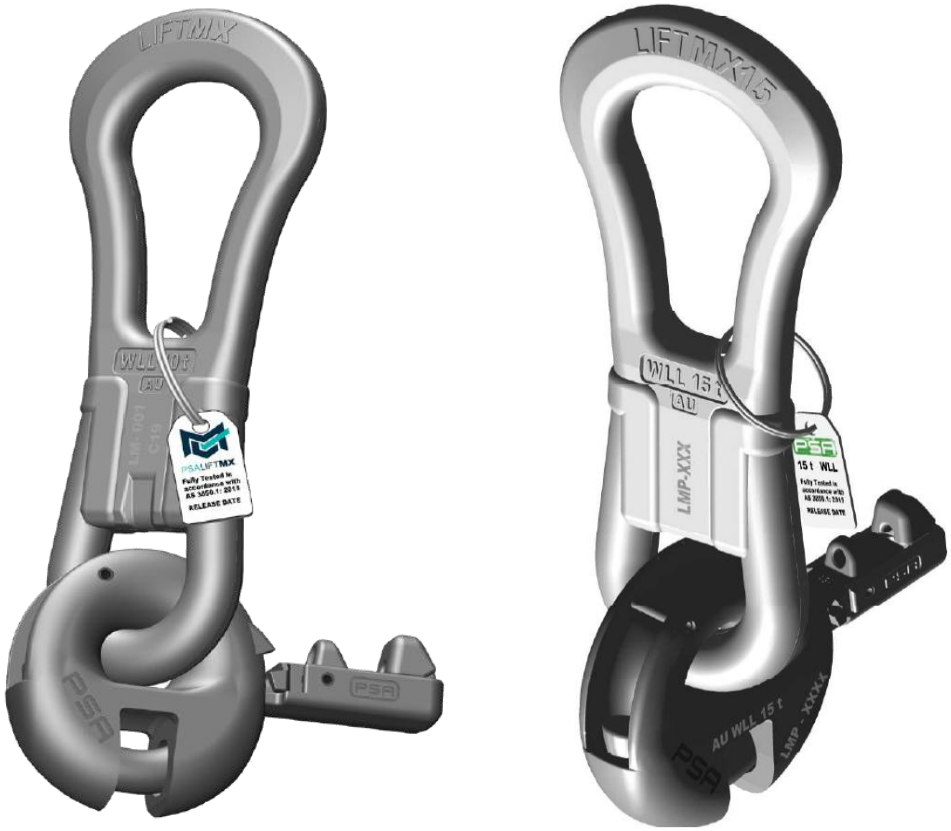


PSA LiftMX Safety Clutch

The first ring clutch in the market with a locking mechanism

Enhancing safety in precast lifting with a locking mechanism that prevents unintended disengagement.

Secure. Fast. Compliant.

PSALIFTMX

PSA LIFTMX SAFETY CLUTCH

During specific lifting conditions such as panel rotation, standard ring clutches may be exposed to temporary unloading that can result in disengagement.

To address this risk, PSA developed the LiftMX Safety Clutch range in 2021, featuring a unique locking mechanism that positively locks the ring to the anchor once connected.

PSA LIFTMX SAFETY CLUTCH RANGE

PSA LiftMX 10-Tonne Safety Clutch for use with 8-tonne and 10-tonne Edge Lifters and 7-tonne Face Lifters

PSA LiftMX 15-Tonne Safety Clutch for use with 15-tonne Edge Lifters

PSA offers two safety clutches incorporating a positive locking mechanism, preventing inadvertent disengagement during lifting and rotation.

With three LiftMX Edge Lifters, three LiftMX Face Lifters, and a comprehensive range of accessories, the PSA LiftMX system provides a complete lifting solution for precast concrete construction applications.

COMPLIANCE AND SAFETY

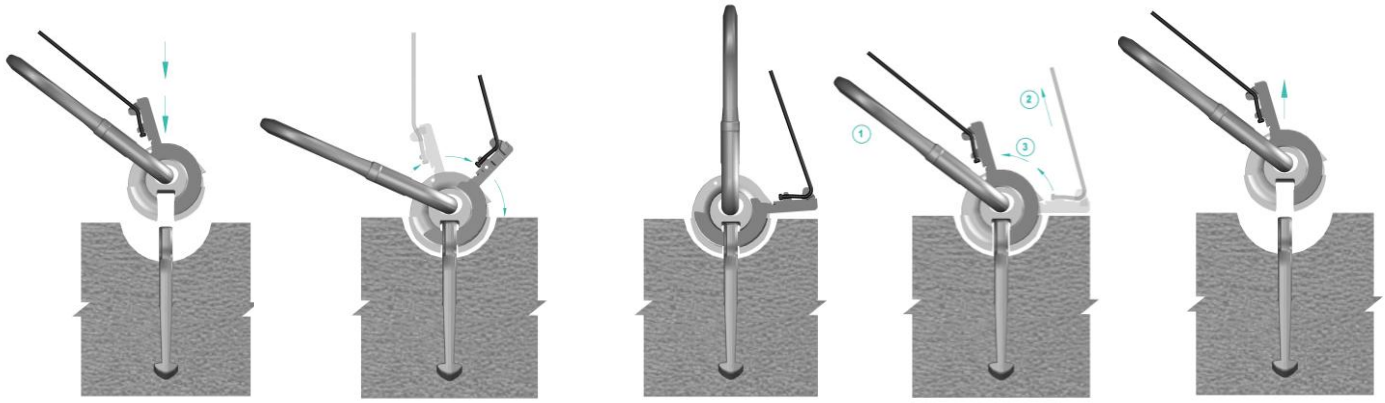
PSA LiftMX Safety Clutches comply with AS 3850 and align with the recommendations of the recently released **WHSQ Alert – Additional risk controls for lifting precast concrete elements**, including:

- Eliminating the risk of inadvertent clutch disengagement during rotation through a positive mechanical locking mechanism
- Providing clear guidance on routine inspection to assist in identifying damaged or defective clutches
- Manufacturing and testing to the highest quality standards to minimise the likelihood of equipment failure
- Supplying detailed guidance on the correct use of PSA lifting inserts and clutches to reduce the risk of misuse and poor rigging practices

For prefabricated concrete elements lifted using PSA LiftMX Safety Clutches in accordance with a **proper erection design** and by **trained personnel**, implementation of an exclusion zone in line with the WHSQ Alert is **not required.**

The unique locking mechanism also allows the clutch ring to be easily released by hand or via rope, eliminating the need to work at height after placement of the concrete element.

TYPICAL ENGAGING AND DISENGAGING PROCEDURE



① Lower the clutch on the lifter

② Rotate the locking ring towards the panel until it locks in with the clutch torus.

③ The handle can now be rotated up for lifting.

④ After the lift:
- release the load on the handle.
- Pull lanyard to release handle lock.
- continue pulling to rotate locking ring

⑤ Disengage Clutch from lifter head

For applications where remote release is not required, the operator can easily unlock the locking ring using his thumb while rotating the ring.

Maximum safety, effortless lifting — that's the power of PSA Safety Clutches.

psa.com.au

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