 1/2"	●	●
2 3/4"	●	●
3"	●	●
3 1/4"	●	●
3 1/2"	●	●
3 3/4"	●	●
4"	●	●
4 1/4"	●	●
4 1/2"	●	●
5"	●	●
5 1/2"	●	●
6"	●	●

PADS – RODS – BARS • 90-A durometer shipped unless otherwise specified

TOOL MATE CORP.

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TOOL MATE CORPORATION

POWERTHANE® XTRA™

URETHANE TUBES & DIE SPRINGS

XTRA STRENGTH ~ XTRA PRESSURE

POWERTHANE®

is formulated from a select group of elastomers and is designed to meet the demands of the Tool, Die & Metal forming industries.

Standard hardness, 95-A durometer, provides **xcellent** load bearing and cut, abrasion, tear and wear resistance.

Tensile is 6800 P.S.I.

Optimum deflection is 15%

Maximum deflection is 25%

Special sizes and durometers available, phone/fax for quote

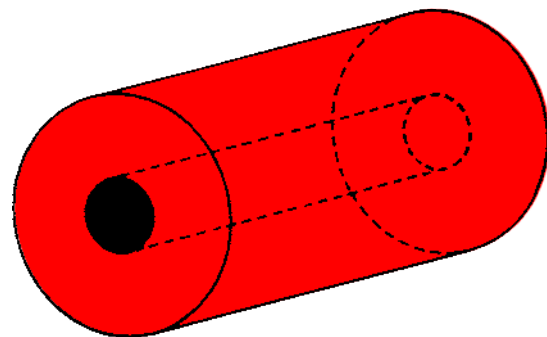
**WE SHIP 98%
SAME DAY FROM
STOCK**

**ISO 9002:1994
COMPLIANT**

BROCHURE X103

PART #	ID	OD	LENGTH	
XHUT 2512	1/4	1 1/4	25"	
XHUT 3113	5/16	1 3/8	25"	
XHUT 3712	3/8	1 1/4	25"	
XHUT 3715	3/8	1 1/2	25"	
XHUT 5015	1/2	1 1/2	25"	
XHUT 5017	1/2	1 3/4	25"	
XHUT 5020	1/2	2"	25"	
XHUT 6215	5/8	1 1/2	25"	
XHUT 6220	5/8	2"	25"	
XHUT 7520	3/4	2"	25"	
XHUT 7525	3/4	2 1/2	25"	
XHUT 8725	7/8	2 1/2	25"	
XHUT 8730	7/8	3"	25"	
XHUT 1030	1"	3"	25"	
XHUT 1035	1"	3 1/2	25"	

Prices listed are for standard hardness of 95 Shore A durometer.



**PADS, RODS, BARS
AVAILABLE**



TOOL MATE CORP.

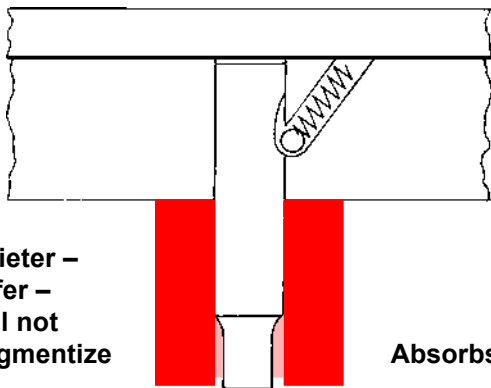
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METRIC

URETHANE PUNCH STRIPPERS DIE SPRINGS

POWERTHANE provides an excellent balance of load bearing and memory rate, with a tensile strength of 6800 P.S.I., deflections greater than 25% are not recommended, for optimum life in high speed continuous operations, a 15% deflection is suggested. Durometer hardness 95 Shore A.

*Powerthane I.D.'s are a wring fit for standard punches, dowels and stripper bolts.



Quieter –
Safer –
Will not
fragmentize

Absorbs shock

POWERTHANE'S pressures shown are as free standing when mounted wring fit pressures will be approximately 25% greater, each additional 3mm deflection increases pressure 60% up to maximum recommended deflections of 25%.

POWERTHANE deflects but does not compress, spacing consideration should allow for expansion equal to deflection.

CONVERSIONS:

MM to inch x .03937
Inch to MM x 25.4

Solid rods – Sheets – Squares and other tubular sizes available – Price on request.



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POWERTHANE'S ready to use lengths are available at standard price in ranges shown.

Part #	Standard Lengths	I.D.	O.D.
MP 5	30mm - 45mm	5mm	18mm
MP 5	46mm - 60mm		
MP 5	61mm - 75mm		
MPT 5	T635mm		
MP 6	30mm - 45mm	6mm	19mm
MP 6	46mm - 60mm		
MP 6	61mm - 75mm		
MPT 6	T635mm		
MP 8	30mm - 45mm	8mm	21mm
MP 8	46mm - 60mm		
MP 8	61mm - 75mm		
MPT 8	T635mm		
MP 10	30mm - 45mm	10mm	23mm
MP 10	46mm - 60mm		
MP 10	61mm - 75mm		
MPT 10	T635mm		
MP 13	30mm - 45mm	13mm	26mm
MP 13	46mm - 60mm		
MP 13	61mm - 75mm		
MPT 13	T635mm		
MP 16	30mm - 45mm	16mm	30mm
MP 16	46mm - 60mm		
MP 16	61mm - 75mm		
MPT 16	T635mm		
MP 20	30mm - 45mm	20mm	38mm
MP 20	46mm - 60mm		
MP 20	61mm - 75mm		
MPT 20	T635mm		
MP 25	30mm - 45mm	25mm	50mm
MP 25	46mm - 60mm		
MP 25	61mm - 75mm		
MPT 25	T635mm		
MP 32	30mm - 45mm	32mm	60mm
MP 32	46mm - 60mm		
MP 32	61mm - 75mm		
MPT 32	T635mm		
MP 38	30mm - 45mm	38mm	60mm
MP 38	46mm - 60mm		
MP 38	61mm - 75mm		
MPT 38	T635mm		

Prices listed are for standard hardness of 95 Shore A durometer.

When ordering specify: Quantity Part # Length
6 MP 10 x 38mm

TERMS: Net 30 Days
F.O.B. Shipping Point
Minimum Order \$15.00
Brochure M103



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