



Key Locking Latch Selection

Keyed Quarter turn latches comprise two parts:

- Housing with key cylinder, the choices are Zinc alloy either chrome plated or with a black powder coating, polyamide (nylon) or a 316 stainless version of the 1048-U1. A NEMA 4 – IP65 version is available upon request; a flat seal (1000-23) is needed. The cylinder can be keyed alike, random different keys or master keyed ([Web Site\Latches\Master Key.pdf](#))
- Cam, the offset of which is selected by “H” dimension required (the perpendicular distance between the outside face of the door and the latching point) with reference to the housing length (18mm).





1. Select type

- Standard size – widest grip range, most options, best value, see catalog page 1B-420
- Small (1022) – fewer cams and other options, good for very small enclosures. (1A-140)

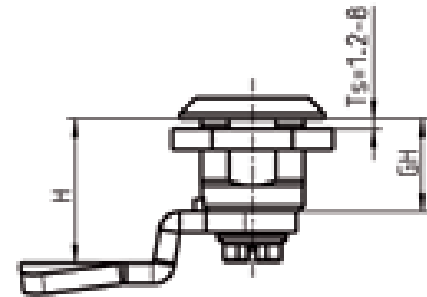
2. Select Material – for more info see “web site\materials.doc”

- Zinc Alloy, low cost with good strength, both chrome plated and powder coated are fine for most outdoor applications
- Stainless, for corrosion resistance or strength (316 for marine use)
- Glass reinforced polyamide (nylon) for low cost and corrosion resistance. Use short cams (on page 1B-160) to reduce stress.



For Standard Size

3. Cam – Calculate the required “H” dimension and note the “GH” number of selected latch (18 mm)
 - Go to page 1C-120, this is divided into three vertical sections for the three types of cam pictured. The cams in the left section allow an assembled latch to be inserted into the cut out, so these are used most often.
 - Look down the left column to the required “H” look across to the relevant “GH” column (usually 18mm), this is the P/N you need.





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- The keys are not designed for three point latching. If this is required use the latch [here](http://www.emka.com/no_cache/us_en/products/details/catalog/quarter-turns-4/standard-3/safety-quarter-turn-8.html?tx_ritemkacatalog_pi1[showSpecial]=PDFPreview) ([http://www.emka.com/no_cache/us_en/products/details/catalog/quarter-turns-4/standard-3/safety-quarter-turn-8.html?tx_ritemkacatalog_pi1\[showSpecial\]=PDFPreview](http://www.emka.com/no_cache/us_en/products/details/catalog/quarter-turns-4/standard-3/safety-quarter-turn-8.html?tx_ritemkacatalog_pi1[showSpecial]=PDFPreview))

For Small size

See Page 1A-160 [http://www.emka.com/no_cache/us_en/products/details/catalog/quarter-turns-4/small-and-medium-3/cylinder-quarter-turn-small-version.html?tx_ritemkacatalog_pi1\[showSpecial\]=PDFPreview](http://www.emka.com/no_cache/us_en/products/details/catalog/quarter-turns-4/small-and-medium-3/cylinder-quarter-turn-small-version.html?tx_ritemkacatalog_pi1[showSpecial]=PDFPreview)

- Master key system is not available
- Suitable for light duty applications



7. Ordering (Standard Size)

- Example for a chrome plated zinc latch keyed alike and a cam to give an “H” of 24 mm, the P/Ns would be:
- 1048-U6 (latch)
- 1000-14(Cam)

To have EMKA assemble the latch add line item 1000-991