

HD SERIES - SPECIFICATION DATA SHEET 4.1



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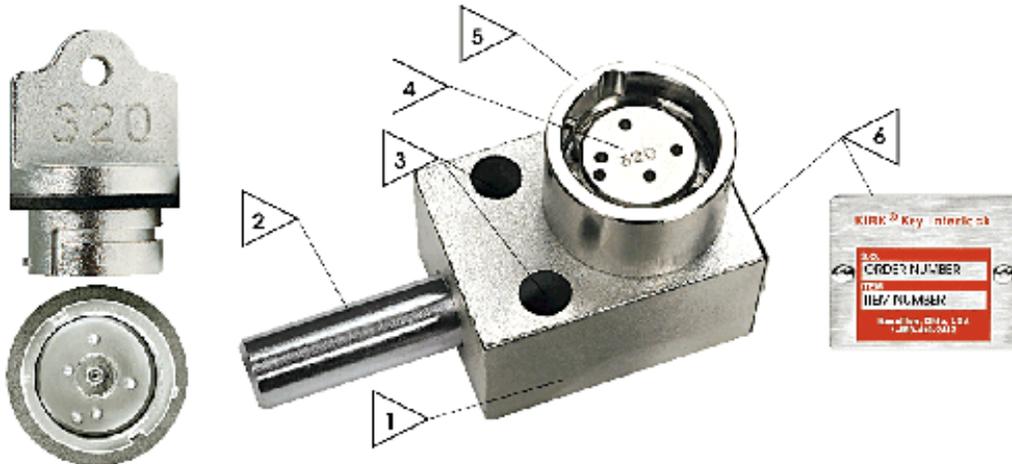
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KIRK® Key Interlock Terminology



NOTES:

- | | |
|-------------------|--------------------------------|
| 1) Housing | 4) Cylinder Combination Number |
| 2) Locking Bolt | 5) Lock Cylinder |
| 3) Mounting Holes | 6) Nameplate |

What is a key interlock?

A key interlock is a safety device applied to two or more moveable parts, preventing (or allowing) a movement or operation of one part only when another part is locked in a predetermined position. KIRK® key interlocks operate on the principle that the key can be removed only when the locking bolt is in a predetermined position.

Important information required when ordering key interlocks:

- Which lock type will physically fit on each device in your application?
- How is the interlock scheme to work - what is the equipment sequence and various scenarios (if any)?
- What locking bolt length is required? Note: locking bolts are referenced in their withdrawn position and always extend 3/4" when the key is turned.
- How many lock cylinders are required and what are the key removable positions?
- What is the name and location of the ultimate user of the interlocks? Kirk Key Interlock Company assigns key cylinder numbers based on this information and records that information for each ultimate user.
- Is coordination with other interlocks required? If so, are the other interlocks existing interlocks or will another manufacturer or contractor order interlocks for coordination?



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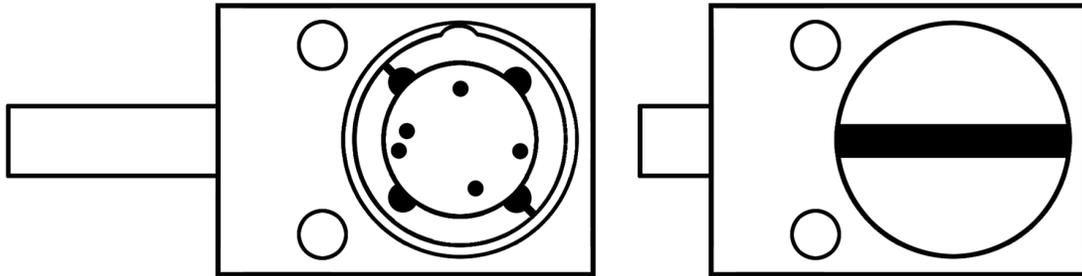
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KIRK® Key Interlock Terminology Single Cylinder Interlocks



The drawing above shows a single cylinder Type F interlock with key removable extended (E). When the locking bolt is extended, the key is released. When the locking bolt is withdrawn, the key is trapped.

A cylinder designated key removable "E" will release the key when the locking bolt is in the extended position. This is by far the most common single cylinder interlock. A cylinder designated key removable "W" will release the key when the locking bolt is in the withdrawn position. This is less common and only seen under unique circumstances.

Key removable positions for multi-cylinder interlocks are shown on the following pages.



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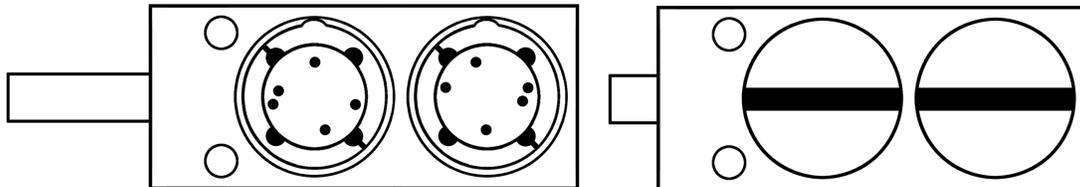
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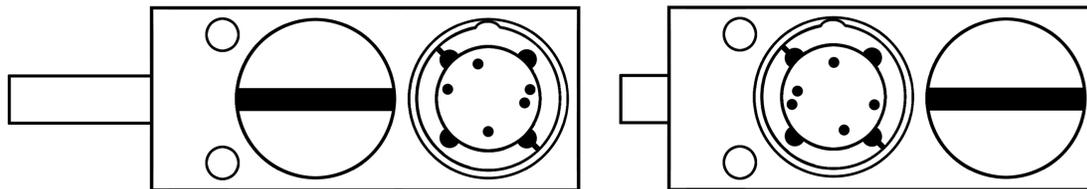
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KIRK® Key Interlock Terminology Two Cylinder Interlocks



The drawing above shows a two cylinder Type F interlock with keys removable extended (EE). When the locking bolt is extended, both keys are released. When the locking bolt is withdrawn, both keys are trapped.



The drawing above shows a two cylinder Type F interlock with keys removable (WE). When the locking bolt is extended, the key closest to the locking bolt is trapped and the key farthest from the locking bolt is released. When the locking bolt is withdrawn, the key nearest to the locking bolt is released and the key farthest from the locking bolt is trapped.

When extending the the locking bolt of a multi-cylinder HD Series interlock, turn the key nearest the locking bolt first. When withdrawing the locking bolt, turn the key farthest from the locking bolt first. All keys must be inserted and turned in sequence.



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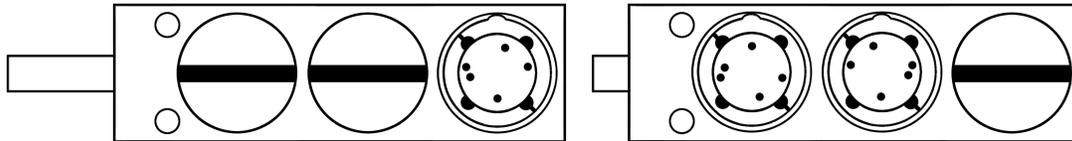
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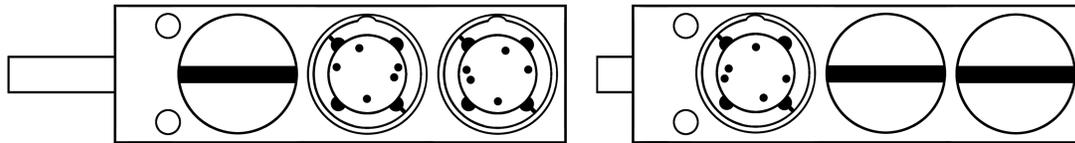
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KIRK® Key Interlock Terminology Three Cylinder Interlocks



The drawing above shows a three cylinder Type F interlock with keys removable (WWE). When the locking bolt is extended, the two keys closest to the locking bolt are trapped and the key farthest from the locking bolt is released. When the locking bolt is withdrawn, the keys closest to the locking bolt are released and the key farthest from the locking bolt is trapped.



The drawing above shows a three cylinder Type F interlock with keys removable (WEE). When the locking bolt is extended, the key closest to the locking bolt is trapped and the keys farthest from the locking bolt are released. When the locking bolt is withdrawn, the key closest to the locking bolt is released and the keys farthest from the locking bolt are trapped.

When extending the the locking bolt of a multi-cylinder HD Series interlock, turn the key nearest the locking bolt first. When withdrawing the locking bolt, turn the key farthest from the locking bolt first. All keys must be inserted and turned in sequence.