

**EVALAST™**

# HYDRAULIC LOOM™



Our clients will reduce their service times from 24hrs to 12hrs every 14 days

**Quality mining products**

# EVALAST HYDRAULIC LOOM™

## LEADING THE WAY THROUGH INNOVATION

Experience unparalleled durability, efficiency, and peace of mind with EVALAST™ Hydraulic Looms.





### **Custom EVALAST™ Hydraulic Looms**

Introducing the custom EVALAST™ Hydraulic Loom, meticulously engineered and rigorously tested to excel in both physical and systematic applications.

The core concept of the EVALAST™ loom revolves around a sophisticated construction featuring five layers of protection, designed to ensure optimal longevity and maximum machine uptime. Read on to discover more.

**Certified and  
Engineered**



**Reliable  
Performance**



**Effortless  
Installation**



# AN ENGINEERED SOLUTION



## Built To Last

Comprising a Kevlar Braid, MSHA approved burst protection, waterproof membrane, and a durable no-gap wrap infused into stainless-steel end caps, the protective layers offer unparalleled safeguarding. The stainless-steel end caps encapsulate the internal sleeve locking mechanism, and is further fortified by a special polymer binding, effectively preventing stretching and ensuring comprehensive sealing throughout the unit.

This innovative system renders the EVALAST™ loom impervious to common causes of hose failure, including hose chafing, hose slapping, and external impact damage. With a record of reliability, the EVALAST™ loom stands as a pinnacle of durability and performance in hydraulic applications. Each hose undergoes individual testing, adhering to Australian and international standards. EVALAST™ Hydraulic Looms are crafted with a singular focus: enhancing operational efficiencies and mitigating resource wastage by preventing premature hose failure and unnecessary oil spillage.

## Proven Performance

The custom EVALAST™ Hydraulic Looms have been successfully deployed by a leading Australian gold mine, consistently surpassing expectations with a remarkable three-plus month lifespan per loom. Noteworthy outcomes include streamlined maintenance schedules, heightened drilling efficiency, reduced downtime, and a significant reduction in resource wastage.

The EVALAST™ loom is supplied at a standard length of 7.3 metres (fitting to fitting) without any exposed hosing. With a total weight of approximately 110 kilograms, this solution offers unparalleled durability, flexibility, and convenience. By eliminating the necessity for ongoing labour-intensive hose maintenance, the EVALAST™ loom decreases labour costs through effortless installation and minimal upkeep requirements. Once installed, the loom operates as required until scheduled replacement, providing uninterrupted performance and peace of mind.

### Durable and Robust



### Premium Materials



### Prevents Hose Failure



## Technical Overview- Materials

- ◇ **Kevlar Strength:** Kevlar is up to 20 times greater than steel fibres of comparable diameter, and is resistant to melting and burning.
- ◇ Maximum Operating Temperature: 160°C
- ◇ **MSHA Approved Burst Protection:** Double layers of MSHA-approved burst protection provide enhanced safety and compliance, meeting stringent industry standards including Anti-leakage SAE J343 and Blast-resistant ISO3457. Additionally, the looms conform to MSHA flame resistance and self-extinguishing test requirements
- ◇ Maximum Operating Temperature: 160°C
- ◇ **Membrane:** 2:1 ratio with flame-resistant properties for added safety
- ◇ Maximum Operating Temperature: 125°C.
- ◇ **No Gap Wrap External Layer:** Provides seamless coverage

## Technical Overview- Hose

- ◇ Standards Compliance: Conforms to EN856-4SP, DIN EN 856 4SP, and GB/T10544-2013 Australian and international standards.
- ◇ Temperature Range: -40°C to +121°C
- ◇ Flame Resistant and Anti-Static (FRAS) rating
- ◇ Oil synthetic nitrile rubber



# DRILLING ASSUMPTIONS

EVALAST™ Hydraulic Looms versus other related products.

DESCRIPTION	RESULT
AVERAGE HEADINGS PER DRILL PER 12-HOUR SHIFT	(1) HEADING
ADVANCED DEVELOPMENT METERS	(4.4) METRES
ELIMINATED (12-HOUR SHIFTS) PER YEAR	(26) SHIFTS
METERS PER DRILL PER YEAR GAINED	(114) METRES
PERCUSSION HOURS PER LOOM	350-500 HOURS

## ORDER NOW

DESCRIPTION	PART NUMBER	INCLUSIONS
EVALAST LOOM RH	E2275-411S-RH	1x RH LOOM- COMPLETE
EVALAST LOOM LH	E2275-411S-LH	1x LH LOOM- COMPLETE
HOSE TREE STRAIGHT BRACKET RH	E2275-0003-RH	1x RH HOSE TREE BAR
HOSE TREE STRAIGHT BRACKET LH	E2275-0002-LH	1x LH HOSE TREE BAR
COMPLETE JUMBO KIT	E2275-411S-KIT	1x LH LOOM, 1x RH LOOM, 1x LH HOSE TREE BRACKET, 1x RH HOSE TREE BRACKET

Get the parts you need. Quote the above part numbers to place your order today.

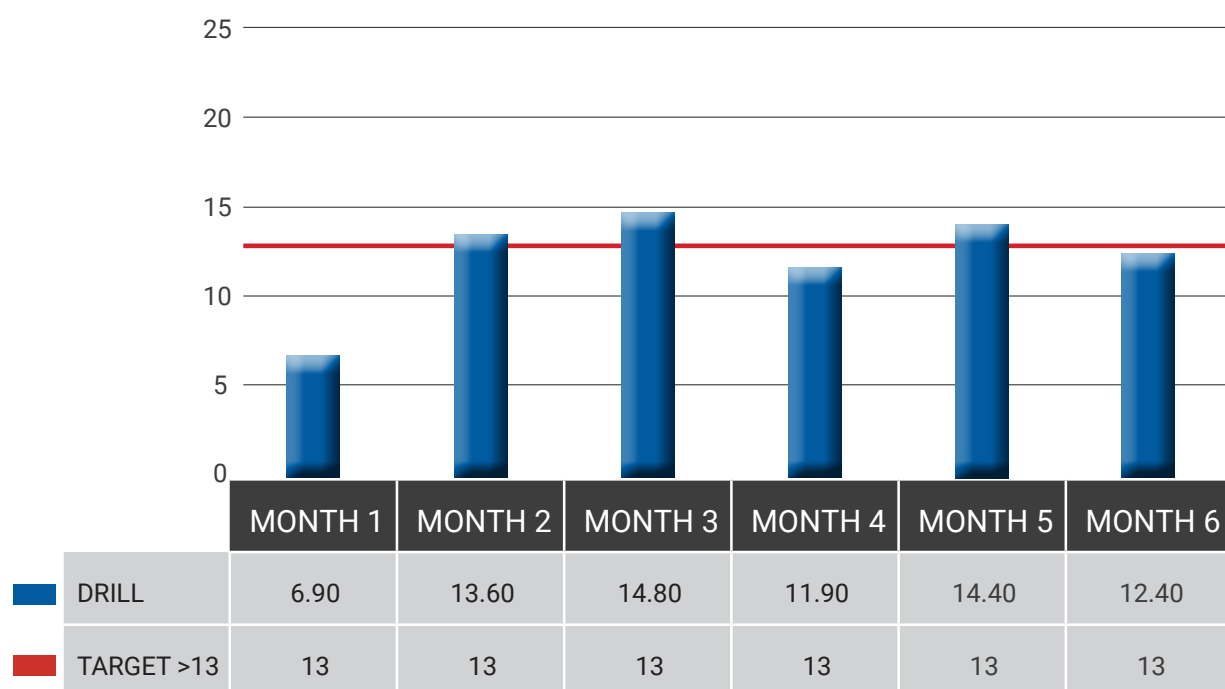
# HEAVY-DUTY CONSTRUCTION

Hose “chafing” is the leading cause of premature hose failure. The EVALAST™ Hydraulic Looms are constructed by adapting five distinct protective layers, which are sealed within stainless-steel end cap moulds. This advanced construction serves as a robust shield against external impact, effectively mitigating the risk of hose chafing.

Each EVALAST™ hose is provided with a comprehensive test certificate and traceability report, providing transparency and peace of mind upon purchase.

The EVALAST™ Hydraulic Loom will significantly increase your MTBF (Mean time between failure). Below is a graph to show an example of how the EVALAST™ Loom could contribute to improvements in your MTBF.

**DRILL FLEET MTBF- EVALAST™ LOOM**



# GET IN TOUCH:



0438 572 451



[sales@elmequipment.com.au](mailto:sales@elmequipment.com.au)



34 Harries Way, Pinjarra  
WA 6208



Certified Explosive Boxes



Mine Vehicle Accessories



Drill Rig Accessories



Lifting Equipment



Sandvik Jumbo Accessories

**Quality mining products**