

2 X-LOCK™ QUICK HITCHES

KINSHOFER
crane and excavator attachments



X-LOCK™ QUICK HITCHES



2

X-LOCK™ QUICK HITCHES

The **KINSHOFER** X-LOCK™ Quick hitch provides a safe exchange of attachments. After the operator's intended release of the safety knuckle, the attachment can be unlocked completely from the X-LOCK™ Quick hitch. To retract the safety knuckle, the operator manually activates the switch, thus opening for 5 to 10 seconds (adjustable) to uncouple the attachment.

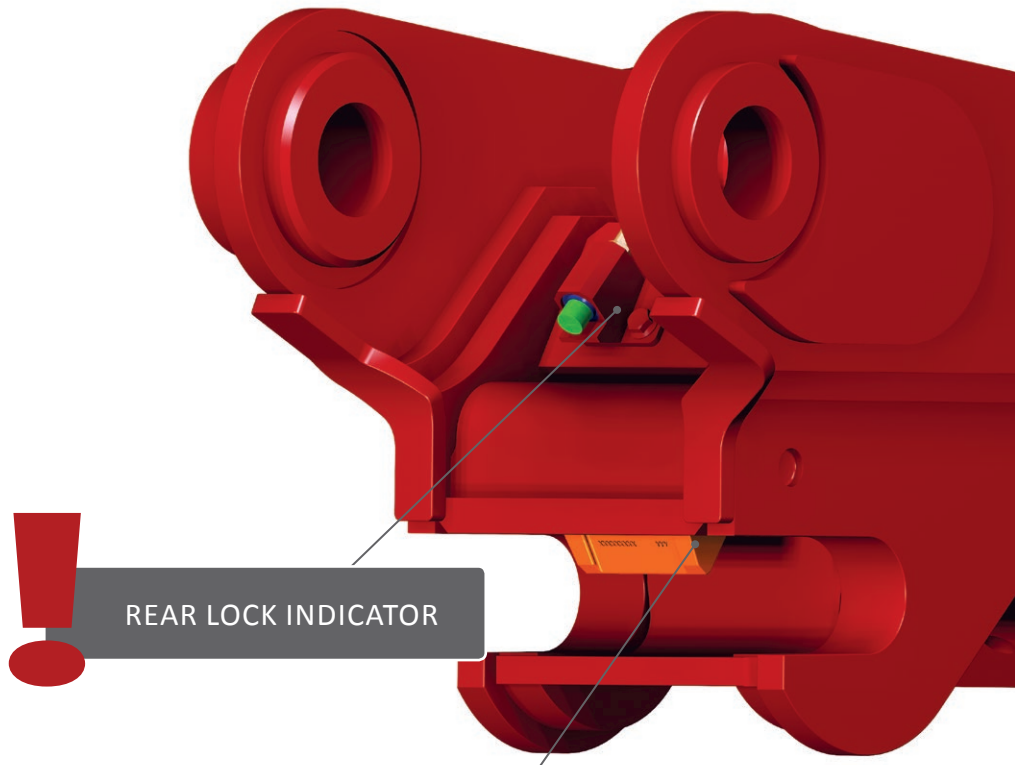
The wedge locking principle of the self-locking wedge provides a 2 ½ fold locking force compared to a pendular jaw quick hitch. Furthermore, the constantly applied working pressure continuously readjusts the wedge. It guarantees the firm positioning of both pins against the quick hitch, additionally minimizing the wear - in the locking area of your quick hitch.

! **IMMEDIATE** - The X-LOCK™ Safety Knuckle automatically engages onto the front pin without the need to activate the locking wedge.

! **INDEPENDENT** - The self-adjusting wedge is controlled by the operator.

! **INNOVATIVE** - After the X-LOCK™ is uncoupled from the attachment and an operator determined delay, the safety knuckle will return to the safe position.

! **COMPLIANT** - The X-LOCK™ features an indicator ensuring the operator that the quick hitch is correctly locked. It complies with the safety standard for attachments EN 474-1.



REAR LOCK INDICATOR



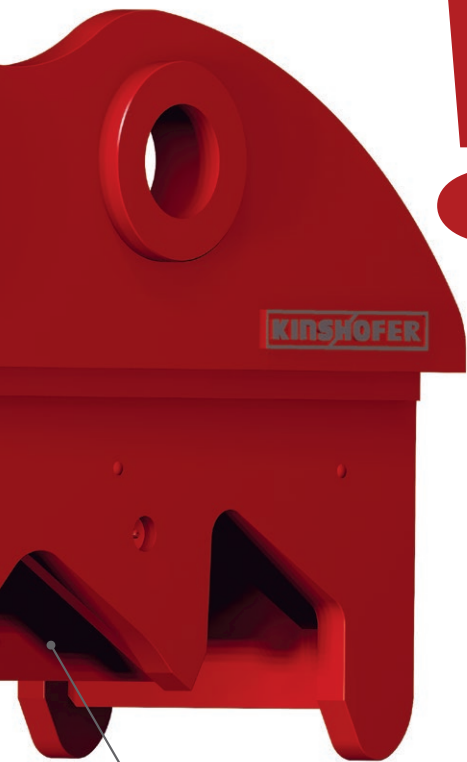
X-LOCK™ SAFETY KNUCKLE

The safety knuckle engages immediately and automatically onto the front pin using a 'Patent-Pending' design that can only be released by the operator.



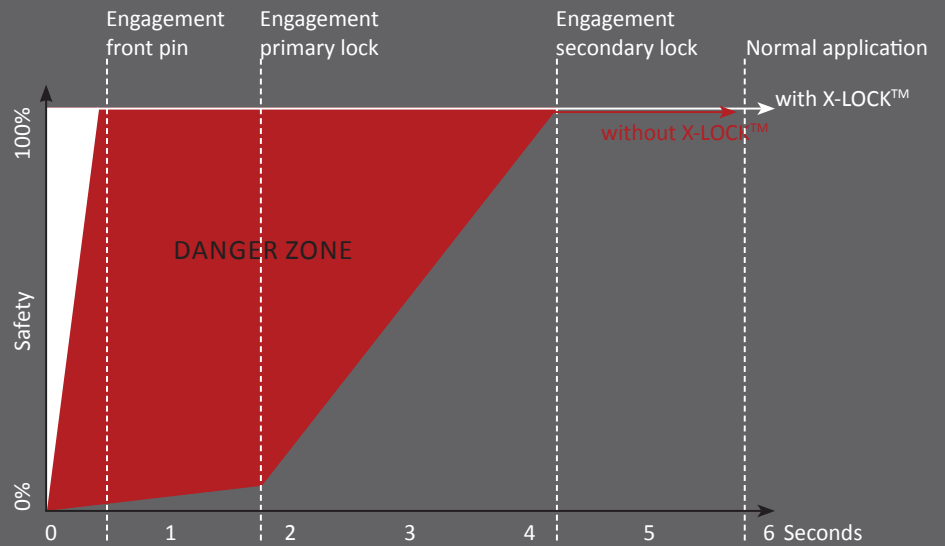
Simple and safe installation and operation comes from the need for only two hydraulic hoses to operate the both circuits of the coupler, and the solenoid valve which must be energized to release the attachment. This will ensure that in the event of an electrical failure the primary locking mechanism will stay in the locked position.





! Greatest **SAFETY** due to separately controlled locking devices. The operator has to unlock the self-locking wedge as well as the X-LOCK™ safety knuckle separately to change the attachment.

! Most serious accidents happen within the first 5 seconds of latching - major reduction with X-LOCK™ Quick hitches



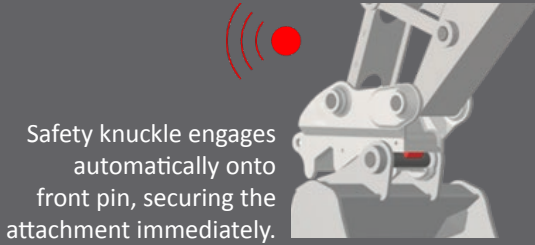
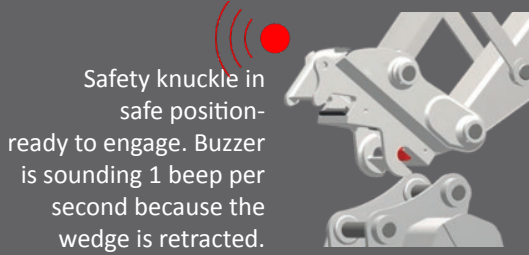
SELF-ADJUSTING WEDGE

Integral with the solenoid operated directional control valve are 2 pressure relief valves set to: Locking pressure – 120 bar and unlocking pressure – 240 bar. These ensure that the hydraulic circuit is not over pressurized.

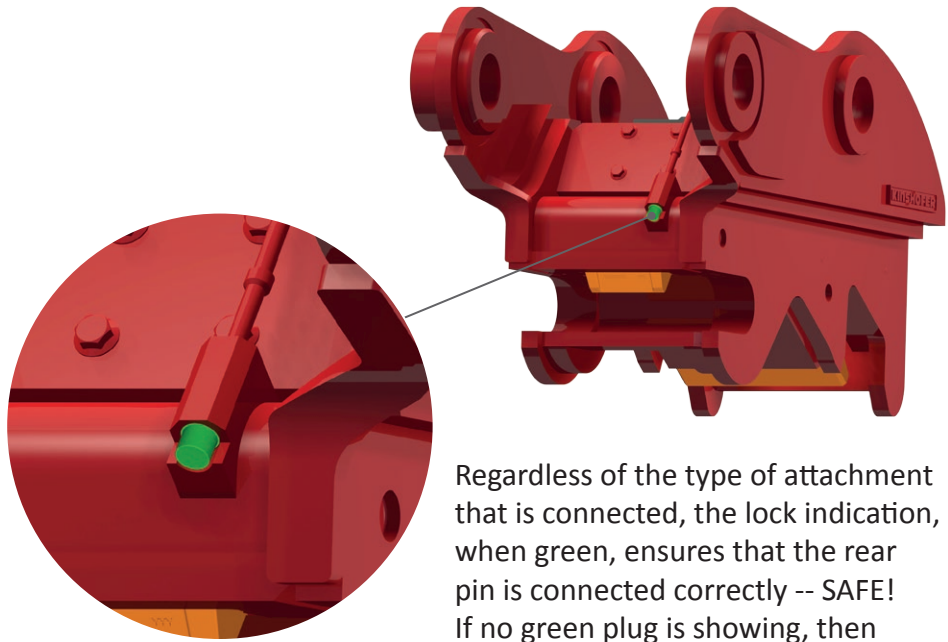
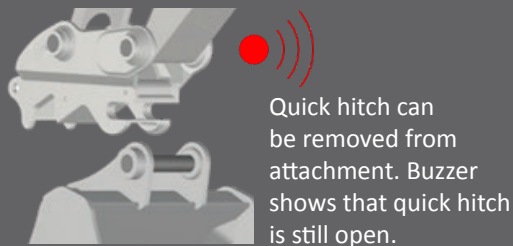
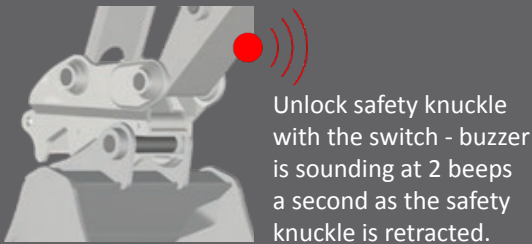
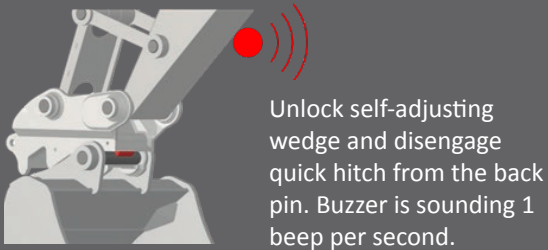


X-LOCK™ Quick hitch to the attachment

Connect



Disconnect



Regardless of the type of attachment that is connected, the lock indication, when green, ensures that the rear pin is connected correctly -- SAFE! If no green plug is showing, then either the wedge is not extended fully or it has not captured the back pin -- UNSAFE!
Meets EN474-1 requirements.

Couplers available at **KINSHOFER**

- Hydraulic X-LOCK™ Pin-to-Pin
3T – 50T Multi-Model
2.5T-100T OEM/Custom Specific
- Hydraulic X-LOCK™ S-Style Nordic Style
1T-35T OEM/Custom Specific
- Tilt or Tilt-Rotation Hydraulic X-LOCK™ Couplers
3T-20T
- Mechanical Pin-to-Pin
1T-50T



Attachments available at **KINSHOFER** to pair with the X-LOCK™ Quick hitches

- Buckets (GP, HD, for rocks, ditch-cleaning, etc.)
- Rippers
- Rakes
- Mechanical grabs
- Other earthmoving and landscaping products like compactor plates, skeleton buckets, asphalt cutters
- As well as a wide variety of attachments for demolition and recycling and railroad attachments.





Hauptsitz Deutschland:

KINSHOFER GmbH
 Hauptstrasse 76
 83666 Waakirchen
 Tel.: +49 (0)8021 – 88 99 0
 Fax: +49 (0)8021 – 88 99 37
 Email: info@kinshofer.com

United Kingdom:

KINSHOFER UK Ltd.
 4 Milton Industrial Court
 Horsfield Way, Bredbury
 Stockport, Cheshire, SK6 2TA
 Tel.: +44 (0)161 – 406 7046
 Fax: +44 (0)161 – 406 7014
 Email: sales@kinshofer.co.uk

France:

KINSHOFER France S.A.R.L.
 B.P. 20100
 F-67213 Obernai Cedex
 Tel.: +33(0) 3 88 39 55 00
 Fax: +33(0) 3 88 79 06 75
 Email: info@kinshofer.fr

Canada:

KINSHOFER North America
 5040 Mainway Drive, Unit #11
 Burlington, ON L7L 7G5
 Tel.: +1 (905) 335 2856
 Fax: +1 (905) 335 4529
 Toll Free (North America):
 1 (800) 268 9525
 Email: sales-northamerica@kinshofer.com

United States of America:

KINSHOFER USA
 6420 Inducon Drive
 Suite G
 Sanborn, NY, 14132
 Tel.: +1 (716) 731 4333
 Toll Free (North America):
 1 (800) 268 9525
 www.kinshofer.com

中国:

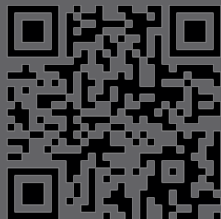
Darda **KINSHOFER** Construction
 Machinery Co. Ltd.
 Unit #306, Landmark Tower 2
 8 Dongsanhuan Road
 Beijing 100004
 Tel.: +86 (10) 6590 6422
 Fax: +86 (10) 6590 6423
 Email: info@darda.com.cn
 Website: www.darda.com.cn

Suomi:

KINSHOFER APONOX Oy
 Laajamäentie 1
 FI-13430 Hämeenlinna
 Tel.: +358 (0)75 7540 200
 Fax: +358 (0)75 7540 210
 Email: info@kinshofer-aponox.com
 Website: www.kinshofer-aponox.com

Sverige:

RF-System AB
 Furutorpsgatan 6
 SE-288 34 Vinslöv
 Tel.: +46 (0)44 817 07
 Fax: +46 (0)44 859 63
 Email: info@rf-system.se
 Website: www.rf-system.se



www.kinshofer.com



KINSHOFER
 is an ISO 9001 certified Company.
 DVS ZERT is a registered trademark
 of DVS ZERT e.V., Düsseldorf.

