

Biaxial Pin Line Locks featuring Medeco® Core

M B B O		0	0		A
Introduction	<u>M</u>	—			
Cam Locks	$\frac{M}{2}$ $\frac{M}{3}$				
Drawer/Door Locks	<u>M</u>				
Gang Locks	<u>M</u> 5				
Snap Bolt Lock	<u>M</u>				
Plunger Locks M/7	M M M 8 9 10				
Ratchet Locks	<u>M</u> 11	20			
Core	M 12				
Keys	<u>M</u> 13				



Standard Plating Finish



*Special Plating Finishes

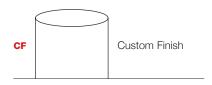








*Custom Plating Finish



* Extended lead-time and plating lot charges may apply to Special and Custom finishes. Please call Kenstan for details.

Biaxial Pin Line Locks featuring Medeco® Core

The \mathbf{M} line offers superior security in a variety of showcase and cabinet locks with thousands of high-security precision cut key combinations. Some \mathbf{M} line locks are also available in a **Removable Core** version.

Locks can be keyed alike, individually or in groups and can be master or grand master keyed. The unique double-locking mechanism renders our cylinders virtually pick-proof.

Delivery

At Kenstan, we assemble every lock to order and strive to meet your requested in-house date. Our standard lead time is to ship within two weeks from the receipt of your order. Rush orders and emergency services are available.

Plating

The ${\bf M}$ line standard plating finish is Polished Nickel housing with a Satin Chrome core.

A wide range of special plating finishes is also available, including Polished Brass, Satin Brass, Statuary Bronze, Matte Black and Custom Finishes to match your showcase hardware.

Please note: Extended lead-time and plating lot charges may apply to Special and Custom finishes. Please call Kenstan for details.

Key Control and Resistance to Attack

The security of any locking system depends on two critical factors: physical strength against picking/drilling/forcing and controlling duplication of existing keys. The $\bf M$ line has countered these by the following:

- Hardened steel inserts were added to protect the keyway, shear line and sidebar areas.
- Biaxial locks employ offset chisel-pointed pins to make picking virtually impossible.
- **M** line keys must be cut on special key cutting machines that reproduce the angled cuts to match the Biaxial chisel point pins.
- Every **M** line key blank is accounted for and its release controlled by the factory and marked for end-user identification.
- We will process extra key orders only with an authorized signature.

Key Retaining vs. Non-Key Retaining Lock Function

The \mathbf{M} line standard operation is a key retaining function (captive), which means that the operating key can be removed in the locked position only. Therefore, the lock cannot be accidentally left in the open/unlocked position.

 ${\bf M}$ locks can also be supplied as non-key retaining (non-captive), which allows the key to be removed in both the locked and unlocked position

Designer note: For true captive operation, the use of our captive key locks must be coordinated with sliding door showcase design. The use of non by-passing sliding doors is recommended to restrict door movement and ensure key removal only when the doors are in the secure position.

Item Number

To determine your item number enter the **RED** option code for each section as in the example below.

A	₿	Θ	O	(3	(3	G	(0	0	ß	
(CL	н	04	1203	PN	Υ	Υ	Y	N	W	106	

A Lock Style

CL Cam Lock

B Core Type

M Medeco® Biaxial

Medeco® Biaxial m³

R Medeco® Biaxial - Removable Core
 G Medeco® Biaxial m³ - Removable Core

6 Housing Length

MAXIMUM			
WOOD	METAL	GLASS	BARREL LENGTH
-	3/8"	1/4"	11/16"
1/2"	9/16"	7/16"	7/8"
13/16"	7/8"	3/4"	1-1/8"
1-3/16"	1-1/4"	1-1/8"	1-1/2"
1-9/16"	-	=	1-3/4"
1-7/8"	-	-	2"
2-1/4"	-	-	2-3/8"
2-1/2"	-	-	2-3/4"
2-3/4"	-	-	3"
3-1/8"	-	-	3-3/8"
	wood 1/2" 13/16" 1-3/16" 1-9/16" 1-7/8" 2-1/4" 2-1/2" 2-3/4"	wood METAL - 3/8" 1/2" 9/16" 13/16" 7/8" 1-3/16" 1-1/4" 1-9/16" - 1-7/8" - 2-1/4" - 2-1/2" - 2-3/4" -	- 3/8" 1/4" 1/2" 9/16" 7/16" 13/16" 7/8" 3/4" 1-3/16" 1-1/4" 1-1/8" 1-9/16" 1-7/8" 2-1/4" 2-1/2" 2-3/4"

Cam Rotation

	LOCKED	OPEN		LOCKED	OPEN
0312	3	12	0912	9	12
0306	3	6	0903	9	3
0309	3	9	0906	9	6
0612	6	12	1203	12	3
0603	6	3	1206	12	6
0609	6	9	1209	12	9

Plating Finish

Extended lead-time and plating lot charges **may** apply to Special and Custom finishes.

PN Polished Nickel wSatin Chrome Core
PB Polished Brass
SB Satin Brass
BL Matte Black
ST Statuary Bronze
CF Custom Finish

Key Retaining

N* No Y Yes

G Keyed Different

N No Y Yes

Stamp Lock

N No

Master Keyed

N No Y Yes

G Grand Master

Material Installation

W WoodM Metal

GR Glass with Round Hole
GD Glass with Double "D" Hole

Other - No Mounting Hardware





Note: All Cam Locks come with a 1-1/4" Straight Cam unless a different cam is chosen.

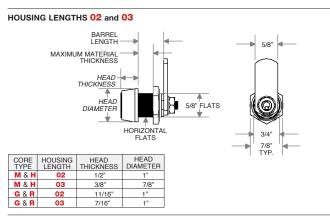
Cam Type

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	71		
STRAIGH	STRAIGHT		
101	5/8"		
102	3/4"		
103	7/8"		
104	1"		
105	1-1/8"		
106	1-1/4"		
107	1-3/8"		
108	1-1/2"		
	1-3/4"		
110			
112	2"		
116	2-1/2"		
1/8" OFF	SFT		
303	7/8"		
306	1-1/4"		
308	1-1/2"		
312	2"		
1/4" OFF	SET		
403	7/8" 1"		
404			
406	1-1/4"		
408	1-1/2"		
410	1-3/4"		
412	2"		
414	2-1/4"		
3/8" OFF			
504	1"		
506	1-1/4"		
508	1-1/2"		
512	2"		
1/2" OFF			
606	1-1/4"		
608	1-1/2"		
610	1-3/4"		
612	2"		
- (011 0			
5/8" OFF			
712	2"		
ноок			
202	3/4"		
204	1"		
206	1-1/4"		
208	1-1/2"		
210	1-3/4"		
PIN CAM			
P604	9/16" offset		
P004	ar to onset		
FOR SWI	ІТСН КІТ		
SL	No Cam*		
3L	INO Calli		

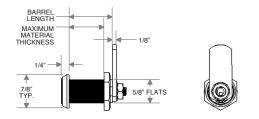
^{*}Switch option available. See Page A10 to order switch kit.

Continued

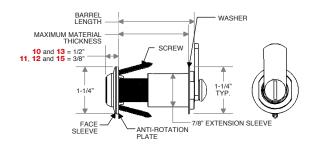
^{*}Not available in Removable Core.







HOUSING LENGTHS 10, 11, 12, 13, 14 and 15

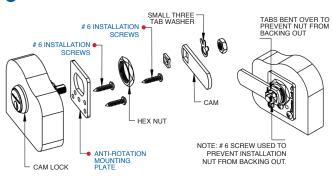


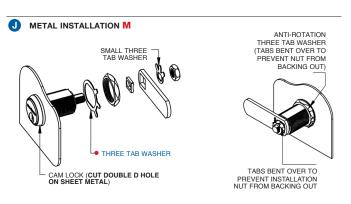
CAM ROTATIONS EXAMPLE



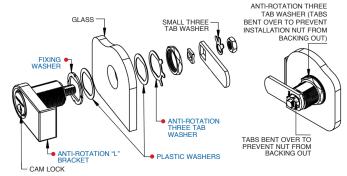
All non-key retaining 90 degree rotations are custom - call Kenstan. All 180 degree rotations are clockwise, unless specified.

● WOOD INSTALLATION W



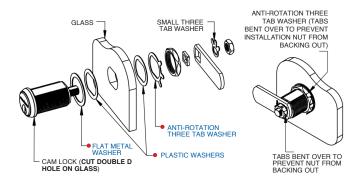


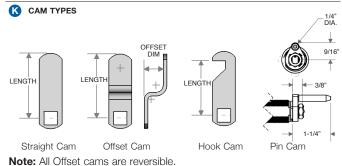




Dimension from center of hole to the edge of glass is 1-1/4"







Note: All Offset Carris are reversible

DrawerDoor Lock





Data Sheet

Item Number

DL

To determine your item number enter the **RED** option code for each section as in the example below.



Lock Style

DL Drawer/Door Lock

B Core Type

Medeco® Biaxial Medeco® Biaxial m³ Н Medeco® Biaxial Removable Core R G Medeco® Biaxial m3 Removable Core

Housing Length

13/16" S* 1-1/16" M* Ĺ 1-3/16"

O **Bolt Type**

STRAIGHT BOLT 2001 1-1/16" 2002 1-11/16" 2-5/16" 2003 2004 3-1/8" 3/8" OFFSET BOLT

2205 1-5/8" DIECAST SPRING BOLT

1-5/16" Std. 3209 INVERTED SLIDING SPRING BOLT

3410 1-5/16" Left 3411 1-5/16" Right

0 **Plating Finish**

Polished Nickel w/Satin Chrome Core Polished Brass PB SB Satin Brass BL Matte Black ST Statuary Bronze CF Custom Finish

Key Retaining

*Option available only on Straight Bolt and 3/8" Offset Bolt models.

N* No Yes

Keyed Different G

Yes

Stamp Lock

No Yes

Master Keyed

N No Yes

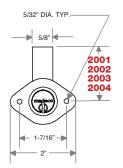
G Grand Master



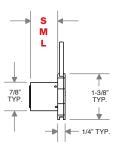
"Throw" (distance bolt travels from the locked to unlocked position) is 5/16".

All dimensions shown are in the locked position.

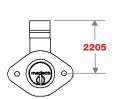
STRAIGHT BOLT

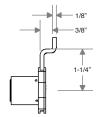


HOUSING LENGTH

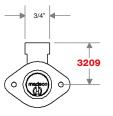


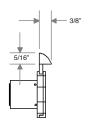
3/8" OFFSET BOLT



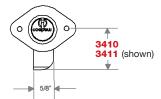


D DIECAST SPRING BOLT (3/16" bolt engagement recommended)





INVERTED SLIDING SPRING BOLT





^{*}Not available in Removable Core.



Gang Lock

Data Sheet

Item Number

To determine your item number choose the RED option code from each section below.

A	Lock Style	
		Gang Lock

Core Type

Medeco® Biaxial Medeco® Biaxial m³ Medeco® Biaxial Removable Core R Medeco® Biaxial m³ Removable Core G

Housing Length

13/16" S* М* 1-1/16' 1-3/16'

0 Mount Style/Bar Length

FRONT MOUNT LOCKED UP 2424 24" on 2436 36" r Pin must be c im of Drawer 48" 2448 24CL Custom No Bar **24NO** Notch for Pin n Bottom of I SIDE MOUNT LOCKED UP 2624 24" 36" 2636 2648 48" Custom **26CL** FRONT MOUNT LOCKED DOWN O 2824 24" Notch for Pin must be Top of Drawer 2836 36" 2848 48" 28CL Custom **28NO** No Bar SIDE MOUNT LOCKED DOWN 24" 3024 Non Kev 36" 3036 Retaining Only 3048 48" 30CL Custom

Plating Finish

Polished Nickel w/Satin Chrome Core PB Polished Brass Satin Brass SB BL Matte Black ST Statuary Bronze CF Custom Finish

Key Retaining

Yes

Keyed Different

No Yes

Stamp Lock

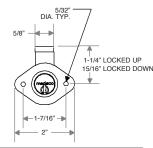
No

Master Keyed

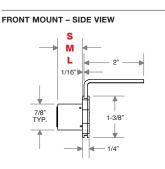
No Yes G Grand Master

Throw (distance bolt travels from the locked to unlocked position) is 5/16".

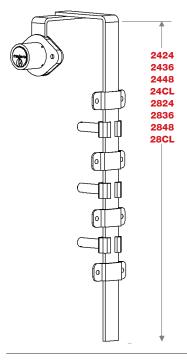
FRONT MOUNT - FRONT VIEW

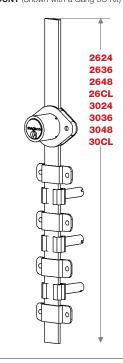


FRONT MOUNT (Shown with a Gang 3C Kit)



SIDE MOUNT (Shown with a Gang 3C Kit)





Gang Lock Packages

To determine your item number enter the **RED** option code for each section as in the example below.



GANG 3C A kit with three adjustable stops, three 1-1/8" pins, three lock washers, and four closed bar guides.

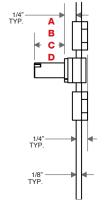


Number of Drawers

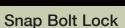
2 3 4

Pin Length

5/8" В 3/4" C 1-1/8" D 1-7/8"



^{*}Not available in Removable Core.

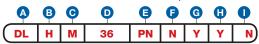




Item Number

DL36

To determine your item number enter the $\ensuremath{\mathbf{RED}}$ option code for each section as in the example below.



A	Lock	Style

DL Drawer/Door Lock

Core Type

Medeco® Biaxial н Medeco® Biaxial m3 Medeco® Biaxial Removable Core R Medeco® Biaxial m³ Removable Core G

Housing Length

1-1/16" 1-3/16"

Bolt Type

SNAP BOLT

36

Plating Finish

Polished Nickel w/Satin Chrome Core PΒ Polished Brass SB Satin Brass Matte Black BL ST Statuary Bronze CF Custom Finish

Key Retaining

No

Keyed Different

No Yes

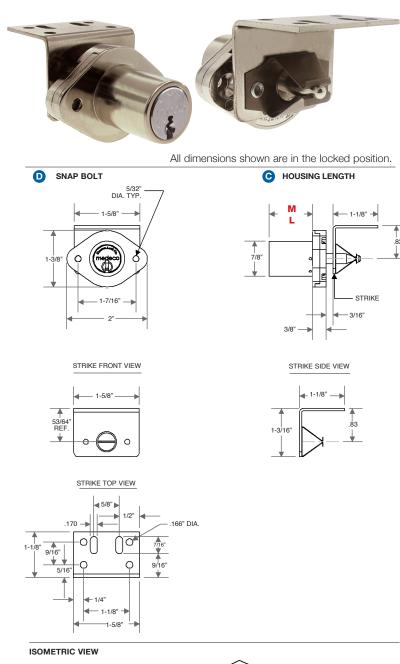
Stamp Lock

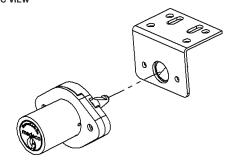
Yes

Master Keyed

Yes

G Grand Master





^{*}Not available in Removable Core.

Plunger Lock

Data Sheet

Item Number

To determine your item number enter the RED option code for each section as in the example below.



Lock Style

PL Plunger Lock

Core Type

Medeco® Biaxial 1-1/4" Housing Length Medeco® Biaxial m3

1-1/4" Housing Length R Removable Core

1-5/8" Housing Length Removable Core m³ G 1-5/8" Housing Length

Housing Style

Oval Flange

Plunger Type/Length

S SERIES

S1 3/8" 7/16" **S2** 5/8" **S3**

T SERIES

1/4" T3+ 9/16"

ROUND SERIES

R1* 3/8" **R2*** 7/16" 9/16" **R3***

ROUND EXTENDED SERIES

R4* 1-3/16" **R5*** 1-5/16" 1-11/16" **R6* R7*** 2-7/16"

Plating Finish

Polished Nickel PN w/Satin Chrome Core PB Polished Brass SB Satin Brass BL Matte Black ST Statuary Bronze

Custom Finish

Key Retaining

No Yes

Keyed Different

No Yes

Stamp Lock

No

Master Keyed

N No Yes

G Grand Master

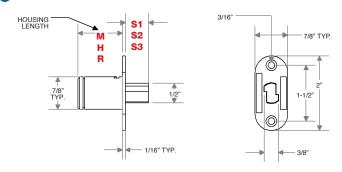




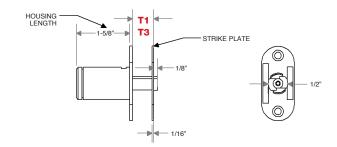
Patented

All dimensions shown are in the locked position.

S SERIES

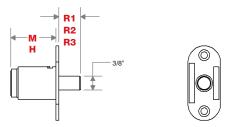




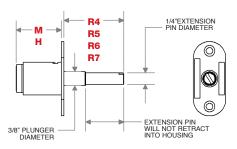


+ Available only in 1-5/8" Housing Length

ROUND SERIES



ROUND EXTENDED SERIES (Plunger travels 9/16")



Plunger Lock



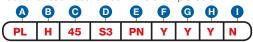


Data Sheet

Item Number

PL45

To determine your item number enter the **RED** option code for each section as in the example below.



Lock Style

Plunger Lock PL

3 Core Type

Medeco® Biaxial 1-1/4" Housing Length Medeco® Biaxial m³ н 1-1/4" Housing Length Removable Core 1-5/8" Housing Length Removable Core m³ 1-5/8" Housing Length

Housing Style

No Flange

0 Plunger Type/Length

S SERIES

5/16" S1 7/16" **S2** 5/8" **S**3

T SERIES

1/4" T1+ 9/16" T3+ **ROUND SERIES**

5/16" R1* 7/16" **R2*** 9/16"

ROUND EXTENDED SERIES

1-3/16" R4* **R5*** 1-5/16" **R6*** 1-11/16" 2-7/16" **R7***

Plating Finish

Polished Nickel w/Satin Chrome Core PB Polished Brass Satin Brass SB BL Matte Black Statuary Bronze ST CF Custom Finish

Key Retaining

No Yes

G **Keyed Different**

No Yes

(1) Stamp Lock

No Yes

Master Keyed

No Yes

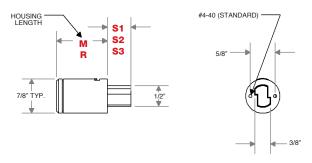
G Grand Master

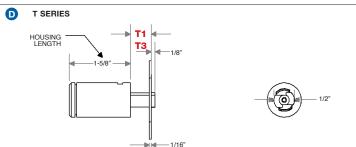


Patented

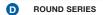
All dimensions shown are in the locked position.

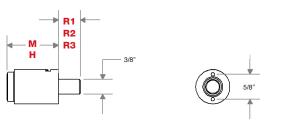




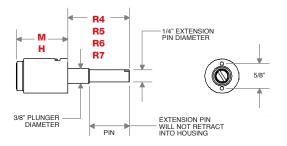


+ Available only in 1-5/8" Housing Length





0 ROUND EXTENDED SERIES (Plunger travels 9/16")

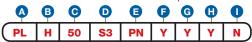


^{*}Not available in Removable Core.



Item Number

To determine your item number enter the **RED** option code for each section as in the example below.



Lock Style

PL Plunger Lock

B **Core Type**

> М Medeco® Biaxial 1-1/4" Housing Length н Medeco® Biaxial m3 -1/4" Housing Length Removable Core R 1-5/8" Housing Length Removable Core m³ 1-5/8" Housing Length G

Housing Style

Round Flange

o Plunger Type/Length

S SERIES

3/8" 7/16" **S2** 5/8" **S**3

T SERIES

T1+ 1/4" 9/16" T3+

L SERIES

3/8" L3+ **ROUND SERIES** 3/8" **R1*** R2* 7/16"

R3* 9/16" **ROUND EXTENDED SERIES**

1-3/16" **R4*** 1-5/16" **R5*** **R6*** 1-11/16" **R7*** 2-7/16"

Plating Finish

PΝ Polished Nickel w/Satin Chrome Core РΒ Polished Brass SB Satin Brass BL Matte Black ST Statuary Bronze Custom Finish CF

Key Retaining

Yes

Keyed Different O

> No Yes

Stamp Lock

No Yes

Master Keyed

No

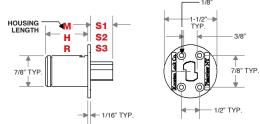
Yes

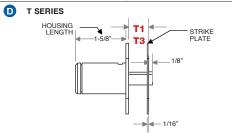
Grand Master G



All dimensions shown are in the locked position.

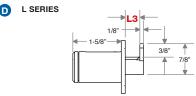
S SERIES (Parts included same as Round Series)





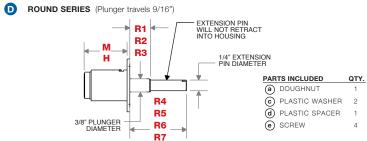
PAR	TS INCLUDED	QTY.
(a)	DOUGHNUT	2
Ь	J BRACKET (anti-rotation)	1
©	PLASTIC WASHER	4
d	PLASTIC SPACER	2
e	SCREW	8
f	STRIKE PLATE	1

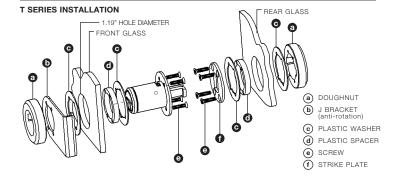
+ Available only in 1-5/8" Housing Length



PARTS INCLUDED	QTY.
a DOUGHNUT	1
 J BRACKET (anti-rotation) 	1
© PLASTIC WAS	HER 2
d PLASTIC SPACE	CER 1
SCREW	4

+ Available only in 1-5/8" Housing Length





Plunger Lock





Data Sheet

Item Number

PL51

To determine your item number enter the **RED** option code for each section as in the example below.



A Lock Style

Plunger Lock

₿ **Core Type**

Medeco® Biaxial н Medeco® Biaxial m3

Housing Style

Key Hole Lock

Material Thickness/Plunger

MATERIAL THICKNESS PLUNGER LENGTH SHORT BACK 1.20 3/4" Std. 1/4" 5/8" 3/8" **B4** LONG BACK 2.08

1-1/2" Std 1/4" **B6** В7 3/8" 1-3/8" 7/8" 1-1/32" **B8**

Plating Finish

Polished Nickel w/Satin Chrome Core PB Polished Brass Satin Brass SB BL Matte Black Statuary Bronze ST Custom Finish CF

Key Retaining

Yes

Keyed Different

Yes

Stamp Lock

No Yes

Master Keyed

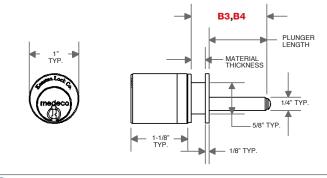
Yes

Grand Master G

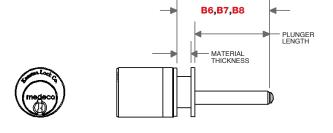


All dimensions shown are in the locked position.

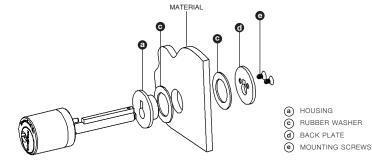
SHORT PLUNGER



LONG PLUNGER



KEY HOLE LOCK - EXPLODED VIEW



Item Number

To determine your item number choose one **RED** option code from each section below.

Lock Style

RL Ratchet Lock

B Core Type

> Medeco® Biaxial Medeco® Biaxial m³ н

0 **Housing Style**

> Ratchet 60

Bar Type

Standard Adjustable **B2**

Stick on Outer Surfce **B5**

New B9 Stick on Inner Surfce

Plating Finish

Polished Nickel w/Satin Chrome Core

CF Custom Finish

Key Retaining

Keyed Different

No

Stamp Lock

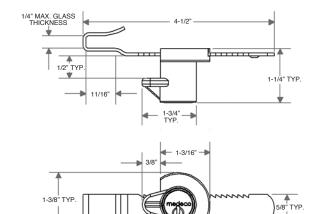
Master Keyed

D STANDARD BAR B1

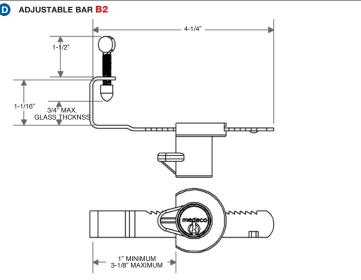
Yes

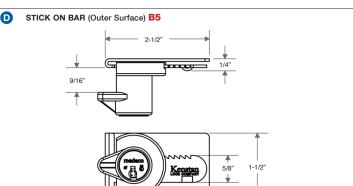
G Grand Master

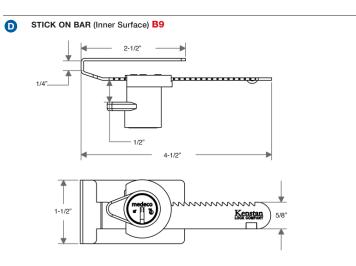
1" MINIMUM 3-3/8" MAXIMUM











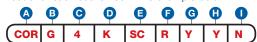






Item Number

To determine your item number enter the **RED** option code for each section as in the example below.



Lock Style

COR Removable Core

Core Type

Medeco® Biaxial Removable Core R G Medeco® Biaxial m3 Removable Core

Number of Pins

Standard 4 Pin

o Keyway

> Kenstan 0 Other

Plating Finish

Satin Chrome Polished Brass РΒ

SB Satin Brass BL Matte Black ST Statuary Bronze

CF Custom Finish

Key Rotation

Right

L Left (For Cam lock only)

Keyed Different

N Y No

Yes

Stamp Core

No Yes

Master Keyed

No

Yes

G Grand Master



SED ON THE FOLLOWING REMOVABLE CORE LOCK TYPES:	
CAM LOCKS	
DRAWER/DOOR LOCKS	
GANG LOCKS	
DL36 SNAP BOLT LOCK	
PL40 PLUNGER LOCKS	
PL45 PLUNGER LOCKS	
AND	
PL50 PLUNGER LOCKS	



Keys

Medeco® Keys

Data Sheet

Our Medeco® High Security cabinet lock keys are made from a special nickel silver alloy. Bitted Medeco® keys must be precisely cut to exact depths and angles, and require special duplicating machines. The key blanks are considered restricted, factory controlled and never sold as uncut blanks. Duplicate keys can not be made without the written signature consent and drivers license identification of the Authorized Purchasing Personnel. The patented key programs prevent the unauthorized duplication of keys and maintain system integrity.

Beginning in 2005, the new Medeco^{3®} technology will also be available in the Medeco® cores featured in Kenstan locks. This unique design provides triple locking action, making the locks virtually pick-proof. All Medeco^{3®} keys and locks are protected under patent, trademark and copyright laws. As with our Standard Medeco® Biaxial keys, the Medeco3® keys may only be duplicated by our factory.

Additional Medeco® restricted keys can only be ordered under the original signature authorized users who initiated the keying plan. Kenstan Original Keys can be ordered by referencing the stamp number on the key. Operating keys may be stamped with the key number itself (AA23, AC75 and so on) or may have a stamp number representing a key number (such as a 2 stamp representing AC75). Master keys will have an M or Master engraved on the key bow. Core Removal keys in our Removable Core (R) version will be engraved with C or Control on the key bow.

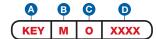
If keys have been lost or stolen, we can reference the stamp number on the lock housings, cams or bolts if available.



Biaxial m3 Kev Photo shown

Item Number

To determine your item number enter the **RED** option code for each section as in the example below.



A	Item	
	KEY	Key
B	Core Type	
	M	Medeco® Biaxial
	н	Medeco® Biaxial m3
	R	Medeco® Biaxial Removable Core
	G	Medeco® Biaxial m³ Removable Core
0	Key Functi	on
	0	Operating
		N 4 I -

Master M G Grand Master Control For Removable Core

Key Code

Specific Anv Kenstan assigns



- **1. Pricing:** Kenstan Lock reserves the right to institute price adjustments based upon fluctuation of material costs without prior notice. Orders, or balances of orders, that have not shipped within 6 months from the original order date may be subject to a price review.
- **2. Payment Terms:** Payment must be made at time of purchase, unless otherwise approved by Kenstan with terms of Net 30 Days from the date of the invoice. A service charge of 1.5% per month will be charged on overdue accounts.
- **3. Shipping:** Please be sure to specify your preferred shipping method on every order. For all orders received without shipping instructions, Kenstan will use our discretion to make carrier selection based upon the most economical method of shipment available to meet your required in house date. Kenstan is not responsible for risk of loss or damage to products in transit with the selected carrier.
- **4. Deliveries:** At Kenstan, we assemble every lock to order and strive to meet your requested in-house date. Our standard lead time is to ship within two weeks from the receipt of your order. Rush orders and emergency services are available. Unless specifically prohibited in writing by the purchaser, Kenstan reserves the right to make partial shipments of any order.
- **5. Inspection:** Kenstan Lock inspects all products in accordance with our standard quality control procedures. Upon receipt and inspection by the purchaser, any parts proven to be defective or not as ordered may be returned to Kenstan for repair or replacement following the conditions in the "Returned Goods" section (#6) below.
- **6. Returned Goods:** Product replacement or account credit for any returned goods will be made solely at the discretion of Kenstan and will only be accepted upon the issuance of a Return Authorization number from Kenstan's Customer Service Department. Merchandise proven to be defective, due to faulty material and/or workmanship, may be returned for full replacement or credit. Any product ordered incorrectly by the customer may be accepted for return and subject to a 50% handling charge. Locks made with special or out-of production parts are not returnable, unless prior arrangements have been made. Returned merchandise that is damaged in transit, due to inadequate return packaging, will not be accepted.
- 7. Warranty: Kenstan Lock warrants, for a period of one year from delivery, that our products are free from defects in material and workmanship and makes no other warranties, expressed or implied, including but not limited to the degree of security or the purchaser's application or use of our product. Kenstan Lock Co. will not warranty any locks or parts that were modified outside of our factory. In the event of a product defect, Kenstan shall only be responsible to the extent of the cost of our product, and will not accept any claims for labor or loss of merchandise.
- **8. Cancellation:** If all or any part of an order is cancelled before the completion of the product assembly by Kenstan, the purchaser shall be responsible for payment of all assembled items as well as any special parts ordered for items remaining unassembled at the time of cancellation. If pricing on the original order was based upon Kenstan's quantity discount, a partial cancellation may affect the pricing on items already shipped and invoiced and a price adjustment will be made.
- **9. Catalog Dimensions and Sample Policy:** Please be aware that all lock and part drawing dimensions carry a tolerance of plus or minus 1/16" and are for reference only. Please contact us for actual dimensions. All specifications are subject to change without notice. Samples products are available upon request.