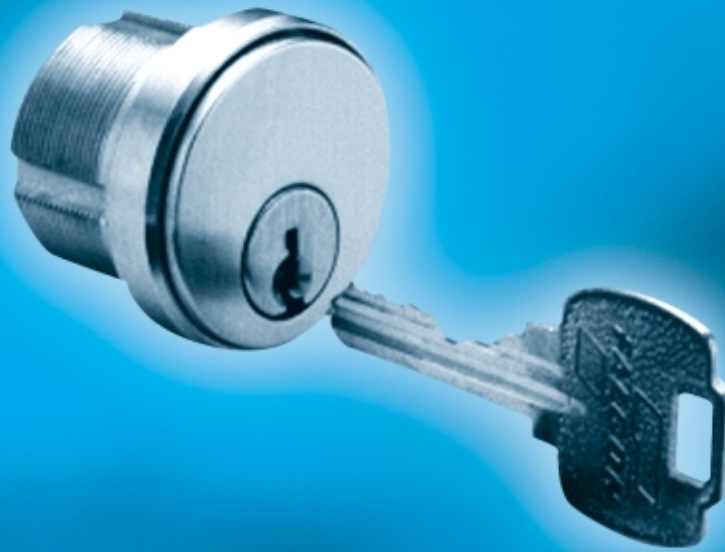


# MONARCH<sup>®</sup>

Cylinder Comparison Catalog



# Cylinder Comparison Catalog

## Mortise Cylinders

Threaded mortise cylinders (1<sup>5</sup>/<sub>32</sub>" x 32"), having 1/8" length, are normally required. Longer cylinders may need blocking ring(s).

The standard "A" cam, approximately 5/16" wide x 3/4" long is suitable for all Monarch functions. Exceptions are denoted as follows:

- \* Vanguard, trim requires 1<sup>1</sup>/<sub>4</sub>" long mortise cylinders.
- \*\* Concealed vertical rod devices (F)XX-C, (F)18-C and (F)17-C with -C Delta or -P Delta outside trim require 1" long cylinder with 1/8" blocking ring. Longer cylinders will require additional blocking ring(s). The cam must be installed in the inverted vertical position. Interchangeable cam supplied by Monarch.
- \*\*\* Lever and Knob trim for the 18 and XX mortise devices require a 1<sup>3</sup>/<sub>8</sub>" long mortise cylinder

## Rim Cylinders

Rim cylinders shall have tailpiece of sufficient length to extend through the door and project 5/16" minimum. The tailpiece can be either normally horizontal or normally vertical.

## Cylinder Dogging (CD)

Cylinder dogging for 17, 18 and 19 Series touchbar devices uses a 1<sup>1</sup>/<sub>8</sub>" mortise cylinder with standard "A" cam. Longer

cylinders will require additional blocking ring(s). The cam must be installed in the inverted position (inverted 180°). When the cylinder is mounted in the channel cover, the keyway lies horizontally with the cam pointing toward the touchbar.

XX Series crossbar exit hardware utilize a rim cylinder mounted in the side of the active case. (Mounted and assembled from factory.)

## Exit Alarm Kit (EAK)

Exit alarm kit for (F)17, (F)18 or (F)19 Series uses a 1<sup>1</sup>/<sub>8</sub>" long mortise cylinder. Longer cylinders will require additional blocking ring(s). When installed in the alarm cover, the keyway lies horizontally and the cam points away from the touchbar.

## Key Override (KOR)

Key override feature for (F)17, (F)18 or (F)19 Series uses a 1<sup>1</sup>/<sub>8</sub>" long mortise cylinder. Longer cylinders will require additional blocking ring(s). When installed in the alarm cover, the keyway lies horizontally and the cam points away from the touchbar.

## Delayed Egress

Electrical operation of device requires a 1<sup>1</sup>/<sub>4</sub>" mortise cylinder with standard "A" cam, (approximately 5/16" wide x 3/4" long). Longer cylinders will require additional blocking ring(s).

## 17 Series

Rim Devices Cylinder	Cylinder	Vertical Rod Devices	Mortise Lock Devices Cylinder	Cylinder	Concealed Rod Devices
(F)17-R-BA	None	(F)17-V-BA	(F)17-M-N	None	(F)17-C-N
(F)17-R-DT	None	(F)17-V-DT	(F)17-M-DT	None	(F)17-C-TDT
(F)17-R-TDT	None	(F)17-V-TDT	(F)17-M-TDT	None	(F)17-C-C
(F)17-R-P	Rim	(F)17-V-P	Mortise**		
(F)17-R-T	Mortise	(F)17-V-C	(F)17-M-K-DT	None	(F)17-C-P
(F)17-R-T(LS/LK)	None	(F)17-V-T	Mortise**		
(F)17-R-T(NL)	Mortise	(F)17-V-T(LS/LK)	(F)17-M-L	Mortise	(F)17-C-T
(F)17-R-K	Mortise	(F)17-V-T(NL)	(F)17-M-L(LS/LK)	None	(F)17-C-T(LS/LK)
(F)17-R-K(LS/LK)	None	(F)17-V-K	(F)17-M-L-DT	None	(F)17-C-K
(F)17-R-K(NL)	Mortise	(F)17-V-K(LS/LK)	(F)17-M-P Zephyr	Mortise	(F)17-C-K(LS/LK)
(F)17-R-K-DT	None	(F)17-V-K(NL)	(F)17-M-P Standard	Mortise	(F)17-C-K-DT
(F)17-R-L	Mortise	(F)17-V-K-DT	17-M-P(HB) Zephyr	Mortise	(F)17-C-L
(F)17-R-L(LS/LK)	None	(F)17-V-L	17-M-P(HB) Standard	Mortise	(F)17-C-L(LS/LK)
(F)17-R-L(NL)	Mortise	(F)17-V-L(LS/LK)			(F)17-C-L-DT
(F)17-R-L-DT	None	(F)17-V-L(NL)			(F)17-C-SL
		(F)17-V-L-DT			(F)17-C-SL(NL)
		(F)17-V-SL			(F)17-C-SLP
		(F)17-V-SL(NL)			(F)17-C-SLP(NL)

# Cylinder Comparison Catalog

## 18 Series

Rim Devices Cylinder	Cylinder	Vertical Rod Devices	Mortise Lock Devices Cylinder	Cylinder	Concealed Rod Devices
(F)18-R-BA	None	(F)18-V-BA	(F)18-M-N	None	(F)18-C-N
(F)18-R-DT	None	(F)18-V-DT	(F)18-M-DT	None	(F)18-C-DT Delta
(F)18-R-P	Rim	(F)18-V-P	(F)18-M-P	Mortise *	(F)18-C-TDT Delta
(F)18-R-T	Rim	(F)18-V-T	18-M-P(HB)	Mortise *	(F)18-C-C Delta
(F)18-R-T(LS/LK)	None	(F)18-V-T(LS/LK)	Mortise**		
(F)18-R-T(NL)	Rim	(F)18-V-T(NL)	(F)18-M-T	Mortise *	(F)18-C-P Delta
(F)18-R-T2	2 x Rim	(F)18-V-T2	Mortise**		
(F)18-R-T(2O.C.)	2 x Rim	(F)18-V-T(2O.C.)	(F)18-M-T(LS/LK)	None	(F)18-C-T Delta
(F)18-R-K	Rim	(F)18-V-K	(F)18-M-T2	Mortise *	(F)18-C-T(LS/LK) Delta
(F)18-R-K(LS/LK)	None	(F)18-V-K(LS/LK)		x Rim	(F)18-C-K Delta
(F)18-R-K-DT	None	(F)18-V-K-DT		(Device side)	(F)18-C-K(LS/LK) Delta
(F)18-R-K(NL)	Rim	(F)18-V-K(NL)	(F)18-M-K	Mortise ***	(F)18-C-K Delta
(F)18-R-K2	2 x Rim	(F)18-V-L	(F)18-M-K(LS/LK)	None	(F)18-C-L Delta
(F)18-R-K(2O.C.)	2 x Rim	(F)18-V-L(LS/LK)	(F)18-M-K-DT	None	(F)18-C-L(LS/LK) Delta
(F)18-R-L	Rim	(F)18-V-L-DT	(F)18-M-K2	Mortise ***	(F)18-C-L-DT Delta
(F)18-R-L(LS/LK)	None	(F)18-V-L(NL)		x Rim	(F)18-C-SL Delta
(F)18-R-L-DT	None	(F)18-V-L2		(Device side)	(F)18-C-SL(NL) Delta
(F)18-R-L(NL)	Rim	(F)18-V-L(2O.C.)	(F)18-M-L	Mortise ***	(F)18-C-SLP Delta
(F)18-R-L2	2 x Rim	(F)18-V-SL Delta	(F)18-M-L(LS/LK)	None	(F)18-C-SLP(NL) Delta
(F)18-R-L(2O.C.)	2 x Rim	(F)18-V-SL(NL) Delta	(F)18-M-L-DT	None	
			(F)18-M-L2	Mortise ***	
				x Rim	
				(Device side)	

## 19 Series

Rim Devices	Cylinder	Vertical Rod Devices	Centron Trim	Cylinder	Centron Trim	Cylinder
(F)19-R-BA	None	(F)19-V-BA	(F)19-R-DT Centron	None	(F)19-V-DT Centron	None
(F)19-R-PULL	None	(F)19-V-PULL	(F)19-R-PULL	None	(F)19-V-PULL	None
(F)19-R-DT Trident	None	(F)19-V-DT Trident	(F)19-R-P Centron	Rim	(F)19-V-P Centron	Rim
(F)19-R-P Trident	Rim	(F)19-V-P Trident	(F)19-R-C Centron	Rim	(F)19-V-C Centron	Rim
(F)19-R-DT Control	None	(F)19-V-DT Control	(F)19-R-BE Centron	None	(F)19-V-BE Centron	None
(F)19-R-C Control	Rim	(F)19-V-C Control				
(F)19-R-P Control	Rim	(F)19-V-P Control				
(F)19-R-K Control	Mortise	(F)19-V-K Control				
(F)19-R-K NL Control	Mortise	(F)19-V-K NL Control				
(F)19-R-K(LS/LK) Control	None	(F)19-V-K(LS/LK) Control				
(F)19-R-K-DT Control	None	(F)19-V-K-DT Control				
(F)19-R-L Control	Mortise	(F)19-V-L Control				
(F)19-R-L NL Control	Mortise	(F)19-V-K NL Control				
(F)19-R-L(LS/LK) Control	None	(F)19-V-L(LS/LK) Control				
(F)19-R-L-DT Control	None	(F)19-V-L-DT Control				
(F)19-R-T Control	Mortise	(F)19-V-T Control				
(F)19-R-T NL Control	Mortise	(F)19-V-T NL Control				
(F)19-R-T(LS/LK) Control	None	(F)19-V-T(LS/LK) Control				
(F)19-R-KIK	Falcon	(F)19-V-KIK				
(F)19-R-KIL	Falcon	(F)19-V-KIL				

## 18 Series KIL & 19 Series KIL/LIL Cylinder Information

Feature	Standard Supplied by Monarch	Can work with
Body Style	Small format	Small format only
Number of Pins	6 (Only 5 used) in standard plug, 6 in IC Core	7 pin in standard plug and IC Core (including Schlage Everest & Primus cylinders)
Keyway	Schlage C	Any keyway available in a small body manufactured by Falcon or Schlage

**NOTE:** The IC Core cylinder supplied by Monarch has a removable tailpiece that is needed to function the trim. This removable tailpiece would need to be placed into any other manufacturers core that does not have a flat tailpiece from the back (i.e. only has the two holes to receive pins from the lever unit)

**XX Series**

Rim Devices Cylinder	Cylinder	Vertical Rod Devices	Mortise Lock Devices Cylinder	Cylinder	Concealed Rod Devices
(F)XX-R-BA	None	(F)XX-V-N	None	(F)XX-M-N	None
(F)XX-R-DT	None	(F)XX-V-DT	None	(F)XX-M-DT	None
(F)XX-R-P	Rim	(F)XX-V-P	Rim	(F)XX-M-P	Mortise*
(F)XX-R-T	Rim	(F)XX-V-T	Rim	XX-M-P(HB)	Mortise*
(F)XX-R-T(LS/LK)	None	(F)XX-V-T(LS/LK)	None	Mortise**	(F)XX-C-C Delta
(F)XX-R-T(NL)	Rim	(F)XX-V-T(NL)	Rim	(F)XX-M-T	Mortise*
(F)XX-R-T2	2 x Rim	(F)XX-V-K	Rim	Mortise**	(F)XX-C-P Delta
(F)XX-R-T(2O.C.)	2 x Rim	(F)XX-V-K(LS/LK)	None	(F)XX-M-T(LS/LK)	None
(F)XX-R-K	Rim	(F)XX-V-K-DT	None	(F)XX-M-T2	Mortise* x Rim (Device side)
(F)XX-R-K(LS/LK)	None	(F)XX-V-K(NL)	Rim	(F)XX-M-K	Mortise***
(F)XX-R-K-DT	None	(F)XX-V-L	Rim	(F)XX-M-K(LS/LK)	None
(F)XX-R-K(NL)	Rim	(F)XX-V-L(LS/LK)	None	(F)XX-M-K-DT	None
(F)XX-R-K2	2 x Rim	(F)XX-V-L-DT	None	(F)XX-M-K-DT	None
(F)XX-R-K(2O.C.)	2 x Rim	(F)XX-V-L(NL)	Rim	(F)XX-M-K2	Mortise* ** x Rim (Device side)
(F)XX-R-L	Rim	(F)XX-V-SL Delta	Mortise	(F)XX-M-L	Mortise***
(F)XX-R-L(LS/LK)	None	(F)XX-V-SL(NL) Delta	Mortise	(F)XX-M-L(LS/LK)	None
(F)XX-R-L-DT	None			(F)XX-M-L-DT	None
(F)XX-R-L(NL)	Rim			(F)XX-M-L2	Mortise*** x Rim (Device side)
(F)XX-R-L2	2 x Rim				
(F)XX-R-L(2O.C.)	2 x Rim				

\* Vanguard, trim requires 1 1/4" long mortise cylinders.

\*\* Concealed vertical rod devices (F)XX-C, (F)18-C and (F)17-C with -C Delta or -P Delta outside trim require 1" long cylinder with 1/8" blocking ring. Longer cylinders will require additional blocking ring(s). The cam must be installed in the inverted vertical position. Interchangeable cam supplied by Monarch.

\*\*\* Lever and Knob trim for the 18 and XX mortise devices require a 1 3/8" long mortise cylinder



**Monarch**

805 N. Buckman Street  
 Shepherdsville, KY 40165  
 800-826-5792  
 800-924-3551 Fax  
 www.monarchhardware.com