AWNING

Complementing the already popular Maxim® Operator \& Hinge System, the new Maxim ${ }^{\circledR}$ Locking System proves to be the most attractive, easiest operating, highest performing, best value in casement and awning window locking hardware.

Check out these amazing features \& benefits:

## ORDERING \& INSTALLATION MADE SIMPLE

- Non-Handed - You will like the advantage of ordering and inventorying just one lock for both left- and right-hand windows.
- Quick and easy lock-to-tie bar attachment and the simple one-piece lock support plates reduce installation time.
- Most current Truth \#24.84 lock system users will be able to use their current tie bar guides and keepers with the new Maxim lock and tie bar models.
- On casement windows the addition of a lock point below the handle improves sealing and lock-up
- Maxim offers a single point system for awning windows using existing stainless steel keepers. No tie bars or tie bar guides required.
- Custom-designed, profile-specific tie bar guides and keepers offer maximum hardware application flexibility. Guides "index" (locate) the tie bars in two directions for consistent and efficient application. (Contact Truth, or refer to catalog drawing details, to identify correct guides and keepers for your profile).
- An optional gasket, installed around the base ensures the assembly is tightly sealed to protect against air, water, and light infiltration.
- New tie bar models offer the benefit of a lock point below the lock itself when used with the Maxim System. Truth's \#24.84 Multi-Point Lock will also use the new tie bar models, however the lock-below feature is not available.

CONSUMER ADVANTAGES

- Secure, solid detent lets you "feel" when the Maxim System is locked.
- The unique design makes the lock highly pick-resistant.
- Homeowners will appreciate the excellent "reach-out" capability. No need to fully close the window before locking it. Just close the window to within $.625^{\prime \prime}(15.8 \mathrm{~mm})$ and actuate the lock handle.
- The heart of this system is the "progressive" locking action. Watch as the tie bar engages and pulls in the lowest lock point first, followed by the remaining keeper(s) in sequence. This "zippered effect" assures the top lock point on tall units always engages and pulls in, even in less-than-perfect installations. Feel the smooth and easy lock operation the sequential lock action also provides.


## ATTRACTIVE LOOK

- Multi-Point Locks for Casement (\#24.30, \#24.31 \& \#24.33 models) and Single-Point Locks for awning (\#24.32) look identical - for a consistent appearance throughout the home.
- Contemporary aesthetics and styling complement the Maxim Operator System.
- With its sleek, low-profile design, homeowners will love the fact that in either the locked or unlocked position, these locks won't interfere with curtains or blinds.
- With its attractive painted finish, the zinc handle \& base precisely match the color of your vinyl profile.


## WARRANTY:

Protected under the terms of the Truth Warranty for Window and Door Manufacturers and Authorized Distributors. Refer to Truth's Terms and Conditions for further details. SINGLE POINT LOCKING SYSTEMS

## MATERIAL \& PROTECTIVE FINISH:

High pressure zinc die-cast handle, case, and sliders (liquid or powder coat painted finish). Steel tie bar (powder coat painted finish). Keepers made of either E-Gard® Hardware, steel or UV stabilized acetal.

## E-GARD® HARDWARE

Truth's E-Gard® Hardware has a multi-stage coating process that produces a superior physical and aesthetic finish. Plus, it is resistant to a wider range of corrosive materials, including industrial cleaning materials and environmental pollutants. This proprietary process has been tested to perform approximately three times better than common zinc plated finishes.

## FINISH:

Electrostatically applied, durable coatings that provide excellent resistance to chipping, scratching and corrosion while maintaining color stability for years in direct sunlight. Please refer to Truth's Color Chart for examples of Truth's most popular finish options. Truth also offers a wide range of decorative "plated" finishes - contact Truth for additional information on availability of these finishes on specific product lines.

## ORDERING INFORMATION:

If application assistance is needed, please contact Truth Hardware's Product Specialists.

1. Order Casement or Awning Maxim® Sash Lock by part number.

Casement Multi-Point Locks
\#24.30 Multi-Point (short slider)
\#24.31 Multi-Point (long slider) \#24.33 Multi-Point (medium slider)

Awning Lock \#24.32 Maxim Single Point
2. Specify finish number.
3. Specify gasket (.002) or non-gasket (.001) model.
4. Order keepers by part number refer Fig. 10-20.
5. Specify tie bar needed by length refer to Fig. 5 \& 6.
6. Specify Tie Bar Guides by number refer to Fig. 7.

## RECOMMENDED SCREWS:

Types of screws required determined by material of profile used. See Tech Note \#11. Refer to drawings for complete information on screw type and quantity needed (sold separately).

## TRUTH TIPS:

1. For accurate hardware placement in vinyl or metal applications, pre-drilling of the window profile is recommended.
2. For vinyl window applications, mounting screws should pass through two PVC walls, or one PVC wall and one insert wall. For this reason, it may be necessary to use a longer screw than is recommended.
3. For power drivers used to install mounting screws, recommended torque for screw installation (\#19298) is 35 in./lbs; not to exceed $50 \mathrm{in} / \mathrm{lbs}$.
4. For metal window profiles, Truth recommends machine screws. However, in most applications, sheet metal screws will provide adequate holding power.
5. Truth recommends the use of a Snubber at the center of the hinge side on any casement window which has a tendency to bow outwardly at the center in the closed position. Adding a Snubber may increase the negative air pressure rating of the window.

INCLUDE TRUTH SPECS ON YOUR NEXT WINDOW PROJECT
Window locking system shall be included which will increase both security and weather seal tightness. The locking points must hold securely for negative air pressure and forced entry resistance.

Window sash locks will be used which provide sequential locking with up to .625" ( 15.9 mm ) of pull-in. The lock must utilize a tie bar driven by a single locking handle to meet ADA hardware height standards. The lock drive handle must provide a weather tight seal by providing a gasket between lock and window frame. The lock shall be constructed of high pressure zinc alloy die castings and either painted or E-Gard® components and accessories.

Window locks shall be 24 series, Maxim ${ }^{\circledR}$ Multi and Single Point Lock Systems as manufactured by Truth Hardware, Owatonna, MN.

## HARDWARE SELECTION FOR MAXIM® MULTI AND SINGLE POINT LOCKS:

## Casement Windows

## Lock Selection

- Choose a lock based on the hardware cavity depth available.
See J dimension if Fig. 1. Choose lock from Fig. 3.

Keeper and Tie Bar Guide Selection
The keeper and tie bar guide need to be selected together. To aid in your hardware selection, you need to consider:

- Hardware Cavity Size. If you currently use the Truth Hardware 24.84 Multi-point system, chances are the same Tie Bar Guide and Keeper can be used with the new Maxim Lock system.
- Refer to Fig. 1. Dimensions given for keepers and tie bar guides are to the center of tie bar roller/keeper engagement point. These dimensions will allow you to choose the appropriate components based on your hardware cavity dimensions. Choose a Tie Bar Guide with an E dimension and a keeper with a $\mathbf{K}$ dimension that add up as close as possible to the cavity dimensions available.
- Be aware that the Tie Bar Guide height impacts both the keeper selection as well as the lock's horizontal location on the frame. It is important that the lock be positioned to allow clearance for Support Plate (see fig. 8), if used.
- Mounting screw location - Choose components that will place the mounting screws where they will
have strongest engagement (i.e. screws should engage a double wall of vinyl or screw boss or insert).
- Keeper/weather-strip interference can occur as the window closes and must be considered when selecting a Tie Bar Guide and Keeper.

Tie Bar Selection

- Cone Verses Interlock -
- Interlock tie bars - Over-size rivet head minimizes the potential for the keeper to slip off the roller in performance testing. Also, there are more Interlock keeper options/models to choose from.
- Cone tie bar - Tapered roller and keepers.
- Make sure selected tie bar and keeper models are the same series both Cone or both Interlock style.


## Awning Windows

- \#24.32 (Fig. 4) - Single Point Lock

Keeper selection

- Select a keeper with or without positive pick-up tab. (See fig. 21 and 22) A keeper with positive pick-up tab will give better negative air pressure and forced entry ratings, however they are more sensitive to mounting tolerances.
Select a keeper with the appropriate $\mathbf{M}$ dimension based on the centerline of the lock housing.


## MAXIM ${ }^{\ominus}$ MULTI-POINT \& SINGLE POINT LOCKING SYSTEMS

FIG. 1 MAXIM MULTI-POINT APPLICATION INTERLOCK ROLLERS

REFER TO CATALOG "HARDWARE SELECTION INSTRUCTIONS" FOR STEP-BY-STEP HARDWARE SECTION ASSISTANCE. IF FURTHER ASSISTANCE IS NEEDED, CALL TRUTH HARDWARE PRODUCT SPECIALIST.


RIGHT HAND APPLICATION SHOWN

FIG. 2 MAXIM SINGLE-POINT / AWNING APPLICATION

REFER TO CATALOG COPY "HARDWARE SELECTION INSTRUCTIONS" FOR STEP-BY-STEP HARDWARE SELECTION ASSISTANCE. IF FURTHER ASSISTANCE IS NEEDED, CALL TRUTHHARDWARE PRODUCT SPECIALIST.


RIGHT HAND APPLICATION SHOWN

## 24 MAXIM $^{\ominus}$ MULTI-POINT \& SINGLE POINT LOCKING SYSTEMS

FIG. 3 MAXIM MULTI-POINT LOCK


| PART NO. | L | J <br> SEE FIG. 1 |
| :---: | :---: | :---: |
| 24.30 | 1.390 | 1.450 |
| 24.31 | 1.890 | 1.950 |
| 24.33 | 1.640 | 1.700 |

2-P/N 19298 \#10-24 PH PH THREAD
FORMING MACHINE SCREW

FIG. 4 24.32 MAXIM SINGLE-POINT LOCK (AWNING)


FIG. 5 TIE BAR CHART FOR INTERLOCK ROLLER


|  | TIE BAR ASSEMBLY |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RECOMMENDED FRAME SIZE (MIN.) | PART NO. |  |  | "A" DIM | "B" DIM SEE FIG. 1 | $\begin{aligned} & \text { "C" DIM } \\ & \text { SEE FIG. } 1 \\ & \hline \end{aligned}$ | "D" DIM SEE FIG. 1 |
|  | 2 ROLLERS | 3 ROLLERS | 4 ROLLERS |  |  |  |  |
| 21in (533.4mm) | 11901 | NA | NA | 14.9 (378.5mm) | 11.00 (279.4mm) | NA | NA |
| 25in (635.0mm) | 11902 | NA | NA | 18.9 (480.1mm) | 15.00 (381.0mm) | NA | NA |
| 29in (736.6mm) | 11903 | 11913 | NA | 22.9 (581.7mm) | 19.00 (482.6mm) | 10.00 (254.0mm) | NA |
| $33 \mathrm{in}(838.2 \mathrm{~mm})$ | 11904 | 11914 | NA | 26.9 (683.3mm) | 23.00 ( 584.2 mm ) | 12.00 ( 304.8 mm ) | NA |
| 37in (939.8mm) | 11905 | 11915 | NA | 30.9 (784.9mm) | 27.00 (685.8mm) | 14.00 ( 355.6 mm ) | NA |
| 41in (1041.4mm) | 11906 | 11916 | NA | 34.9 (886.5mm) | 31.00 (787.4mm) | 16.00 ( 406.4 mm ) | NA |
| 45in (1143.0mm) | 11907 | 11917 | NA | 38.9 (988.1mm) | 35.00 (889.0mm) | 18.00 ( 457.2 mm ) | NA |
| 49in (1244.6mm) | 11908 | 11918 | NA | 42.9 (1089.7mm) | 39.00 (990.6mm) | 20.00 (508.0mm) | NA |
| 53in (1346.2mm) | 11909 | 11919 | NA | 46.9 (1191.3mm) | 43.00 (1092.2mm) | 22.00 (558.8mm) | NA |
| 57in (1447.8mm) | 11910 | 11920 | NA | 50.9 (1292.9mm) | 47.00 (1193.8mm) | 24.00 ( 609.6 mm ) | NA |
| $61 \mathrm{in}(1549.4 \mathrm{~mm})$ | 11911 | 11921 | NA | 54.9 (1394.5mm) | 51.00 (1295.4mm) | 26.00 ( 660.4 mm ) | NA |
| $65 \mathrm{in}(1651.0 \mathrm{~mm})$ | 11912 | 11922 | NA | 58.9 (1496.1mm) | 55.00 (1397.0mm) | 28.00 (711.2mm) | NA |
| 69in (1752.6mm) | NA | NA | 11945 | 62.9 (1597.6mm) | 59.00 (1498.6mm) | 39.56 (1004.8mm) | 19.78 (50.2mm) |
| 73in (1854.2mm) | NA | NA | 11946 | 66.9 (1699.2mm) | 63.00 (1600.2mm) | 42.22 (1072.3mm) | 21.11 (536.1mm) |
| 77in (1955.8mm) | NA | NA | 11947 | 70.9 (1800.8mm) | 67.00 (1701.8mm) | 44.89 (1140.2mm) | 22.45 (570.2mm) |

NOTE:

1. "D" DIMENSION NOT SHOWN. FOR KEEPER AND TIE BAR GUIDE PLACEMENT. DIMENSION "D" HAS THE SAME ORIGIN AS B AND C DIMENSIONS IN FIG. 1.
2. B AND C DIMENSIONS ARE CONFIGURED TO GIVE SEQUENTIAL AND PROGRESSIVE LOCKING STARTING WITH THE BOTTOM LOCKING POINT.

FIG. 6 TIE BAR CHART FOR CONE ROLLER


| TIE BAR ASSEMBLY |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RECOMMENDED | PART NO. |  |  | $" A$ | "B" <br> DIM <br> SEE FIG. 1 | "C" DIM SEE FIG. 1 | "D" DIM <br> SEE FIG. 1 |
| (MIN.) | 2 ROLLERS | 3 ROLLERS | 4 ROLLERS |  |  |  |  |
| 21in (533.4mm) | 12005 | NA | NA | 14.9 (378.5mm) | 11.00 (279.4mm) | NA | NA |
| 25in (635.0mm) | 12006 | NA | NA | 18.9 (480.1mm) | 15.00 (381.0mm) | NA | NA |
| 29in (736.6mm) | 12008 | 12020 | NA | 22.9 (581.7mm) | 19.00 (482.6mm) | 10.00 (254.0mm) | NA |
| 33 in ( 838.2 mm ) | 12009 | 12021 | NA | 26.9 (683.3mm) | 23.00 (584.2mm) | 12.00 (304.8mm) | NA |
| 37 in (939.8mm) | 12012 | 12022 | NA | 30.9 (784.9mm) | 27.00 (685.8mm) | 14.00 (355.6mm) | NA |
| 41in (1041.4mm) | 12013 | 12023 | NA | 34.9 (886.5mm) | 31.00 (787.4mm) | 16.00 (406.4mm) | NA |
| 45in (1143.0mm) | 12015 | 12024 | NA | 38.9 (988.1mm) | 35.00 (889.0mm) | 18.00 (457.2mm) | NA |
| 49in (1244.6mm) | 12016 | 12025 | NA | 42.9 (1089.7mm) | 39.00 (990.6mm) | 20.00 (508.0mm) | NA |
| 53in (1346.2mm) | 12010 | 12026 | NA | 46.9 (1191.3mm) | 43.00 (1092.2mm) | 22.00 (558.8mm) | NA |
| 57in (1447.8mm) | 12017 | 12027 | NA | 50.9 (1292.9mm) | 47.00 (1193.8mm) | 24.00 (609.6mm) | NA |
| 61in (1549.4mm) | 12018 | 12028 | NA | 54.9 (1394.5mm) | 51.00 (1295.4mm) | 26.00 (660.4mm) | NA |
| 65in (1651.0mm) | 12019 | 12029 | NA | 58.9 (1496.1mm) | 55.00 (1397.0mm) | 28.00 (711.2mm) | NA |
| 69in (1752.6mm) | NA | NA | 12058 | 62.9 (1597.6mm) | 59.00 (1498.6mm) | 39.56 (1004.8mm) | 19.78 (502.4mm) |
| 73in (1854.2mm) | NA | NA | 12059 | 66.9 (1699.2mm) | 63.00 (1600.2mm) | 42.22 (1072.3mm) | 21.11 (536.1mm) |
| 77in (1955.8mm) | NA | NA | 12060 | 70.9 (1800.8mm) | 67.00 (1701.8mm) | 44.89 (1140.2mm) | 22.45 (570.2mm) |

NOTE:

1. "D" DIMENSION NOT SHOWN. FOR KEEPER AND TIE BAR GUIDE PLACEMENT. DIMENSION "D" HAS THE SAME ORIGIN AS B AND C DIMENSIONS IN FIG. 1
2. B AND C DIMENSIONS ARE CONFIGURED TO GIVE SEQUENTIAL AND PROGRESSIVE LOCKING STARTING WITH THE BOTTOM LOCKING POINT.

## MAXIM ${ }^{\ominus}$ MULTI-POINT \& SINGLE POINT LOCKING SYSTEMS

FIG. 7 TIE BAR GUIDE


RECOMMENDED SCREWS:
WOOD/PVC/METAL: 2-\#8 PHILLIPS,PAN HEAD,SST
SCREWS (LENGTH AND THREAD TYPE
TO BE DETERMINED BY PROFILES)

| PART \# |  |  | $G$ | $H$ | SEE FIG. 1 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | INTERLOCK ROLLER | $\begin{gathered} \text { CONE } \\ \text { ROLLER } \end{gathered}$ |  |  |  |
| 40823 | 0.333 | 0.400 | 0.010 | 0.219 | 0.765 |
| 45145 | 0.333 | 0.400 | 0.010 | 0.316 | 0.862 |
| 45148 | 0.333 | 0.400 | 0.010 | 0.398 | 0.944 |
| 40862 | 0.333 | 0.400 | 0.010 | 0.466 | 1.012 |
| 40726 | 0.333 | 0.400 | 0.010 | 0.493 | 1.039 |
| 45143 | 0.333 | 0.400 | 0.010 | 0.619 | 1.165 |
| 40856 | 0.333 | 0.400 | 0.010 | 0.759 | 1.305 |
| 45134 | 0.358 | 0.425 | 0.035 | 0.699 | 1.245 |
| 45194 | 0.363 | 0.430 | 0.040 | 0.375 | 0.921 |
| 45152 | 0.363 | 0.430 | 0.040 | 0.628 | 1.174 |
| 45157 | 0.367 | 0.434 | 0.044 | 0.636 | 1.182 |
| 45172 | 0.383 | 0.450 | 0.060 | 0.369 | 0.915 |
| 40847 | 0.386 | 0.453 | 0.063 | 0.501 | 1.047 |
| 45123 | 0.389 | 0.456 | 0.066 | 0.291 | 0.837 |
| 45260 | 0.411 | 0.478 | 0.088 | 0.278 | 0.824 |
| 45363 | 0.412 | 0.479 | 0.089 | 0.531 | 1.077 |
| 45128 | 0.420 | 0.487 | 0.097 | 0.601 | 1.147 |
| 45124 | 0.431 | 0.496 | 0.108 | 0.589 | 1.135 |
| 45139 | 0.431 | 0.498 | 0.108 | 0.652 | 1.198 |
| 45224 | 0.437 | 0.504 | 0.114 | 0.201 | 0.747 |
| 45144 | 0.422 | 0.509 | 0.119 | 0.617 | 1.163 |
| 45198 | 0.443 | 0.510 | 0.120 | 0.462 | 1.008 |
| 45151 | 0.466 | 0.533 | 0.143 | 0.549 | 1.095 |
| 45365 | 0.467 | 0.534 | 0.144 | 0.473 | 1.019 |
| 45150 | 0.471 | 0.538 | 0.148 | 0.671 | 1.217 |
| 45300 | 0.477 | 0.544 | 0.154 | 0.394 | 0.940 |
| 45318 | 0.482 | 0.549 | 0.159 | 0.276 | 0.822 |
| 45222 | 0.491 | 0.558 | 0.168 | 0.356 | 0.902 |
| 40635 | 0.492 | 0.559 | 0.169 | 0.552 | 1.098 |
| 45195 | 0.493 | 0.560 | 0.170 | 0.471 | 1.017 |
| 45147 | 0.496 | 0.563 | 0.173 | 0.523 | 1.069 |
| 45130 | 0.496 | 0.563 | 0.173 | 0.545 | 1.091 |
| 40837 | 0.496 | 0.563 | 0.173 | 0.646 | 1.192 |
| 40910 | 0.502 | 0.569 | 0.179 | 0.324 | 0.870 |
| 45137 | 0.515 | 0.582 | 0.192 | 0.631 | 1.177 |
| 45141 | 0.526 | 0.593 | 0.203 | 0.582 | 1.128 |
| 45248 | 0.539 | 0.606 | 0.216 | 0.394 | 0.940 |
| 31374 | 0.539 | 0.606 | 0.216 | 0.454 | 1.000 |
| 31289 | 0.552 | 0.619 | 0.229 | 0.556 | 1.102 |
| 45177 | 0.583 | 0.650 | 0.260 | 0.375 | 0.921 |
| 45140 | 0.583 | 0.650 | 0.260 | 0.462 | 1.008 |
| 45209 | 0.597 | 0.664 | 0.274 | 0.527 | 1.073 |
| 41604 | 0.637 | 0.704 | 0.314 | 0.281 | 0.827 |
| 45329 | 0.491 | 0.558 | 0.168 | 0.356 | 0.902 |

FIG. 821600 SUPPORT PLATE


RECOMMENDED SCREWS:
2-P/N 19298 \#10-24 X 9/16 PH PAN HEAD THREAD FORMING MACHINE SCREW

FIG. 1021709 SPACER


NOTE: FOR USE ON SINGLE WALL PROFILE OR WHEN ADDED SPACE IS NEEDED FOR THE BAR OR KEEPER CLEARANCE

FIG. 921710 SUPPORT PLATE


RECOMMENDED SCREWS:
2-P/N 19298 \#10-24 X 9/16 PH PAN HEAD THREAD FORMING MACHINE SCREW

FIG. 1123050 OFFSET SUPPORT PLATE


2-P/N 19298 \#10-24 X 9/16 PH PAN HEAD THREAD FORMING MACHINE SCREW

NOTE: FOR USE ON SINGLE WALL PROFILES

FIG. 1231964 NON-HANDED INTERLOCK KEEPER


RECOMMENDED SCREWS:
COMPATIBLE WITH INTERLOCK TIE BARS
(QYT 2)-\#8 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE TO BE DETERMINED BY PROFIOLE)

FIG. 13 KEEPER 31218 AND 31217 (FOR CONE ROLLER SYSTEM)


RECOMMENED SCREW:


WOOD/PVC/METAL: (QYT 2)-\#8 PHILLIPS, PAN HEAD, SST
SCREWS (LENGTH AND THREAD TYPE TO
BE DETERMINED BY PROFILE)

FIG. 14 ADJUSTABLE KEEPER (FOR INTERLOCK ROLLER SYSTEM)
RECOMMENDED SCREWS:
WOOD/PVC/METAL: (QTY 2) \#8 PHILLIPS, PAN HEAD, SST SCREWS (LENGTH AND THREAD TYPE
DETERMINED BY PROFILE)

| KEEPER NUMBER |  | K |
| :---: | :---: | :---: |
| RH | LH |  |
| 40684 | 40685 | 0.278 |
| 40724 | 40725 | 0.331 |
| 40773 | 40774 | 0.228 |
| 40709 | 40710 | 0.371 |

FIG. 1540928 (LH) AND 40929 (RH) KEEPER USE WITH INTERLOCK TIE BARS USE WITH INTERLOCK TIE BARS


FIG. 1631647 (LH) AND 31648 (RH) KEEPER


FIG. 1740970 NON-HANDED KEEPER
USE WITH CONE TIE BARS


RECOMMENDED SCREWS:
WOOD/PVC/METAL: (QTY 2) \#8 PHILLIPS, FLAT HEAD
SCREWS (LENGTH AND THREAD TYPE
TO BE DETERMINED BY PROFILE)


FIG. 1831770 (RH) AND 31771 (LH) KEEPER USE WITH CONE TIE BARS


NOTES:


RECOMMENDED SCREWS:


WOOD/PVCIMETAL: (QTY 2) \#8 PHILLIPS, FLAT HEAD
SCREWS (LENGTH AND THREAD TYPE TO
BE DETERMINED BY PROFILE)

FIG. 1931583 (RH) AND 31584 (LH) KEEPER USE WITH CONE TIE BARS


RECOMMENDED SCREWS:
WOOD/PVC/METAL: (QTY 2) \#8 PHILLIPS, FLAT HEAD
SCREWS (LENGTH AND THREAD TYPE TO
BE DETERMINED BY PROFILE)

## MAXIM ${ }^{\oplus}$ MULTI-POINT \& SINGLE POINT LOCKING SYSTEMS

FIG. 2031414 (RH) AND 31415 (LH) KEEPER (USE WITH CONE TIE BARS)


WOOD/PVC/METAL: (QTY 2) \#8 PHILLIPS, PAN HEAD
SCREWS (LENGTH AND THREAD TYPE

FIG. 21 KEEPERS 21087, 21088 AND 21089


| KEEPER <br> NO. | E | F |
| :--- | :---: | :---: |
| 21087 | $.375(9.5 \mathrm{~mm})$ | $4.735(120.3 \mathrm{~mm})$ |
| 21088 | $.500(12.7 \mathrm{~mm})$ | $4.647(118.0 \mathrm{~mm})$ |
| 21089 | $.562(14.3 \mathrm{~mm})$ | $4.593(116.7 \mathrm{~mm})$ |
| 21325 | $.688(17.5 \mathrm{~mm})$ | $4.647(118.0 \mathrm{~mm})$ |

RECOMMENDED SCREWS:
WOOD/PVC/METAL: 2 - \#10 PHILLIPS, PAN HEAD,
SST SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

FIG. 22 KEEPERS 31376 AND 31384
(WITH POSITIVE PICK-UP TAB)
NOTE:
CANNOT BE USED IN TIE BAR APPLICATIONS.


| KEEPER <br> NO. | E | F |
| :--- | :---: | :---: |
| 31376 | $.590(15.0 \mathrm{~mm})$ | $4.593(116.7 \mathrm{~mm})$ |
| 31384 | $.373(9.5 \mathrm{~mm})$ | $4.735(120.3 \mathrm{~mm})$ |

RECOMMENDED SCREWS:
WOOD/PVC/METAL: 2 - \#10 PHILLIPS, PAN HEAD,
SST SCREWS (LENGTH AND
THREAD TYPE DETERMINED BY PROFILE)

