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DIRAK is a global designer, manufacturer and distributor of innovative, high quality system solutions for latching, hinging and profile technology.

(continued from front page)



There are many ways that snap fasteners could be used for the assembly of sheet metal furniture, but the book also offers two approaches for snap joining to softer materials such as wood or plastic. One would be to use an "indirect snap fastener." In this scheme, an elongated hole is sunk into the carrier material, which receives an insert from the back. This has two offsets into which the wings of the snap fastener can go, and a large base on the back to distribute pressure and tension to prevent its being pulled out. The device to be snapped in is then inserted from the front.

The alternative strategy would be to use what is termed a "direct snap fastener," with a securing

screw for the sheet metal or other part to be attached. The snap element would have serrated wings. After insertion into the installation opening in the soft substrate, the securing screw would be tightened so as to push the serrations into the carrier material. These could be used with both open and blind holes. Variations in hole sizes would be accommodated by the use of the securing screw.

DIRAK believes that its technology could be safely used to join scaffolding poles as a more secure alternative to screws and nuts. It is also possible to connect beams using D•SNAP Technology, and to connect panels to beams giving a folded edge to a panel to provide a hinge effect and removable snap joiners to secure the free side.



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# DIRAK® options!

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## Armin's Annotations

May was a very exciting month for us here in the US. May 16th marked our Open House Event to celebrate the opening of our new US and Canadian Headquarters. It was a huge success attracting customers, suppliers, our employees and families and the press. The week concluded with our 2007 National Sales Meeting attended by our Global Senior Management Team and our US and Canadian Sales Representatives. Several new products were unveiled which demonstrates our on-going commitment to bringing the latest product innovations to our customers.

In this issue of DIRAK OPTIONS we are highlighting a recently published article featuring the potential applications of SNAP-LINE products and new products recently introduced for your market.

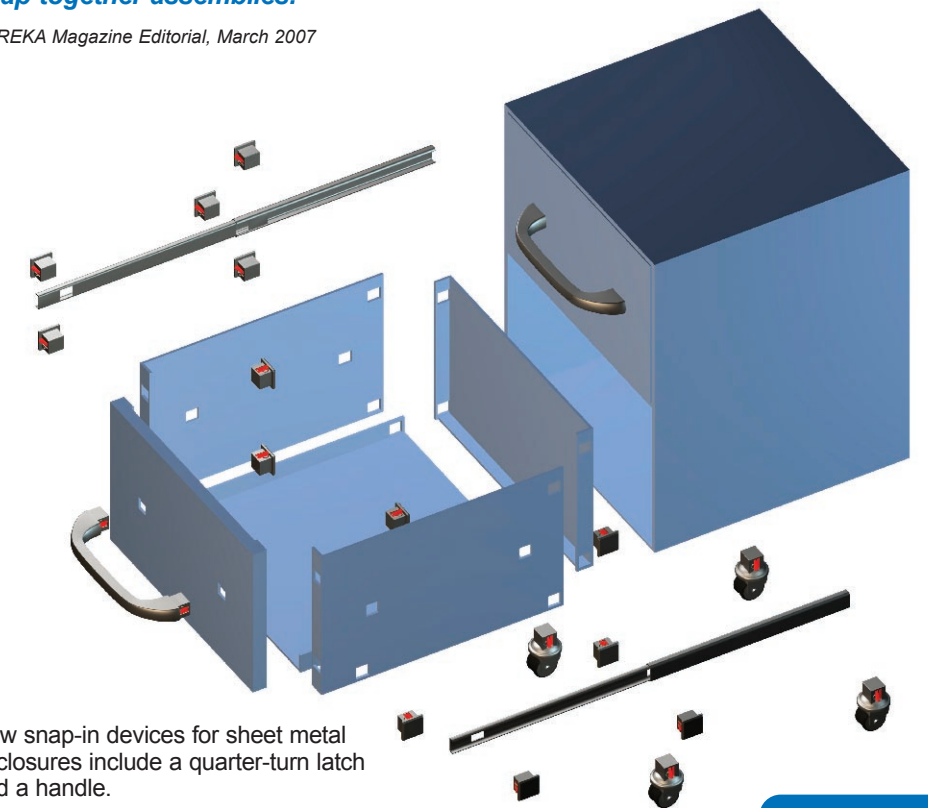
Best Regards,

Armin Fink  
DIRAK, Inc.

## SNAP TO IT FOR FAST ASSEMBLY

Tom Shelley of EUREKA Magazine reports on some clever innovations in snap-together assemblies.

EUREKA Magazine Editorial, March 2007



New snap-in devices for sheet metal enclosures include a quarter-turn latch and a handle.

The advantages of the SNAP-LINE series from DIRAK, whose development we described in the March 2006 edition of the magazine, are that provided a suitably shaped hole has been stamped out, they only take a moment to insert, but are then more securely attached than many products that require the use of self tapping screws.

A quarter-turn latch for a 32 x 20mm cut out and a new bowed handle are just two of the products recently unveiled by DIRAK. According to marketing manager Udo Kemper: "The latch is designed to be flush with the front surface of the door and snaps into a rectangular hole with two side lobes, which ensures that it cannot be turned around."

At the same time, DIRAK has brought out a free, pocket sized 82 page guide book, with a chapter at the back about some new application areas for the technology which, it says, are "realistic but not yet finalized". For example, a handle or other device could be snapped to a tube by using an adaptor that is curved to match the tube on the outside and flat on the reverse side or shaped to match whatever is being snapped into it. The book also suggests snapping devices onto T-channel frames.

## Highlights

- New SNAP-LINE products for sheet metal enclosures are constantly being developed.
- New ideas include ways of snap fastening to softer materials such as wood and plastic.
- It may even be possible to devise a snap-together technology to fasten scaffolding poles.

(continued on back page)

## New flush design stainless steel swinghandle

DIRAK, now offers a new, flush design stainless steel swinghandle for applications where corrosion resistance is important. From the inside, the internal components of the swinghandle are protected by a stainless steel, screw-on cap. From the outside, the locking cylinder is protected by a stainless steel dust cover to prevent dirt, moisture and other elements from damaging the locking mechanism. This stainless steel swinghandle can be used with 3-point latching systems for larger enclosure doors and meets IP65 standards for water and dust resistance.



The flush design of this stainless steel swinghandle and the tight gap between the handle and its housing offers protection from the threat of vandalism. Pry points have been minimized and the flushness of the swinghandle makes it difficult to use as a climbing aid.

In this design, the locking cylinder and handle are separate mechanisms, with the locking cylinder being installed in the housing of the latch. The swinghandle is secured by a force fit, hook-catch combination to relieve the strain on the cylinder's locking cam. The slam to close function of the swinghandle allows the handle to be pushed closed in the open position as well as when the key is removed.

Applications for this flush design stainless steel swinghandle are broad. It is ideal in any application where the swinghandle is exposed to outdoor elements or in corrosive environments such as in the wash-down food and medical equipment industries.

## DIRAK E-LINE BASIC

### New electro-mechanical swinghandle integrates into existing security systems

As part of its E-LINE electro-mechanical swinghandles, DIRAK introduces the E-LINE BASIC series to monitor access to a server cabinet. The E-LINE BASIC offers a flexible interface that enables the handle to be integrated into existing security systems. In addition, the E-LINE BASIC can be used with a number of user interface options to give an even higher level of security. Interface options include biometric systems and RFID readers. This allows the handle to be an integral part of a modern and secure locking and monitoring system.

The E-LINE BASIC transmits the current status of the handle (locked/unlocked) to the existing security system. This allows the operator to access from their main security system a status overview of the BASIC swinghandle in real-time. In addition, the E-LINE BASIC has built-in safety functions to protect the swinghandle's locking solenoid from generating too much heat, even when there is a failure to the main system. Its compact and modular design allows for easy installation in a variety of cabinet types and it uses the same panel preparation as other swinghandles, making upgrades simple.

Specific features of the E-LINE BASIC include:

- Flexibility in the adaptation to existing security systems
- Integrated protection from too much heat build-up
- Status LED
- Status transmission to show if the swinghandle is locked/unlocked
- Modular design

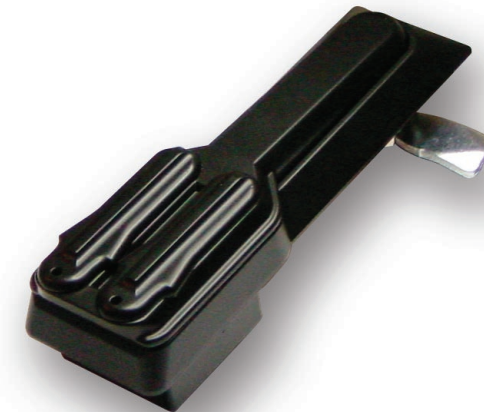


## New dual cylinder swinghandle protects enclosures from threat of vandalism

DIRAK, a global innovator in latches, locks, handles and hinges, has further expanded its extensive swinghandle offering to include a new, dual cylinder swinghandle, designed to protect the internal components of electronic cabinets from the threat of vandalism in outdoor enclosure applications. The robust design of this new swinghandle offers several anti-vandalism features including: a surrounding reinforced edge around the perimeter of the swinghandle, a reinforcing bar in the housing that makes it impossible to pry the handle open from the front, a tight gap between the handle and its housing which reduces the chance that the swinghandle can be pried open, and a product made from zinc die cast and stainless steel along with a zinc die cast rear cap and a reinforced cylinder cover. An optional metal guard is also available to protect the handle from tampering. These features allow the dual cylinder swinghandle to meet analog DIN 1630 standards.

The swinghandle is equipped with dual lock cylinders and can be opened by operating either one of the lock cylinders independent from the other. This is ideal for applications where two users with different keys require access to the same cabinet, an application situation common in outdoor power distribution and telecommunications enclosures. Variable key codes are also available. The slam to close function of the swinghandle allows the handle to be closed and locked even when the key is removed.

The dual cylinder swinghandle meets both IP65 and EN 60529 standards for water and dust resistance.



## Thank You!

A sincere thank you to all our guests who attended the DIRAK OPEN HOUSE to celebrate the opening of our new US and Canadian Headquarters. Attendees enjoyed traditional German and American food and toured the facility which included the Application Lab and expanded warehouse facility. DIRAK's Founder and President Dieter Ramsauer was also present to reiterate DIRAK's commitment to providing world-class service and innovative products.



DIRAK's Founder and President Dieter Ramsauer with wife Mildred Ramsauer.

DIRAK VP US Sales and Marketing Armin Fink, with wife Iris and daughter Nina.



DIRAK VP US Sales and Marketing Armin Fink with Allen Schweriner of Handy Tech Group.

DIRAK's Founder and President Dieter Ramsauer with Warren Nelson of Handy Tech Group.

