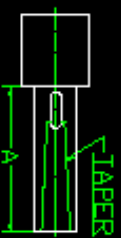


LIGHT DUTY SPINDLE OPTIONS



BORE	A	L
.625	3.00	2.63
.750	3.38	2.63
.875	4.19	3.25



MORSE TAPER

A	TAPER
2.62	#0
3.00	#1



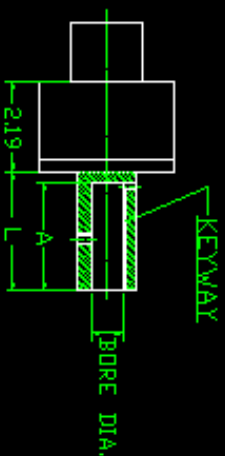
FOR LARGER BLANK ENDS SEE HEAVY DUTY SPINDLE NOSES



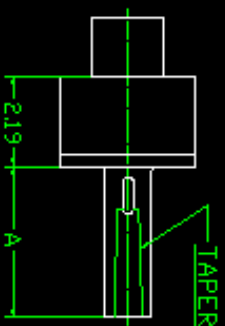
ER-11 INTEGRAL COLLET NOSE

ALSO OTHER CUSTOM SPINDLES AVAILABLE PER REQUEST

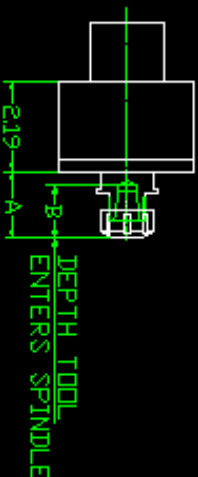
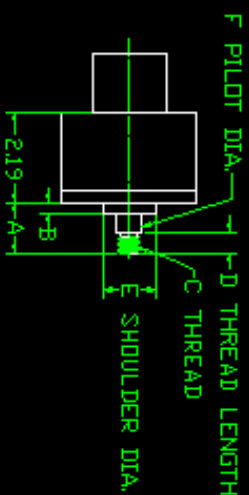
HEAVY DUTY SPINDLE OPTIONS



BORE	A	L	KEYWAY
.750	2.63	2.99	5/32
.875	3.38	3.50	3/16
1.06	3.25	3.69	3/16
1.375	4.25	4.56	1/4



A	TAPER
3.63	#2
4.50	#3
5.31	#4
6.50	#5



ALSO OTHER CUSTOM SPINDLES AVAILABLE PER REQUEST

COLLET	A	B	COLLET CAPACITY
ER-16	1.59	1.28	1/32" TO 3/8"
ER-25	1.66	1.61	3/64" TO 5/8"
ER-32	2.44	1.84	5/64" TO 25/32"
ER-40	2.94	2.09	1/8" TO 1"