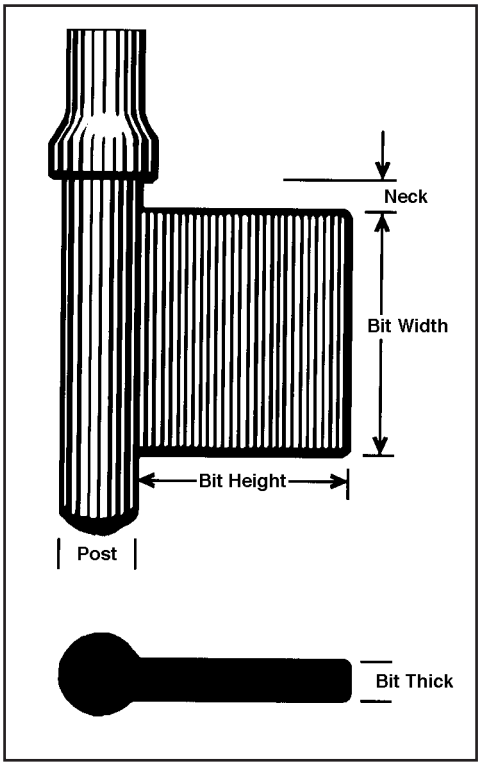
Section 7

BIT AND BARREL

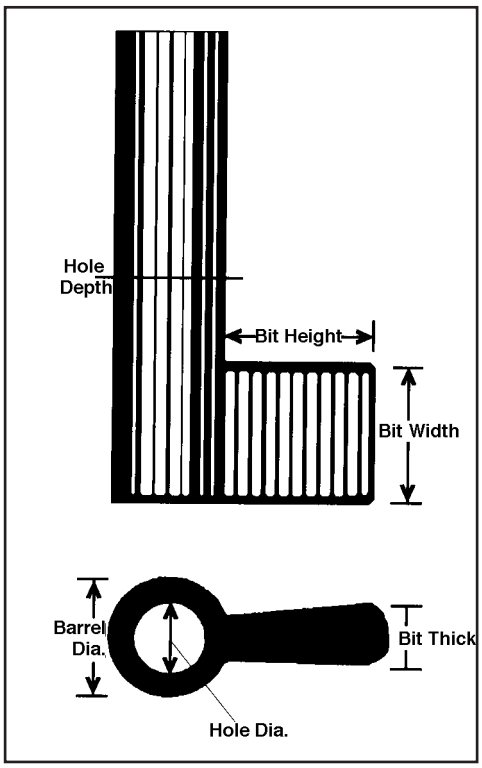
Keys are separated by type - bit or barrel and are in number sequence

Some keys in this section are marked “DISCONTINUED”, however they may still be available from Ilco distributors. We have left these in this directory for your reference.

DETERMINING SPECIFICATIONS ON BIT KEYS



Dimensions of a Bit Key



Dimensions of a Barrel Key

The following pages show our selection of Bit and Barrel Key Blanks. This page will help you identify the key blank you are looking for.

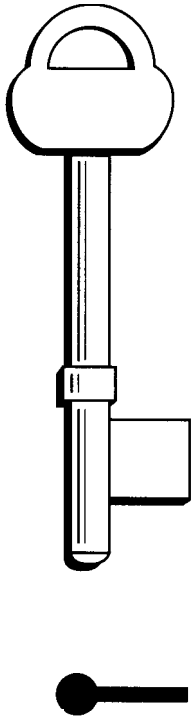
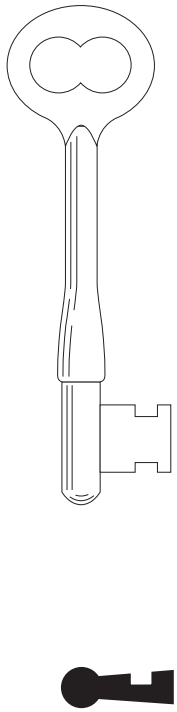
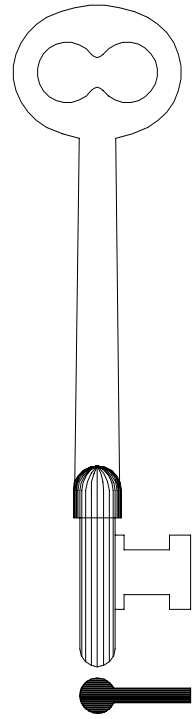
- The chart below lists various types of materials used in Bit and Barrel key blanks.
- Measurements below each key drawing are shown in hundredths of an inch and tenths of a millimeter. Please understand that these styles of key blanks are not made to the same tolerances of cylinder key blanks by the nature of the processes utilized. If the dimensions are close they will more than likely work.

Diagrams (left) show how the bit and barrel keys are measured so you can understand what to measure for comparison.

Materials Used

MI -	malleable iron
Steel/Plastic -	a nickel plated steel shaft with a plastic tip
Steel/Zinc -	a nickel plated steel shaft with a die cast zinc tip
Brass -	a brass die cast key blank
Prec. Cast -	a precision zinc die cast key blank

BIT KEYS

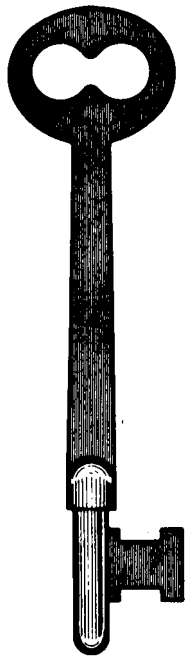
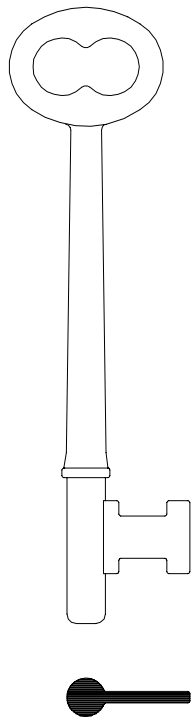
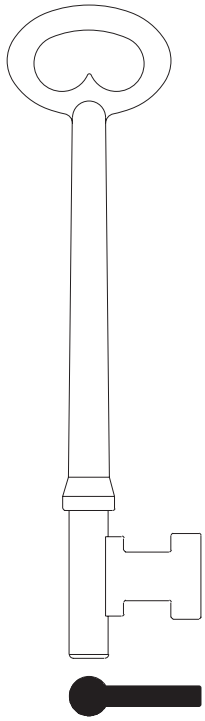
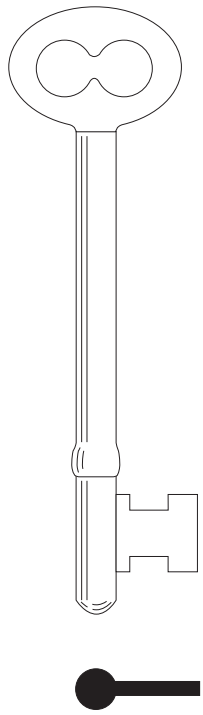
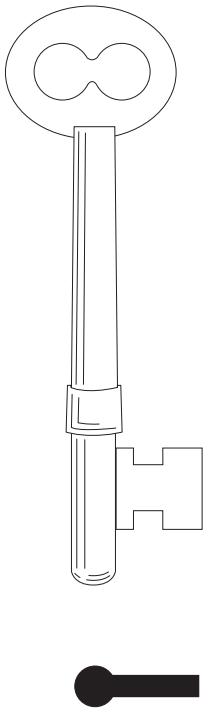




	P8	P9
	MI	MI
	.20 (5.1mm)	.20 (5.1mm)
	.10 (2.5mm)	.10 (2.5mm)
	.37 (9.3mm)	.37 (9.3mm)
	.37 (9.3mm)	.37 (9.3mm)
	.14 (3.6mm)	.14 (3.6mm)

	P6	P7
	MI	MI
	.20 (5.1mm)	.20 (5.1mm)
	.10 (2.5mm)	.10 (2.5mm)
	.37 (9.3mm)	.37 (9.3mm)
	.37 (9.3mm)	.37 (9.3mm)
	.14 (3.6mm)	.14 (3.6mm)

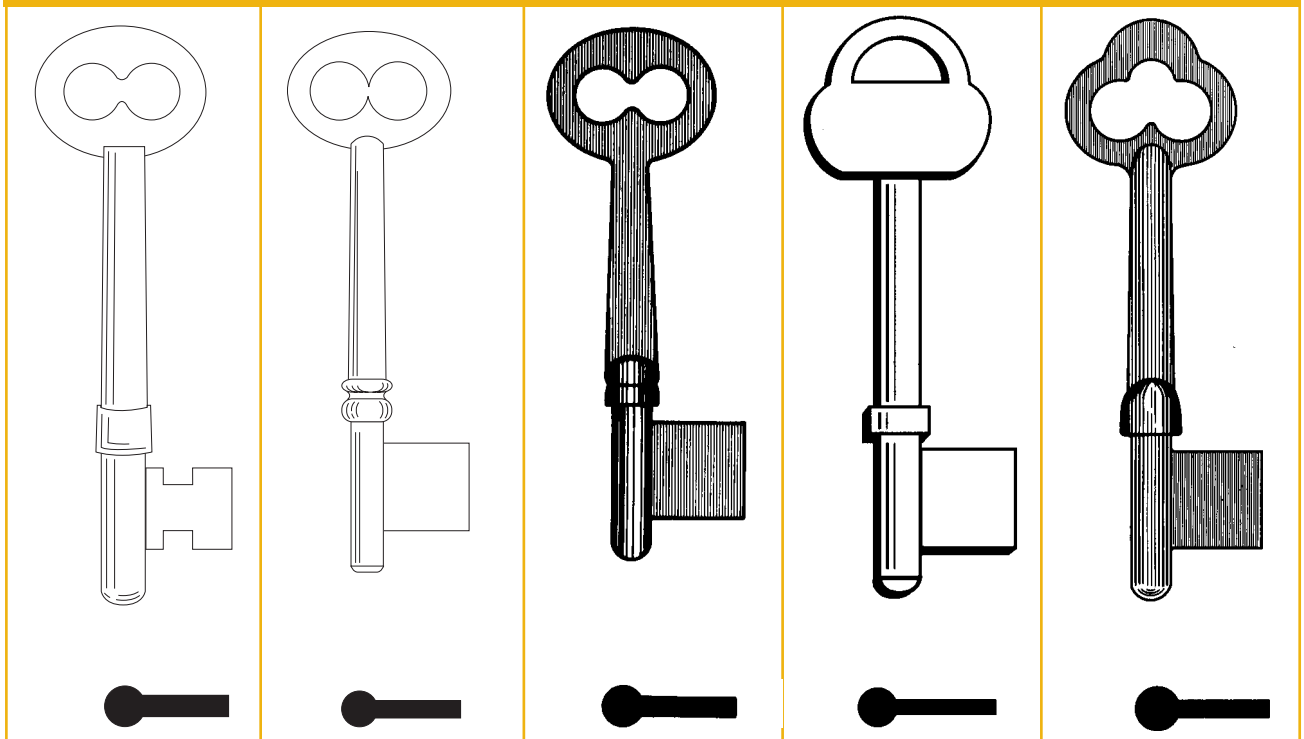
ILCO	1B	P1	P2	P5	2B
Material	MI	MI	MI	MI	STEEL/PLASTIC
Post	.22" (5.6mm)	.20 (5.1mm)	.20 (5.1mm)	.20 (5.1mm)	.16" (4.1mm)
Neck	.11" (2.8mm)	.10 (2.5mm)	.10 (2.5mm)	.10 (2.5mm)	.09" (2.3mm)
Bit Height	.46" (11.7mm)	.37 (9.3mm)	.37 (9.3mm)	.37 (9.3mm)	.39" (9.9mm)
Bit Width	.44" (11.2mm)	.37 (9.3mm)	.37 (9.3mm)	.37 (9.3mm)	.39" (9.9mm)
Bit Thick	.08" (2.0mm)	.14(3.6mm)	.14 (3.6mm)	.14 (3.6mm)	.08" (2.0mm)

BIT KEYS

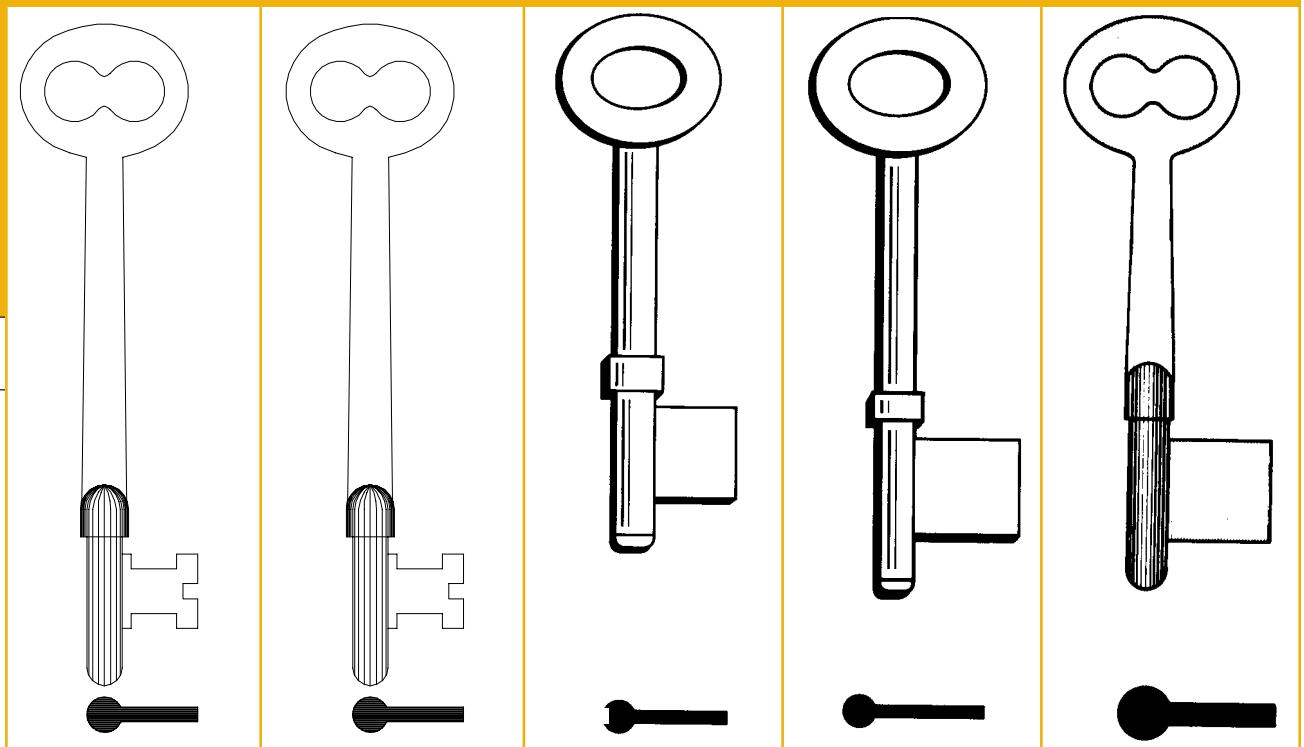
ILCO	B2M	3B	C3AM	C3M	D3
Material	STEEL/ZINC	MI	MI	PRECISION CAST	PRECISION CAST
Post	.19" (4.8mm)	.20" (5.1mm)	.21 (5.3mm)	.20 (5.1mm)	.20 (5.1mm)
Neck	.09" (2.3mm)	.12" (3.0mm)	.13 (3.3mm)	.13 (3.3mm)	.09 (2.3mm)
Bit Height	.39" (9.9mm)	.44" (11.2mm)	.47 (12mm)	.44 (11.2mm)	.44 (11.2mm)
Bit Width	.39" (9.9mm)	.38" (9.7mm)	.44 (11.2mm)	.38 (9.7mm)	.42 (10.7mm)
Bit Thick	.08" (2.0mm)	.06" (1.5mm)	.10 (2.5mm)	.06 (11.5mm)	.10 (2.5mm)

BIT KEYS



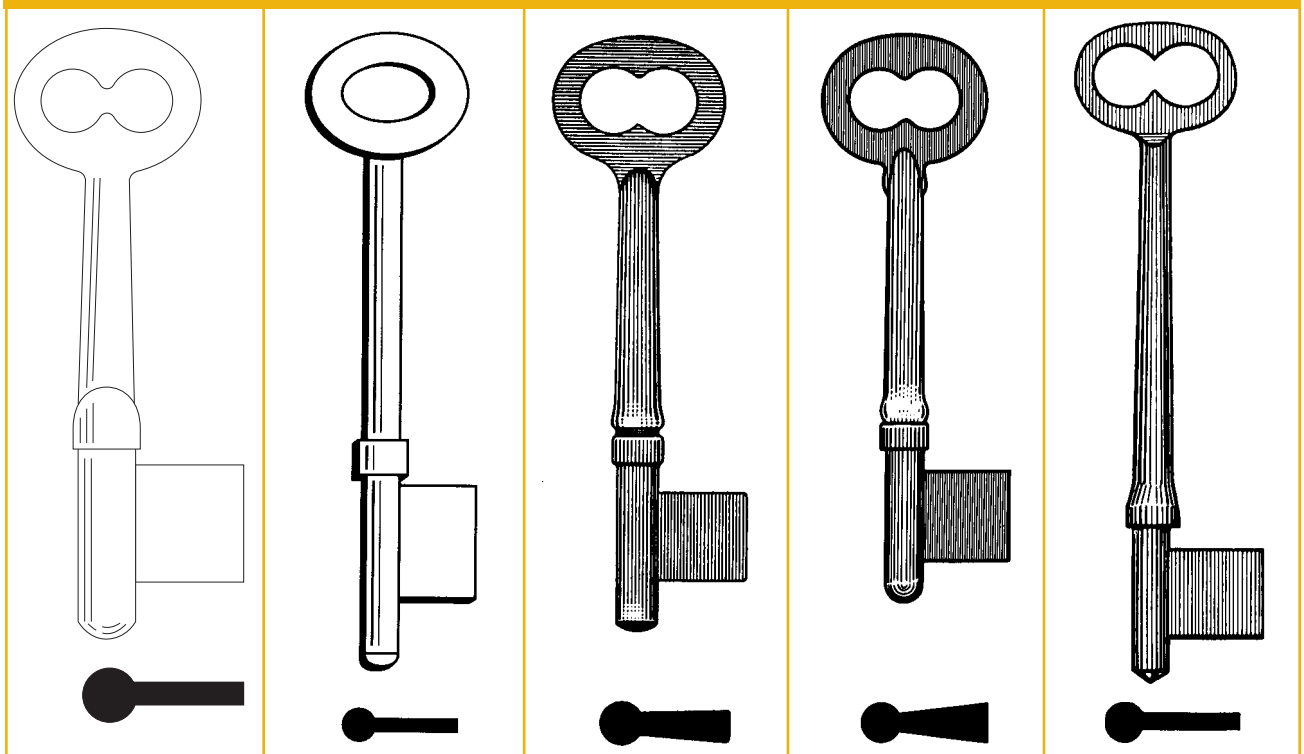
	D4	5B	B5A	6B	B6
ILCO Material	PRECISION CAST	MI	STEEL/ZINC	MI	STEEL/ZINC
Post	.20 (5.1mm)	.20" (5.1mm)	.21" (5.3mm)	.21" (5.3mm)	.20" (5.1mm)
Neck	.09 (2.3mm)	.09" (2.3mm)	.10" (2.5mm)	.09" (2.3mm)	.09" (2.3mm)
Bit Height	.43 (11mm)	.44" (11.2mm)	.50" (12.7mm)	.50" (12.7mm)	.47" (11.9mm)
Bit Width	.42 (10.7mm)	.50" (12.7mm)	.50" (12.7mm)	.50" (12.7mm)	.49" (12.4mm)
Bit Thick	.10 (2.5mm)	.09" (2.3mm)	.10" (2.5mm)	.08" (2.0mm)	.08" (2.0mm)

BIT KEYS



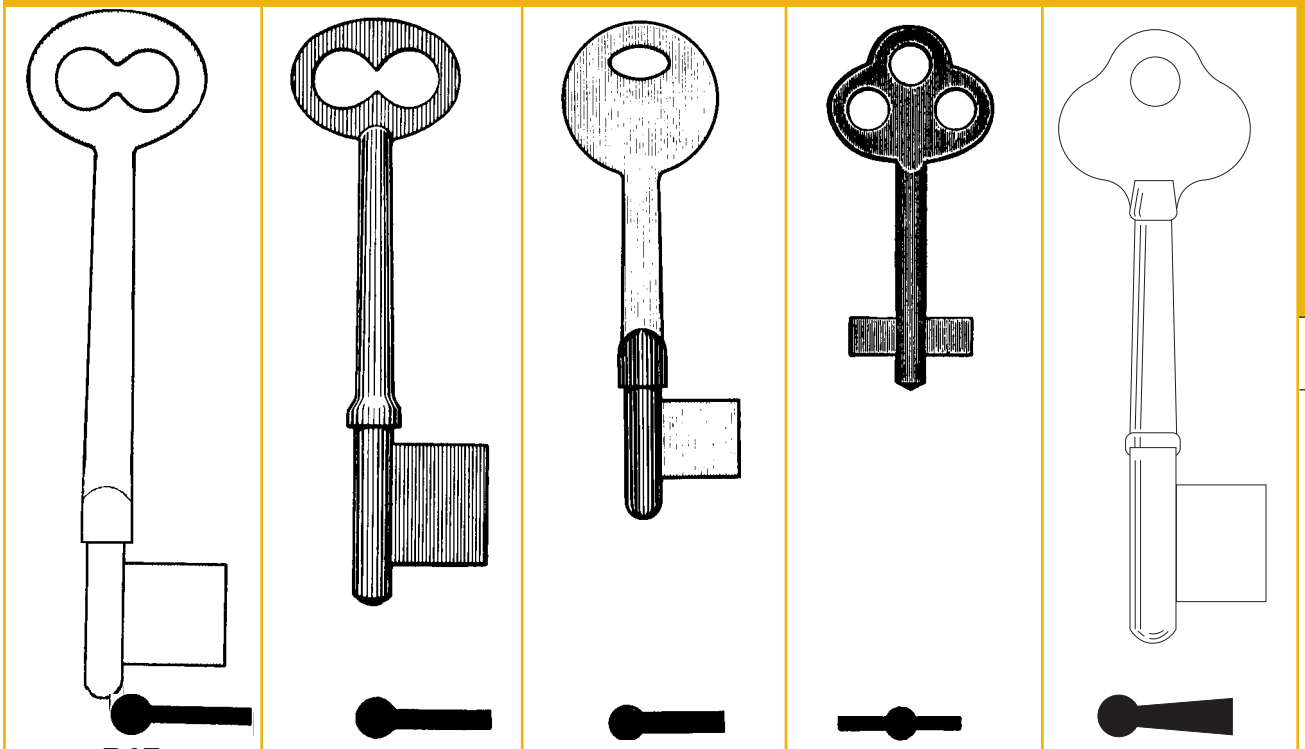
	7B	B7M	8B	9B	B9
ILCO Material	STEEL/PLASTIC	STEEL/ZINC	MI	MI	STEEL/ZINC
Post	.20" (5.1mm)	.20" (5.1mm)	.19" (4.8mm)	.18" (4.6mm)	.21" (5.3mm)
Neck	.10" (2.5mm)	.10" (2.5mm)	.08" (2.0mm)	.09" (2.3mm)	.09" (2.3mm)
Bit Height	.41" (10.4mm)	.41" (10.4mm)	.50" (12.7mm)	.53" (13.5mm)	.50" (12.7mm)
Bit Width	.39" (9.9mm)	.39" (9.9mm)	.45" (11.4mm)	.49" (12.4mm)	.49" (12.4mm)
Bit Thick	.08" (2.0mm)	.08" (2.0mm)	.08" (2.0mm)	.07" (1.8mm)	.09" (2.3mm)

BIT KEYS



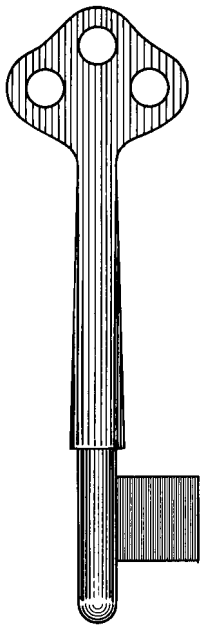
ILCO	B11M	12B	14B	14CM	17B
Material	BI-METALLIC	MI	MI	MI	MI
Post	.25 (6.4mm)	.19" (4.8mm)	.22" (5.6mm)	.19" (4.8mm)	.19" (4.8mm)
Neck	.08 (2.0mm)	.07" (1.8mm)	.15" (3.8mm)	.13" (3.3mm)	.09" (2.8mm)
Bit Height	.50 (12.7mm)	.45" (11.4mm)	.46" (11.7mm)	.44" (11.2mm)	.50" (12.7mm)
Bit Width	.56 (14.2mm)	.66" (16.8mm)	.48" (12.2mm)	.45" (11.4mm)	.50" (12.7mm)
Bit Thick	.11 (2.8mm)	.08" (2.0mm)	.16" (4.1mm)	.16" (4.1mm)	.08" (2.0mm)

BIT KEYS



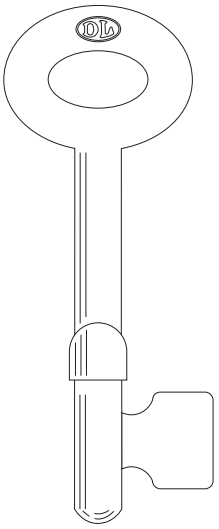
ILCO	B17	19B	B20	25B	28AM
Material	STEEL/ZINC	MI	STEEL/ZINC	MI	MI
Post	.19" (4.8mm)	.19" (4.8mm)	.17" (4.3mm)	.17" (4.3mm)	.23" (4.8mm)
Neck	.10" (2.5mm)	.07" (1.8mm)	.08" (2.0mm)	—	.08" (2.0mm)
Bit Height	.50" (12.7mm)	.50" (12.7mm)	.40" (10.2mm)	.69" overall (17.5mm)	.47" (11.9mm)
Bit Width	.50" (12.7mm)	.62" (15.7mm)	.47" (11.9mm)	.22" (5.6mm)	.63" (16mm)
Bit Thick	.08" (2.0mm)	.09" (2.3mm)	.10" (2.5mm)	.08" (2.0mm)	.16" (4.1mm)

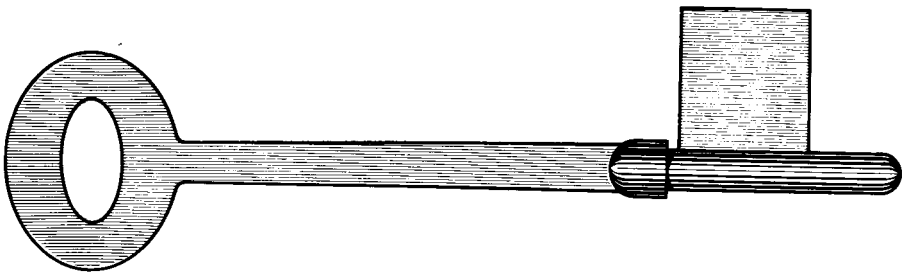
BIT KEYS



28BM	37 MASTER	B40A	B41A	B41B	ILCO
MI	MI	BI-METALLIC	BI-METALLIC	BI-METALLIC	Material
.20 (5.1mm)	.20" (5.1mm)	.22 (5mm)	.20 (5.1mm)	.19 (4.8mm)	Post
.12 (3 mm)	.13" (3.3mm)	.11 (2.8mm)	.08 (2mm)	.08 (2mm)	Neck
.40 (10.2mm)	.34" (11.2mm)	.45 (11.4mm)	.50 (12.7mm)	.45 (11.4mm)	Bit Height
.41 (10.4mm)	.37" (11.9mm)	.43 (10.9mm)	.59 (15mm)	.45 (11.4mm)	Bit Width
.10 (2.5mm)	.09" (2.3mm)	.10 (2.5mm)	.09 (2.3mm)	.09 (2.3mm)	Bit Thick

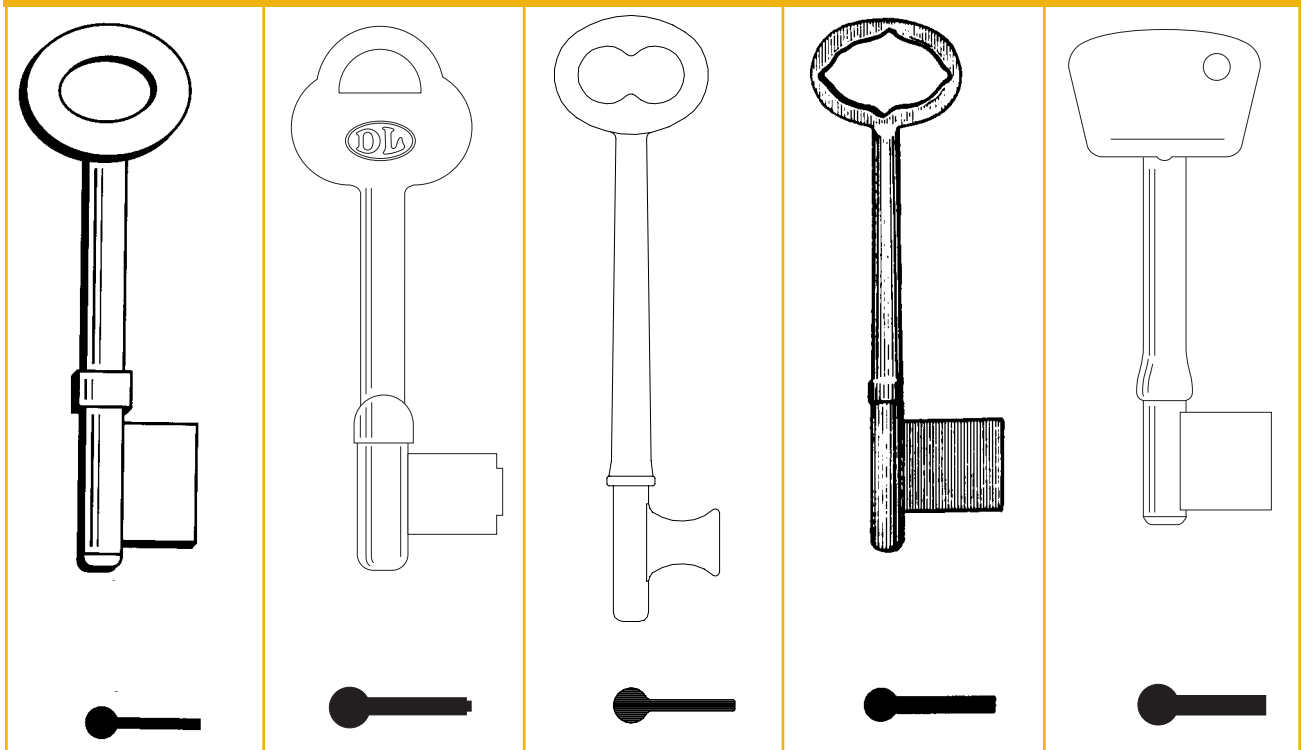
BIT KEYS





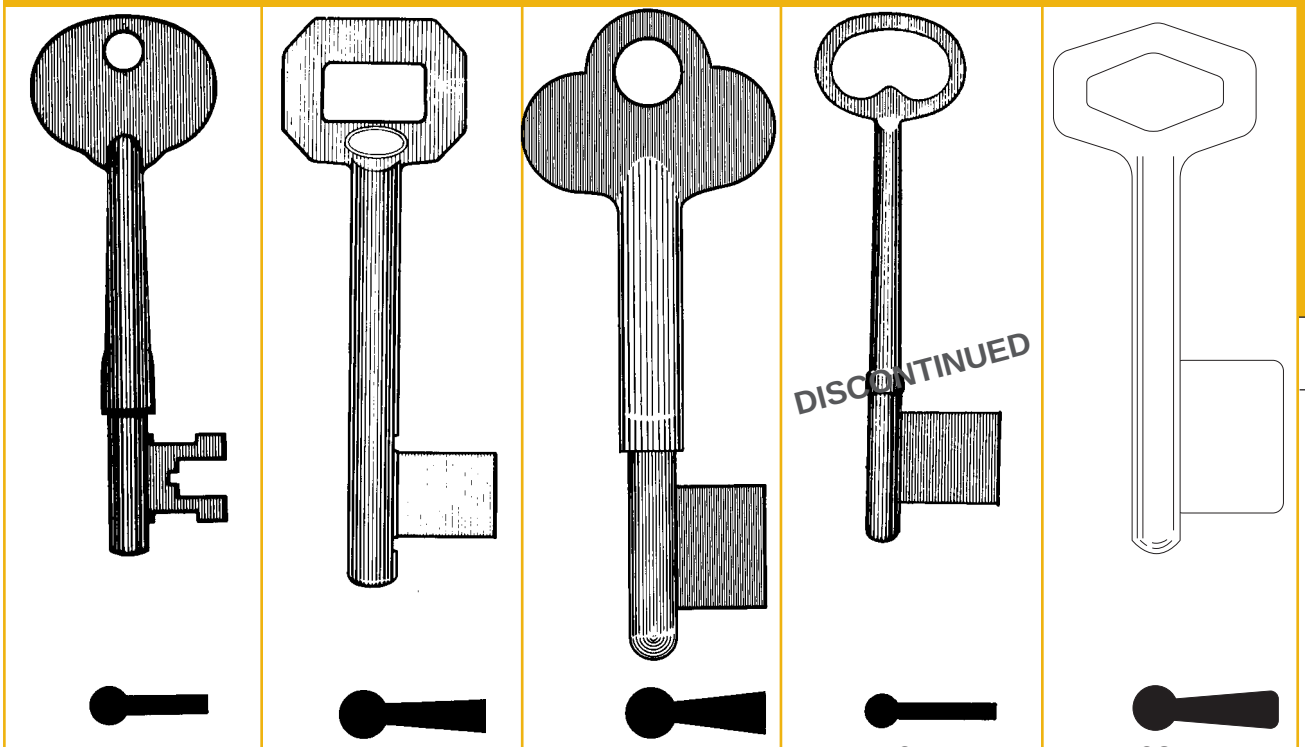
B41C	B44M	ILCO
BI-METALLIC	STEEL/ZINC	Material
..22	.19" (4.8mm)	Post
.06	.05" (1.3mm)	Neck
.45	.71" (18.0mm)	Bit Height
.45	.63" (16.0mm)	Bit Width
.11	.09" (2.3mm)	Bit Thick

BIT KEYS



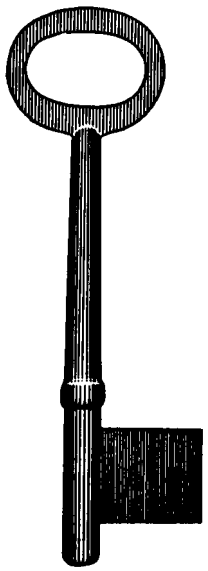
ILCO	45B	B45M	49B	51B	52B
Material	MI	BI-METALLIC	MI	BRASS	BRASS
Post	.18" (4.6mm)	.20 (5mm)	.18" (4.6mm)	.23 (5.8mm)	.20 (5mm)
Neck	.09" (2.3mm)	.11 (2.8mm)	.12" (3.0mm)	—	.08 (2mm)
Bit Height	.43" (10.9mm)	.51 (13mm)	.37" (9.4mm)	.56 (14.2mm)	.34 (8.6mm)
Bit Width	.62" (15.7mm)	.39 (9.9mm)	.35" (8.9mm)	.87 (22.1mm)	.60 (15.2mm)
Bit Thick	.06" (1.5mm)	.09 (2.3mm)	.06" (1.5mm)	.14 (3.6mm)	.11 (2.8mm)

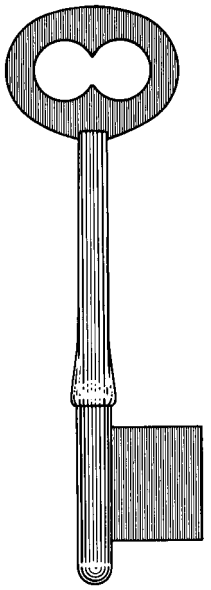
BIT KEYS

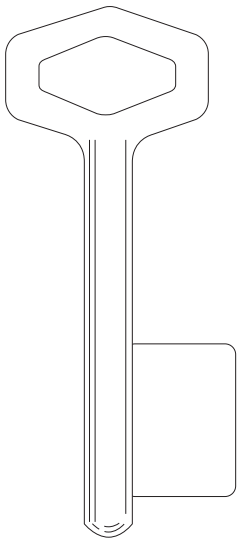


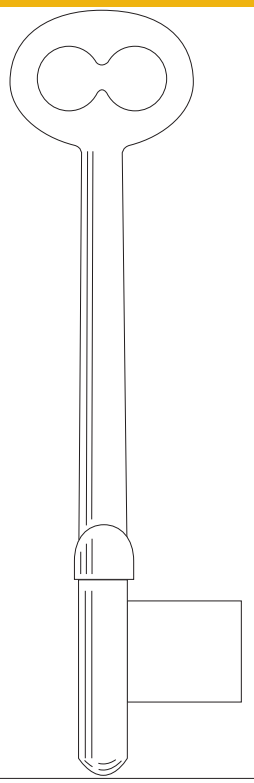
ILCO	53 MASTER	C53	54M	56B	62B
Material	MI	PRECISION CAST	MI	MI	BRASS
Post	.19" (4.8mm)	.24" (6.1mm)	.24" (6.1mm)	.19" (4.8mm)	.24 (6.1mm)
Neck	.13" (3.3mm)	—	.16" (4.1mm)	.07" (1.8mm)	—
Bit Height	.43" (10.9mm)	.48" (12.2mm)	.44" (11.2mm)	.50" (12.7mm)	.63 (16.0mm)
Bit Width	.46" (11.7mm)	.38" (9.7mm)	.63" (16.0mm)	.47" (11.9mm)	.79 (20.0mm)
Bit Thick	.09" (2.3mm)	.17" (4.3mm)	.14" (3.6mm)	.08" (2.0mm)	.16 (4.1mm)

BIT KEYS



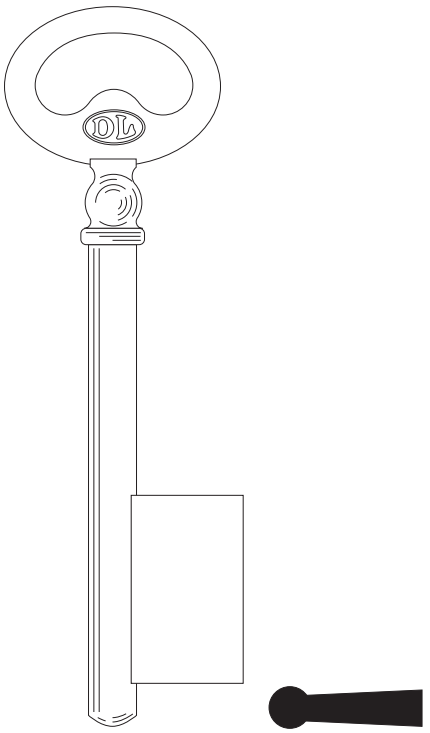


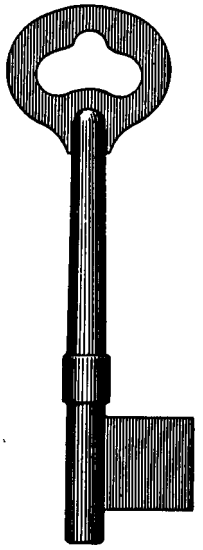


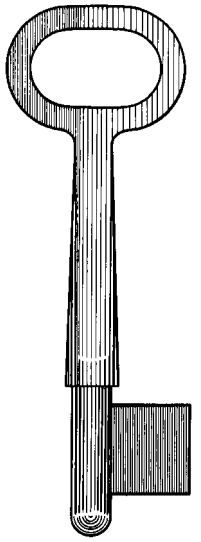


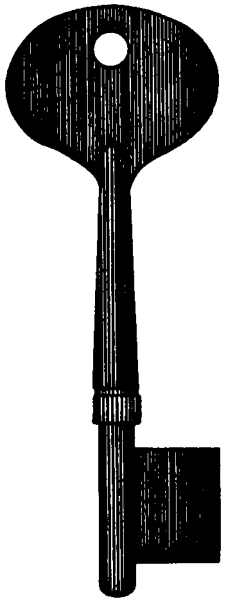
	66B	68M	69B	B70
ILCO Material	MI	MI	BRASS	MI
Post	.20" (5.1mm)	.19" (4.8mm)	.26 (6.6mm)	.19 (4.8mm)
Neck	.06" (2.5mm)	.10" (3.3mm)	—	.12 (3.0mm)
Bit Height	.53" (14.0mm)	.47" (11.9mm)	.52 (13.2mm)	.50 (12.7mm)
Bit Width	.50" (12.7mm)	.53" (13.5mm)	.82 (20.8mm)	.52 (13.2mm)
Bit Thick	.09" (2.0mm)	.08" (2.0mm)	.14 (3.6mm)	.09 (2.0mm)

BIT KEYS



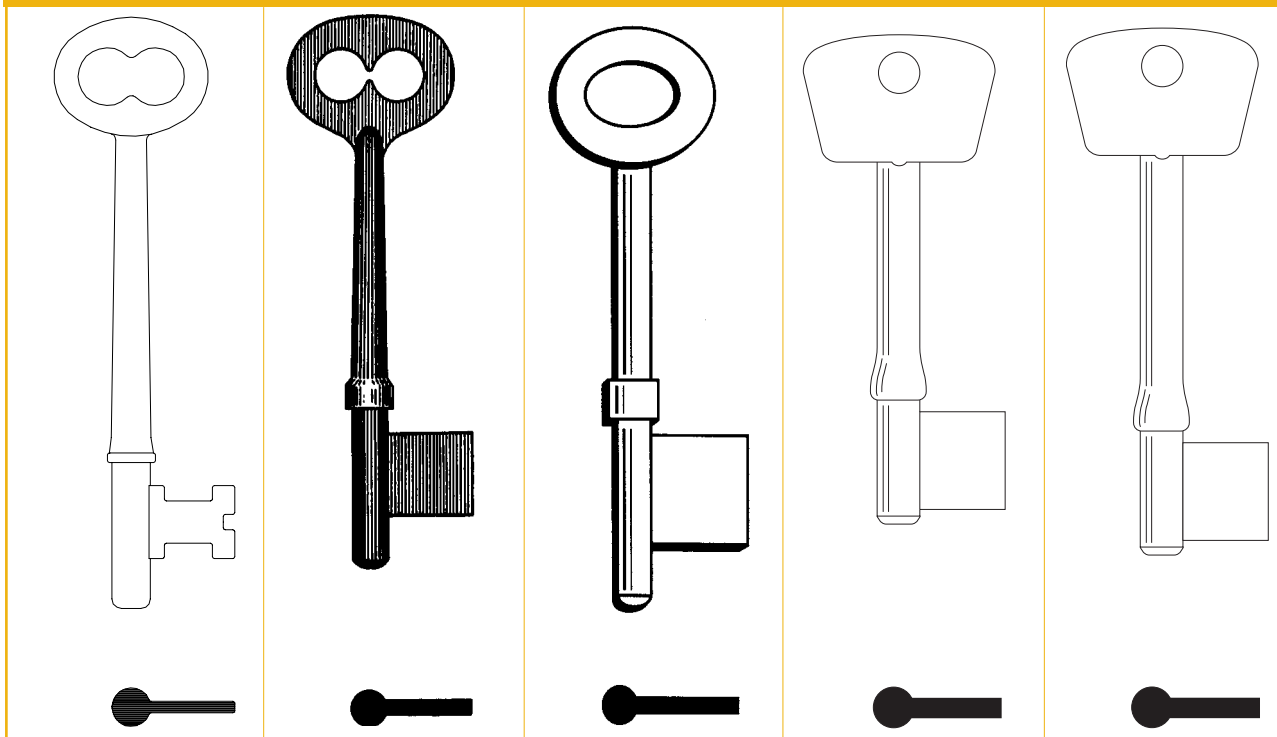






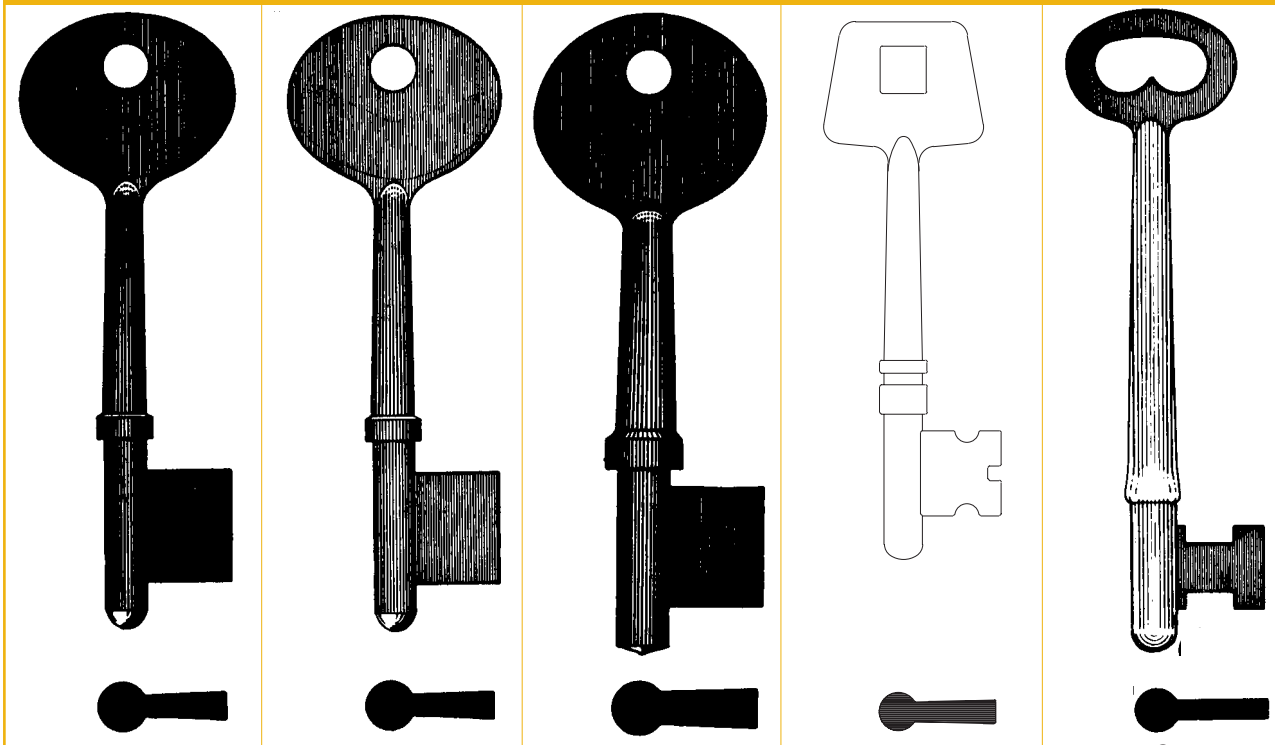
	C70	71B	73M	78B
ILCO Material	PRECISION CAST	MI	MI	MI
Post	.24 (6.1mm)	.20" (5.1mm)	.19" (5.1mm)	.18" (4.8mm)
Neck	.98 (24.9mm)	.10" (2.5mm)	.08" (2.3mm)	.15 (3.6mm)
Bit Height	.55 (14.0mm)	.44" (11.2mm)	.41" (10.2mm)	.46" (11.2mm)
Bit Width	.18 (4.8mm)	.46" (11.7mm)	.44" (11.2mm)	.68" (17.3mm)
Bit Thick	.17 (4.3mm)	.06" (1.5mm)	.08" (2.0mm)	.17" (4.3mm)

BIT KEYS



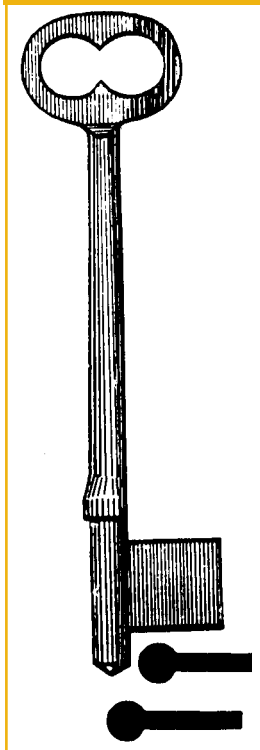
ILCO	79B	90B	91B	C110	C112
Material	MI	MI	MI	PRECISION CAST	PRECISION CASE
Post	.21" (5.3mm)	.18" (4.6mm)	.20" (5.1mm)	.22 (5.6mm)	.21 (5.3mm)
Neck	.12" (3.0mm)	.08" (2.3mm)	.09" (2.3mm)	.52 (13.2mm)	.08 (2.3mm)
Bit Height	.44" (11.2mm)	.53" (11.4mm)	.53" (13.5mm)	.45 (11.4mm)	.36 (9.1mm)
Bit Width	.37" (9.4mm)	.50" (12.7mm)	.57" (14.5mm)	.09 (2.3mm)	.59 (15.0mm)
Bit Thick	.07" (1.8mm)	.09" (2.3mm)	.09" (2.3mm)	.10 (2.5mm)	.13 (3.3mm)

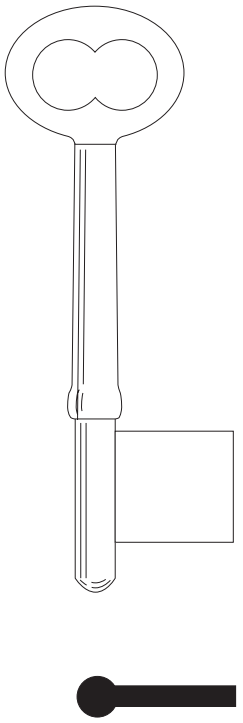
BIT KEYS

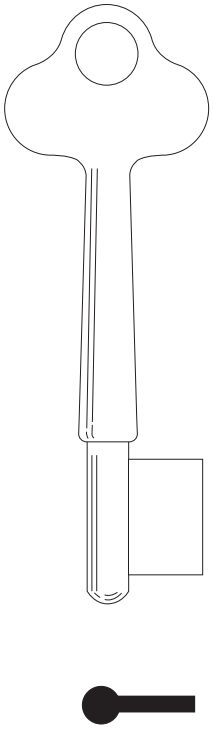


ILCO	136SB	163SB	178SB	401N-2	504
Material	MI	MI	MI	MI	MI
Post	.24" (6.4mm)	.18" (4.8mm)	.26" (6.6mm)	.20 (5.0mm)	.22" (5.6mm)
Neck	.12" (3.0mm)	.13" (3.0mm)	.09" (2.3mm)	.09 (2.3mm)	.12" (3.0mm)
Bit Height	.44" (11.2mm)	.49" (12.2mm)	.54" (13.7mm)	.41 (10.4mm)	.48" (12.2mm)
Bit Width	.61" (15.5mm)	.52" (12.9mm)	.69" (17.5mm)	.45 (11.4mm)	.45" (11.4mm)
Bit Thick	.16" (4.1mm)	.16" (3.8mm)	.20" (5.0mm)	.12 (3.0mm)	.11" (2.8mm)

BIT KEYS





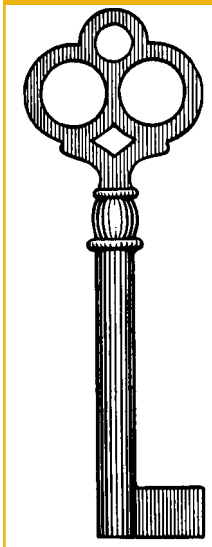
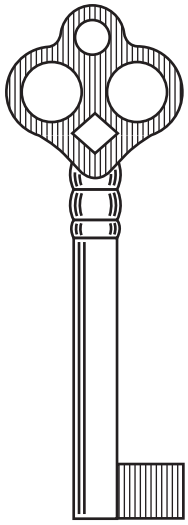
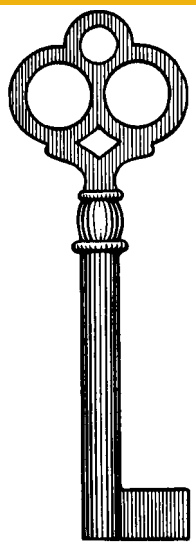
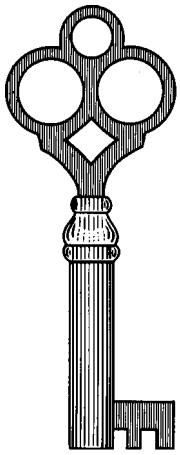
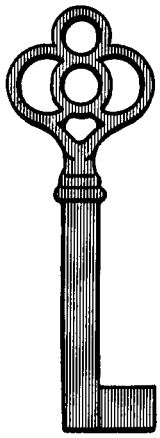


	506	524	569		
ILCO					
Material	MI	MI	MI		
Post	.16" (4.1mm)	.22 (5.6mm)	.19 (4.8mm)		
Neck	.12" (3.0mm)	.09 (2.3mm)	.10 (2.5mm)		
Bit Height	.45" (11.4mm)	.63 (16.0mm)	.41 10.4mm()		
Bit Width	.62" (15.7mm)	.56 (14.2mm)	.60 (15.2mm)		
Bit Thick	.06" (1.5mm	.09 (2.3mm)	.90 (22.9mm)		

BIT KEYS

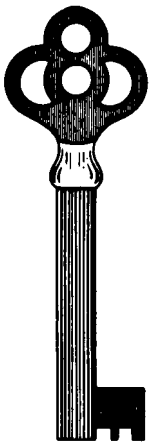
ILCO				
Material				
Post				
Neck				
Bit Height				
Bit Width				
Bit Thick				

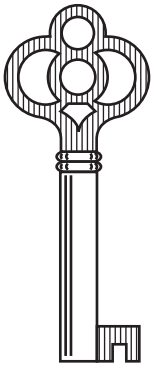
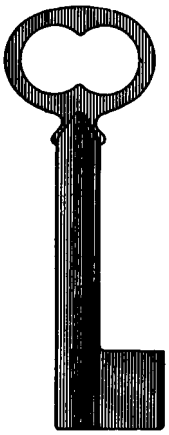
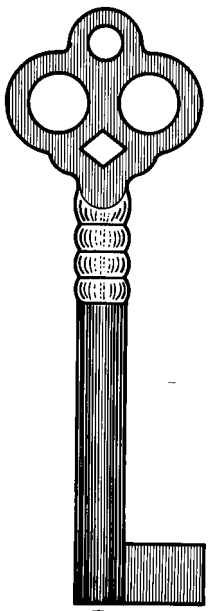
BARREL KEYS

ILCO	21B	C21M	22BB	22M	23B
Material	MI	PRECISION CAST	MI	MI	MI
Barrel Dia.	.21” (5.3mm)	.22” (5.6mm)	.24” (6.1mm)	.21” (5.3mm)	.21” (5.3mm)
Hole Dia.	.14” (3.6mm)	.34” (8.6mm)	.15” (3.8mm)	.14” (3.6mm)	.14” (3.6mm)
Hole Depth	.68” (17.3mm)	.27” (6.9mm)	.80” (20.3mm)	.50” (12.7mm)	.50” (12.7mm)
Bit Height	.38” (9.7mm)	.11” (2.8mm)	.34” (8.6mm)	.28” (7.1mm)	.28” (7.1mm)
Bit Width	.29” (7.4mm)	.13” (3.3mm)	.27” (6.9mm)	.24” (6.1mm)	.24” (6.1mm)
Bit Thick	.11” (2.8mm)	.65” (16.5mm)	.11” (2.8mm)	.09” (2.3mm)	.09” (2.3mm)

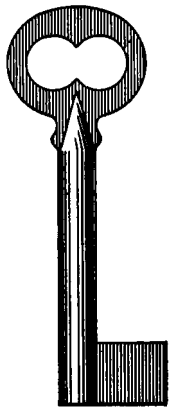
BARREL KEYS



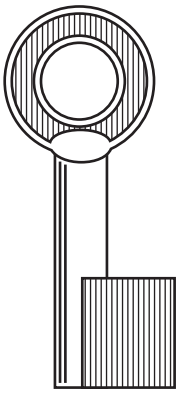




ILCO	23M	24B	C24M	27B	C30M
Material	MI	MI	PRECISION CAST	MI	PREC. CAST
Barrel Dia.	.21” (5.3mm)	.19” (4.8mm)	.20 (5.0mm)	.22” (5.6mm)	.24” (6.1mm)
Hole Dia.	.14” (3.6mm)	.13” (3.3mm)	.14 (3.6mm)	.15” (3.8mm)	.16” (4.1mm)
Hole Depth	.47” (11.9mm)	.43” (10.9mm)	.22 (5.6mm)	.60” (15.2mm)	.61” (15.5mm)
Bit Height	.26” (6.6mm)	.22” (5.6mm)	.20 (5.0mm)	.37” (9.4mm)	.37” (9.4mm)
Bit Width	.29” (7.4mm)	.19” (4.8mm)	.09 (2.3mm)	.43” (10.9mm)	.28” (7.1mm)
Bit Thick	.11” (2.8mm)	.09” (2.3mm)	.65 (16.2mm)	.10” (2.5mm)	.10” (2.5mm)

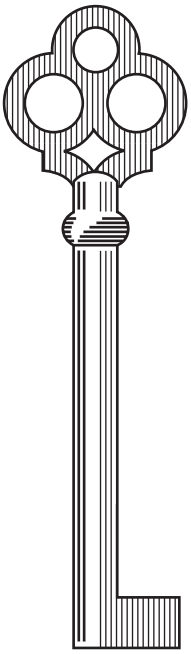
BARREL KEYS



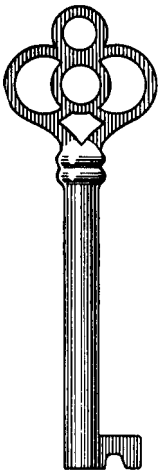
34B	ILCO
MI	Material
.19” (4.8mm)	Barrel Dia.
.13” (3.3mm)	Hole Dia.
.56” (14.7mm)	Hole Depth
.38” (9.7mm)	Bit Height
.34” (8.7mm)	Bit Width
.08” (2.0mm)	Bit Thick



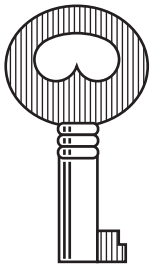
C68	ILCO
PRECISION CAST	Material
.25 (6.3mm)	Barrel Dia.
.36 (9.1mm)	Hole Dia.
.56 (14.7mm)	Hole Depth
.13 (3.3mm)	Bit Height
.17 (4.3mm)	Bit Width
.80 (20.3mm)	Bit Thick



C82M	ILCO
PRECISION CAST	Material
.23 (5.8mm)	Barrel Dia.
.31 (7.9mm)	Hole Dia.
.28 (7.1mm)	Hole Depth
.11 (2.8mm)	Bit Height
.14 (3.6mm)	Bit Width
.60 (15.2mm)	Bit Thick

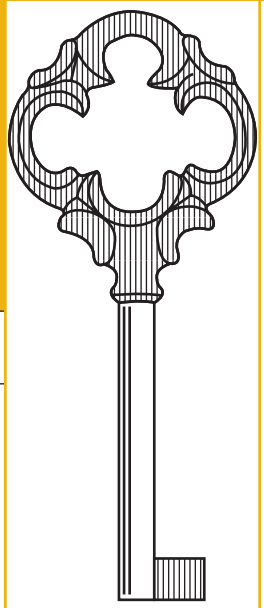


84B	ILCO
MI	Material
.19” (4.8mm)	Barrel Dia.
.13” (3.3mm)	Hole Dia.
.43” (10.9mm)	Hole Depth
.22” (5.6mm)	Bit Height
.19” (4.8mm)	Bit Width
.09” (2.3mm)	Bit Thick

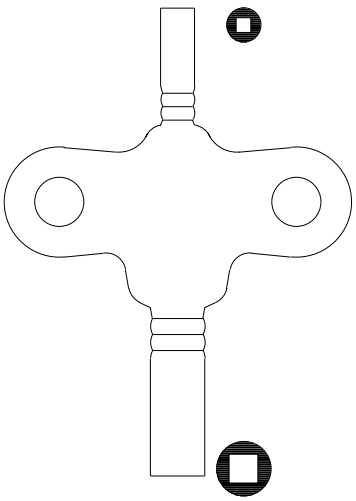


528	ILCO
PRECISION CAST	Material
.21 (5.3mm)	Barrel Dia.
.15 (3.8mm)	Hole Dia.
.18 (4.8mm)	Hole Depth
.09 (2.3mm)	Bit Height
.15 (3.8mm)	Bit Width
.48 (12.2mm)	Bit Thick

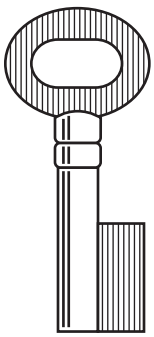
BARREL KEYS



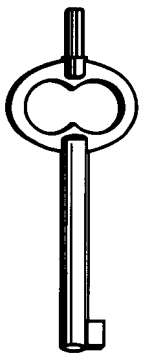
628	ILCO
MI	Material
.22” (5.6mm)	Barrel Dia.
.13” (3.3mm)	Hole Dia.
.45” (11.4mm)	Hole Depth
.21” (5.3mm)	Bit Height
.23” (5.8mm)	Bit Width
.11” (2.8mm)	Bit Thick



669	ILCO
PREC. CAST	Material
CLOCK KEY	Barrel Dia.
	Hole Dia.
	Hole Depth
	Bit Height
	Bit Width
	Bit Thick

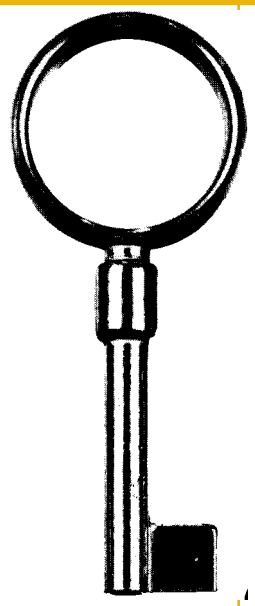
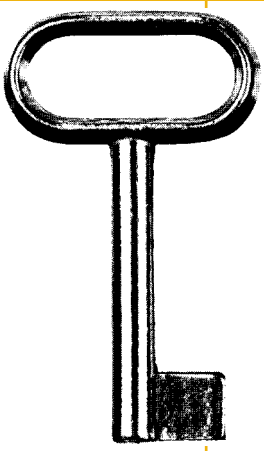
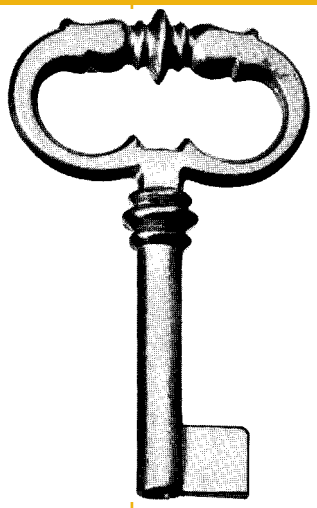
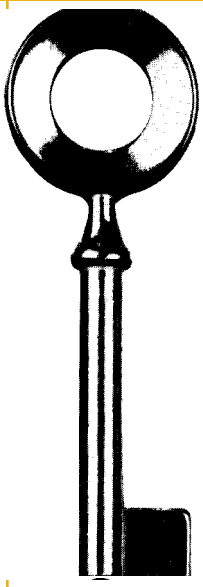


1500A	ILCO
MI	Material
.22 (5.6mm)	Barrel Dia.
.14 (3.6mm)	Hole Dia.
.19 (4.8mm)	Hole Depth
.56 (14.2mm)	Bit Height
.09 (2.3mm)	Bit Width
	Bit Thick



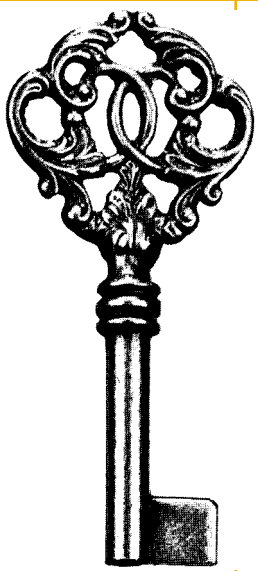
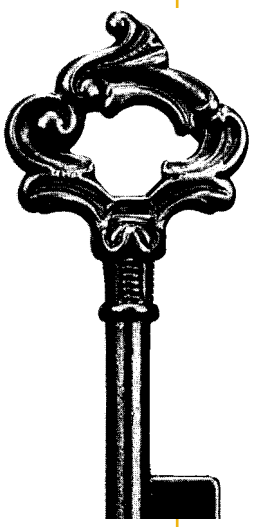
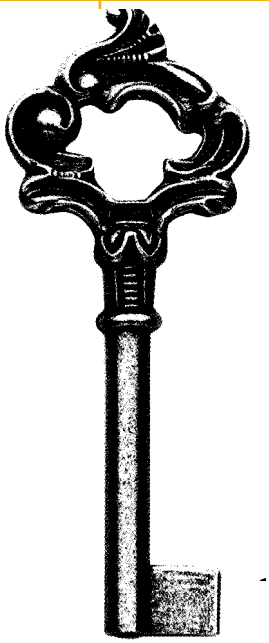
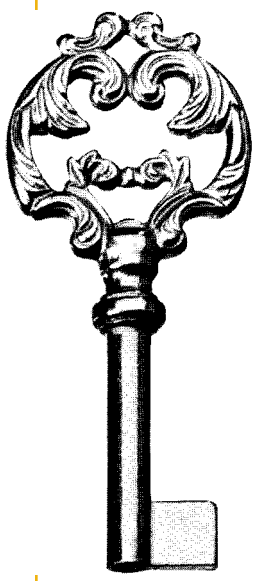
6750	ILCO
STEEL	Material
HANDCUFF KEY	Barrel Dia.
	Hole Dia.
	Hole Depth
	Bit Height
	Bit Width
	Bit Thick

BARREL KEYS

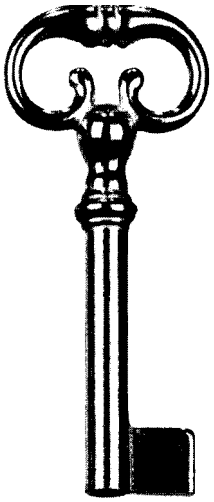
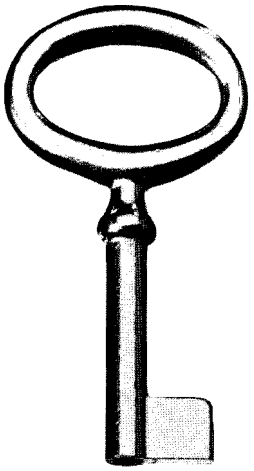
ILCO	3F-1033	3F-1140	3F-1232	3F-1540
Material	BRASS	BRASS	BRASS	BRASS
Barrel Dia.	.24” (6.0mm)	.24” (6.0mm)	.24” (6.0mm)	.24” (6.0mm)
Hole Dia.	.16” (4.0mm)	.16” (4.0mm)	.16” (4.0mm)	.16” (4.0mm)
Hole Depth	.87” (22.0mm)	.87” (22.0mm)	.87” (22.0mm)	.87” (22.0mm)
Bit Height	.36” (9.1mm)	.36” (9.1mm)	.36” (9.1mm)	.36” (9.1mm)
Bit Width	.35” (9.0mm)	.36” (9.1mm)	.34” (8.6mm)	.34” (8.7mm)
Bit Thick	.11” (2.8mm)	.12” (3.0mm)	.13” (3.2mm)	.12” (3.0mm)

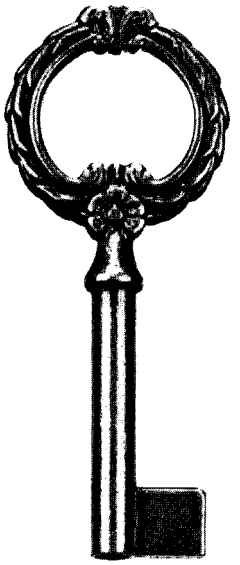
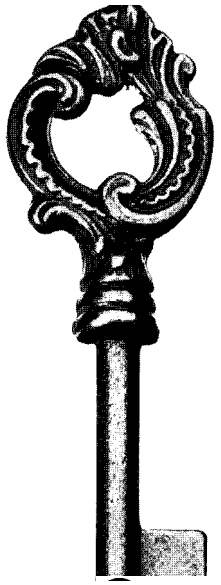
BARREL KEYS

ILCO	3F-1630	3F-1730	3F-1738	3F-2532
Material	BRASS	BRASS	BRASS	BRASS
Barrel Dia.	.23” (6.0mm)	.23” (6.0mm)	.23” (6.0mm)	.23” (6.0mm)
Hole Dia.	.16” (4.0mm)	.16” (4.0mm)	.16” (4.0mm)	.16” (4.0mm)
Hole Depth	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)
Bit Height	.36” (9.1mm)	.36” (9.1mm)	.36” (9.1mm)	.35” (8.9mm)
Bit Width	.36” (9.1mm)	.35” (9.0mm)	.34” (8.8mm)	.35” (9.0mm)
Bit Thick	.12” (3.0mm)	.12” (3.0mm)	.12” (3.0mm)	.12” (3.1mm)

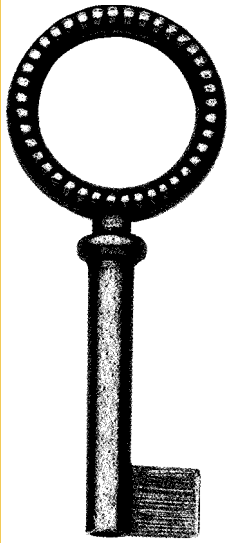
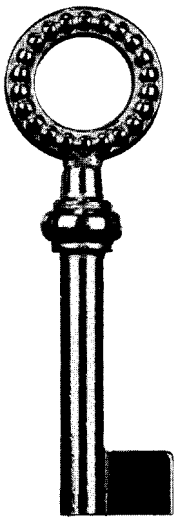
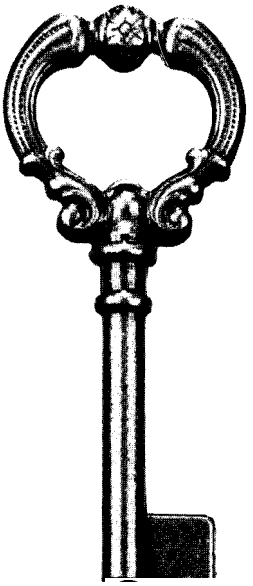
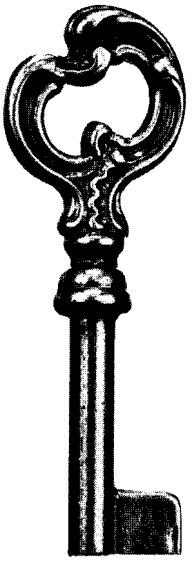
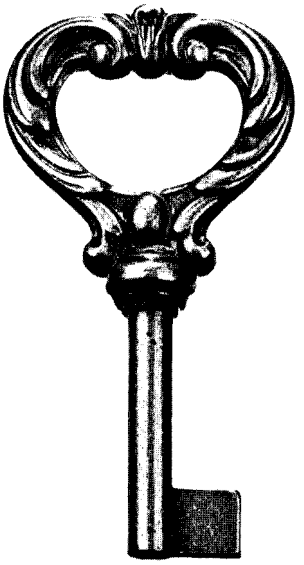
BARREL KEYS

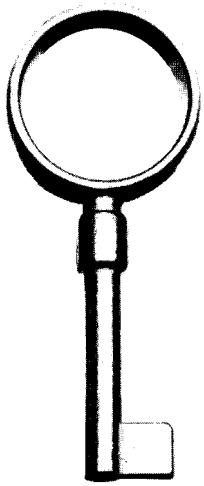
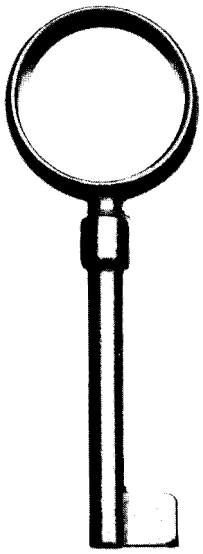
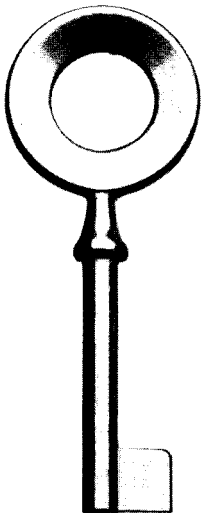
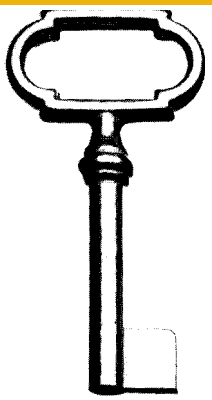
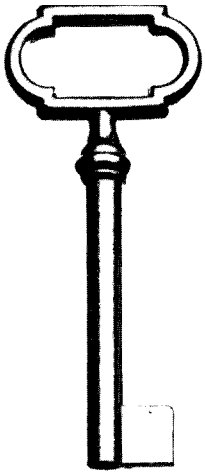
3F-2635	3F-2830	3F-2933	3F-4135	3F-4333	ILCO
BRASS	BRASS	BRASS	BRASS	BRASS	Material
.23” (6.0mm)	.23” (6.0mm)	.23” (6.0mm)	.23” (6.0mm)	.23” (6.0mm)	Barrel Dia.
.16” (4.0mm)	.16” (94.0mm)	.16” (4.0mm)	.16” (4.0mm)	.16” (4.0mm)	Hole Dia.
.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	Hole Depth
.36” (9.1mm)	.36” (9.1mm)	.36” (9.1mm)	.36” (9.1mm)	.36” (9.1mm)	Bit Height
.35” (9.0mm)	.36” (9.1mm)	.35” (9.0mm)	.35” (9.0mm)	.34” (8.8mm)	Bit Width
.13” (3.2mm)	.13” (3.2mm)	.11” (2.9mm)	.11” (2.9mm)	.12” (3.0mm)	Bit Thick

BARREL KEYS

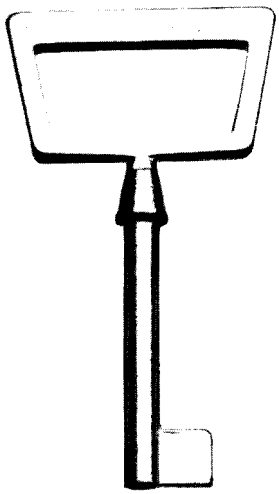
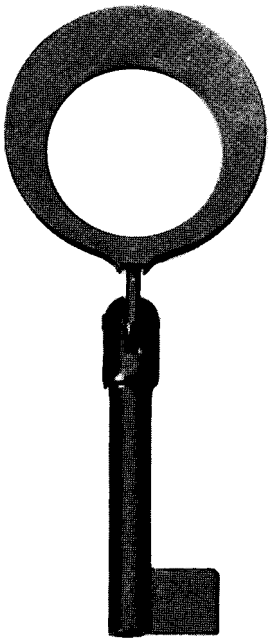
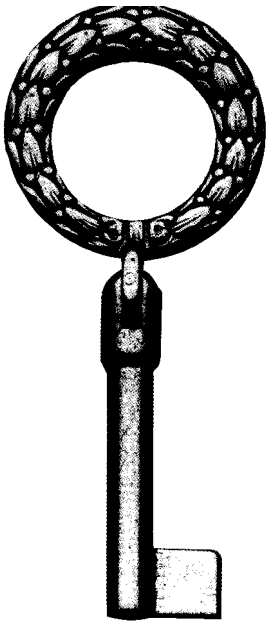
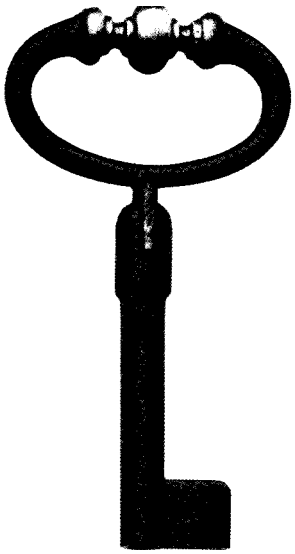
3F-4535	3F-4735	3F-4935	3F-5233	3F-6932	ILCO
BRASS	BRASS	BRASS	BRASS	BRASS	Material
.23” (6.0mm)	.23” (6.0mm)	.23” (6.0mm)	.23” (6.0mm)	.23” (6.0mm)	Barrel Dia.
.16” (4.0mm)	.16” (4.0mm)	.16” (4.0mm)	.16” (4.0mm)	.16” (4.0mm)	Hole Dia.
.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	Hole Depth
.36” (9.1mm)	.36” (9.1mm)	.36” (9.1mm)	.36” (9.1mm)	.36” (9.1mm)	Bit Height
.35” (9.0mm)	.34” (8.7mm)	.35” (9.0mm)	.34” (8.6mm)	.34” (8.6mm)	Bit Width
.10” (2.5mm)	.12” (3.0mm)	.12” (3.1mm)	.14” (3.5mm)	.14” (3.5mm)	Bit Thick

BARREL KEYS

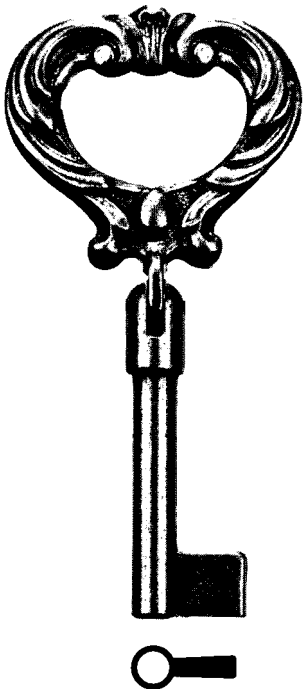
ILCO	3M-2127	3M-2136	3M-2734	3M-3427	3M-3437
Material	BRASS	BRASS	BRASS	BRASS	BRASS
Barrel Dia.	.22” (5.7mm)	.22” (5.7mm)	.22” (5.7mm)	.22” (5.7mm)	.22” (5.7mm)
Hole Dia.	.14” (3.5mm)	.14” (3.5mm)	.14” (3.5mm)	.14” (3.5mm)	.14” (3.5mm)
Hole Depth	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)
Bit Height	.25” (6.4mm)	.25” (6.4mm)	.25” (6.4mm)	.25” (6.4mm)	.25” (6.4mm)
Bit Width	.29” (7.5mm)	.29” (7.5mm)	.35” (9.0mm)	.31” (8.0mm)	.31” (8.0mm)
Bit Thick	.10” (2.5mm)	.10” (2.5mm)	.10” (2.5mm)	.10” (2.5mm)	.10” (2.5mm)

BARREL KEYS

ILCO	3M-5935	3S-1832	3S-2332	3S-5332
Material	BRASS	BRASS	BRASS	BRASS
Barrel Dia.	.22” (5.7mm)	.23” (6.0mm)	.23” (6.0mm)	.23” (6.0mm)
Hole Dia.	.14” (3.5mm)	.16” (4.0mm)	.16” (4.0mm)	.16” (4.0mm)
Hole Depth	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)	.86” (22.0mm)
Bit Height	.25” (6.4mm)	.35” (9.0mm)	.36” (9.1mm)	.36” (9.1mm)
Bit Width	.30” (7.6mm)	.35” (9.0mm)	.35” (9.0mm)	.35” (9.0mm)
Bit Thick	.10” (2.5mm)	.14” (3.5mm)	.12” (3.0mm)	.12” (3.0mm)

BARREL KEYS



3S-7032				ILCO
BRASS				Material
.23” (6.0mm)				Barrel Dia.
.16” (4.0mm)				Hole Dia.
.86” (22.0mm)				Hole Depth
.36” (9.1mm)				Bit Height
.36” (9.1mm)				Bit Width
.12” (3.0mm)				Bit Thick

		ILCO
		Material
		Barrel Dia.
		Hole Dia.
		Hole Depth
		Bit Height
		Bit Width
		Bit Thick