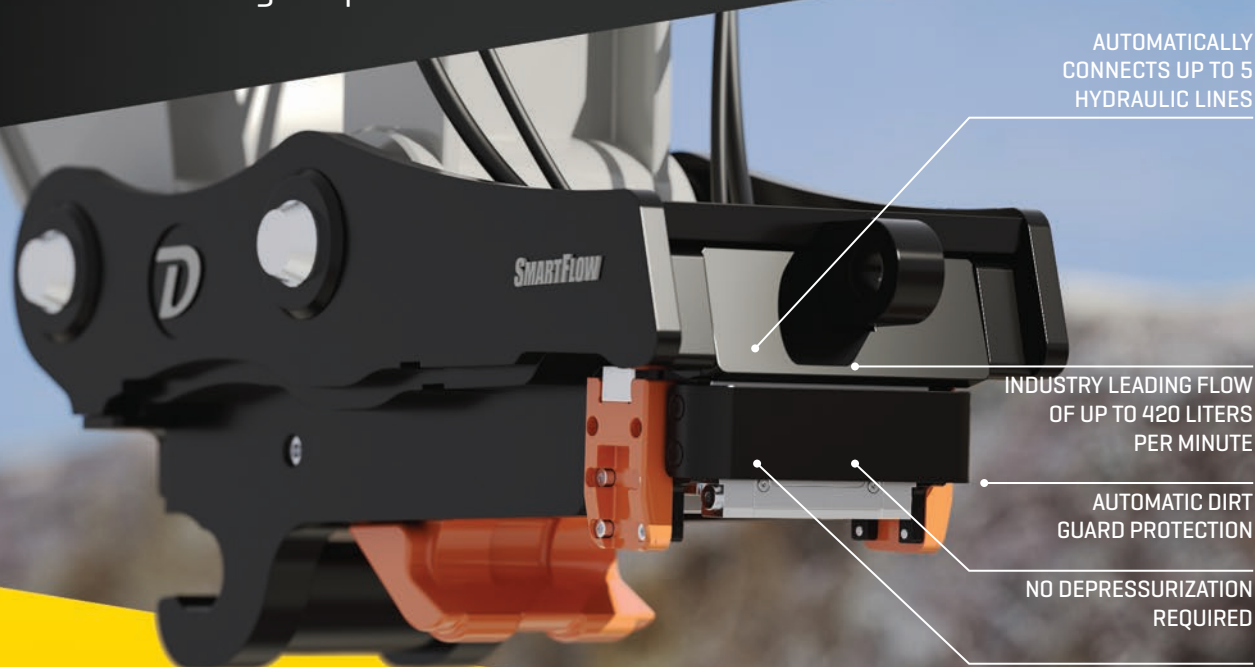


# SMARTFLOW

## D-Lock Quick Coupler

Introducing SmartFlow - a multi-functional, fully hydraulic quick coupler. With a universal valve bank, it provides maximum oil-flow, minimal maintenance and higher performance.



AUTOMATICALLY  
CONNECTS UP TO 5  
HYDRAULIC LINES

INDUSTRY LEADING FLOW  
OF UP TO 420 LITERS  
PER MINUTE

AUTOMATIC DIRT  
GUARD PROTECTION

NO DEPRESSURIZATION  
REQUIRED

SMARTFLOW INDEPENDENT  
LOCKING SYSTEM

Fitted standard to the world-leading D-Lock coupler, the SmartFlow automatically connects up to 5 hydraulic lines without exiting the cab, and has industry leading oil flow of up to 420 liters per minute. Designed to work with OEM attachments, the pin-to-pin coupler system features a dirt protection guard which automatically closes once an attachment is released, significantly reducing contamination and risk of damage. SmartFlow houses an independent locking system, and encourages operators to change implements providing increased time savings and a quick payback on investment.



UNIVERSAL VALVE BANK



OIL FLOW UP TO 420 LITERS PER MIN



DIRT PROTECTION GUARD

**SMARTFLOW IS AVAILABLE ON THE D-LOCK COUPLER, THE D-LOCK TILT COUPLER,  
ALL MAJOR COUPLING SYSTEMS, AND WITH THE NOX TILTROTATOR.**

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# NOX Tiltrotator

**With sizing available for 5t to 25t operating weight, the NOX is an exceptionally universal and multifunctional all-rounder.**

The cylinderless solution features a strong, compact design, and its patented tilting function is provided by the elliptic piston design with only one thread. Due to the closed system the risks of damage are reduced, and the tilting force is constant.

With less wear parts the NOX is extremely wear resistant and low maintenance.



NARROW WIDTH AND NO PROTRUDING PARTS

LOW OVERALL HEIGHT RESULTING IN A HIGH BREAKOUT FORCE

360° ENDLESS ROTATION AS WELL AS A TILT ANGLE OF 2 X 50°

ONLY TWO GREASING POINTS

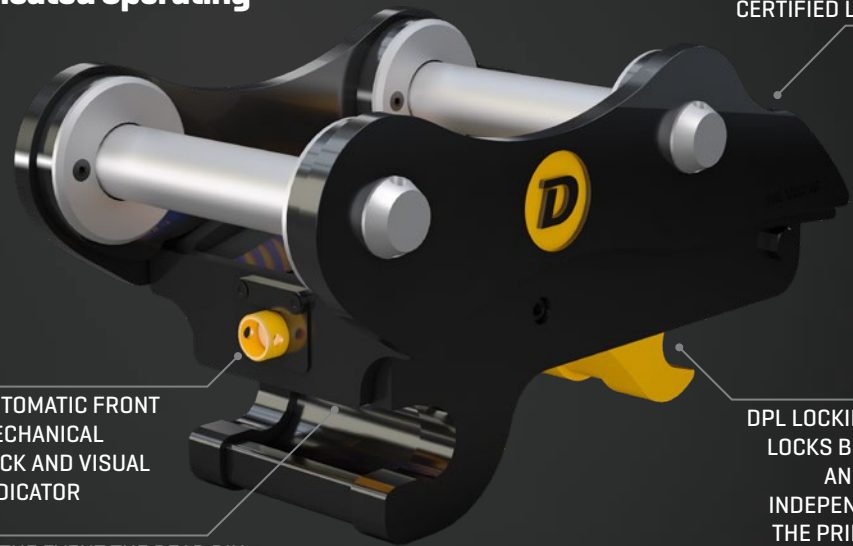
HYDRAULICS ARE INTEGRATED INTO THE SOLID CAST HOUSING

# D-Lock Coupler

**Compact in design with only two hoses, minimal moving parts, no greasing and no complicated operating sequence, the D-Lock Coupler is testament to our continuous focus on improvement.**

With the D-Lock's patented Dual Pin Locking (DPL) system, attachments remain securely engaged on both pins in the event of loss of engagement force. Its simple design, combined with world-leading safety features makes the D-Lock the safest coupler on the market today, and places it at the forefront of coupler performance worldwide.

Available for all machines from 3.5 to 120 tonnes, their compact design with minimal moving parts put them at the forefront of coupler performance worldwide. When safety is paramount demand the D-Lock Coupler.



CERTIFIED LIFTING EYE

AUTOMATIC FRONT MECHANICAL LOCK AND VISUAL INDICATOR

DPL LOCKING SYSTEM LOCKS BOTH FRONT AND REAR PIN INDEPENDENTLY OF THE PRIMARY LOCK

IN THE EVENT THE REAR PIN IS NOT ENGAGED, THE FRONT PIN REMAINS LOCKED

WIDE PIN CENTRE PICK UP RANGE