

# K.O.LEE

## EXPANDING MANDRELS MILLING - GRINDING - TURNING



**K.O.LEE's Expanding Mandrels** are a time-tested tool for grinding, turning and milling operations. Used in production lines, tool rooms and home work shops, these mandrels will hold work from thin sleeves and bushings to heavy casting and forgings. **K.O.LEE's** mandrels are sized to fit 3/8 to 5-1/2 inch (9.5 to 139.7mm) holes.

There is a **K.O.LEE** expanding mandrel set for every shop. Any mandrel may be purchased separately for production operations. A full set of **K.O.LEE** expanding mandrels will eliminate making and stocking straight arbors for every job.

### FEATURES

**A Large Bearing Surface** on all sleeves provides a positive grip on heavy jobs... prevents slip and chatter and holds thin sleeves and bushings without distortion. Work can be held in any position on sleeve and may overhang on either or both ends for facing operations.

**Precision Ground** arbors and sleeves provide accuracy of .001 inch (.025mm) or better. Large bearing surfaces minimize wear.

**Auxiliary Centers** are a K.O.LEE feature, providing a large bearing surface and oil reservoir. The auxiliary centers also prevent damage to arbor center, prolong arbor life and are inexpensive to replace. Available at extra cost.



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# EXPANDING MANDRELS

## MILLING - GRINDING - TURNING

### SPECIFICATIONS

	Complete Mandrels			Arbors Only			Sleeves Only		
	Part Number	Range Inch	Range Millimeter	Part Number	Length Inch	Length Millimeter	Part Number	Length Inch	Length Millimeter
GENERAL PURPOSE	KM0	3/8" to 1/2"	9.53 to 12.7mm	KM0A	4-1/2"	114.3mm	KM0S	1-1/4"	31.75mm
	KM1	1/2" to 11/16"	12.7 to 17.46mm	KM1A	5-3/4"	146.05mm	KM1S	1-1/2"	38.1mm
	KM2	11/16" to 1"	17.46 to 25.4mm	KM2A	9-1/4"	234.95mm	KM2S	2-1/2"	63.5mm
	KM3	1" to 1-9/16"	25.4 to 39.68mm	KM3A	12-1/4"	311.15mm	KM3S	3"	76.2mm
	KM4	1-9/16" to 2-1/2"	39.68 to 63.5mm	KM4A	16-3/4"	425.45mm	KM4S	4-1/4"	107.95mm
	KM25	11/16" to 27/32"	17.46 to 21.43mm	KM25A	8-1/4"	209.55mm	KM25S	2-1/4"	57.15mm
HEAVY DUTY	KM26	27/32" to 1"	21.43 to 25.4mm	KM26A	8-1/4"	209.55mm	KM26S	2-1/2"	63.5mm
	KM35	1" to 1-9/32"	25.4 to 32.53mm	KM35A	12-1/4"	311.15mm	KM35S	3-1/4"	82.55mm
	KM36	1-9/32" to 1-9/16"	32.53 to 39.69mm	KM36A	12-1/4"	311.15mm	KM36S	3-1/4"	82.55mm
	KM45	1-9/16" to 2-1/32"	39.69 to 51.58mm	KM45A	15-1/2"	393.7mm	KM45S	4-1/4"	107.95mm
	KM46	2-1/32" to 2-1/2"	51.58 to 63.5mm	KM46A	15-1/2"	393.7mm	KM46S	4-1/4"	107.95mm
	KM5B	2-1/2" to 3-1/4"	63.5 to 82.55mm	KM5A	17-3/4"	450.85mm	KM5S	7"	177.8mm
	KM5C	3-1/4" to 4"	82.55 to 101.6mm	KM5-6A	18"	457.2mm	KM5S	7"	177.8mm
	KM55	3-1/4" to 4-3/4"	82.55 to 120.65mm	KM5-6A	18"	457.2mm	KM5S	7"	177.8mm
							KM6S	7"	177.8mm
	KM6B	4" to 4-3/4"	101.6 to 120.65mm	KM5-6A	18"	457.2mm	KM6S	7"	177.8mm
	KM6C	4-3/4" to 5-1/2"	120.65 to 139.7mm	KM6A	18-1/4"	463.55mm	KM6S	7"	177.8mm
	KM5	2-1/2" to 4"	63.5 to 101.6mm	KM5A	17-3/4"	450.85mm	KM5S	7"	177.8mm
				KM5-6A	18"	457.2mm			
	KM6	4" to 5-1/2"	101.6 to 139.7mm	KM5-6A	18"	457.2mm	KM6S	7"	177.8mm
			KM6A	18-1/4"	463.55mm				
KM7	2-1/2" to 5-1/2"	63.5 to 139.7mm	KM5A	17-3/4"	450.85mm	KM5S	7"	177.8mm	
			KM5-6A	18"	457.2mm	KM6S	7"	177.8mm	
			KM6A	18-1/4"	463.55mm				

\*KM6S is a clamp for compressing sleeve KM6S and is standard on any mandrel that includes a KM6S sleeve. Complete mandrel consists of arbor and sleeve only, as M0 includes MOA & MOS.  
**CAUTION:** If an auxiliary center sticks on the arbor, use a wrench to loosen it. Do not hammer it loose. Oiling the hole of the auxiliary will help alleviate this difficulty.  
 Specifications are subject to change without prior notice and were correct at time of print.

