



## DESIGN TO INNOVATE

Our chains are used  
in **many areas**  
due to the **wide range**  
of **products** and the  
possibility to **customise**  
them for your every need



**brevetti  
stendaito**  
DYNAMIC CABLE PROTECTION

**brevetti  
stendaito**

# IR-CHAIN System

# iR-CHAIN

INVISIBLE ROLLING SYSTEM

Brevetti's IR-System is the evolution of the sliding chain concept. This technology has been developed after years of data collection and analysis from real applications around the globe.

The Brevetti Design Engineers succeeded in further improving the well-known advantages of the Brevetti cable chain systems in port technologies with the innovative **IR-Block Set**.



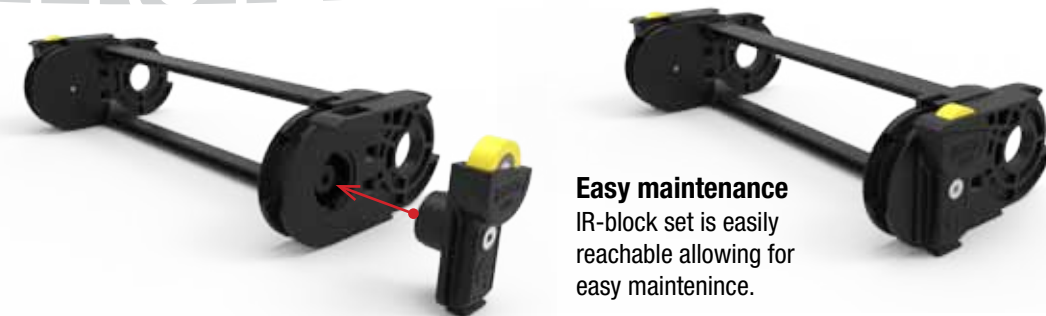
**QR-Code**  
Watch the video with  
your Smartphone!



## iR-BENEFITS

- ✓ **Reliable**  
IR-chain is the evolution of M series, well recognized for its performance and installations all over the world.
- ✓ **Low push-pull force needed**  
IR-chains have been designed to reduce the minimum force required to set the system in motion.
- ✓ **Smooth movement**  
Invisible rolling system eliminates the interference between rollers. On the upper chain portion the rollers are retracted while on the lower portion they are protruded to encrease the performance all links have the same pitch.
- ✓ **Extended lifetime**  
The engineered rolling solution avoids wearing and extends the life of the system.
- ✓ **Harsh environment**  
Highest priority has been placed to design a reliable solution for harsh environments, including dust and mud. Specific openings have been properly engineered to avoid accumulation of undesired material in critical areas.
- ✓ **Perfect Alignment**  
Upper part of chain always glides perfectly on the lower portion.

## DYNAMIC CABLE PROTECTION

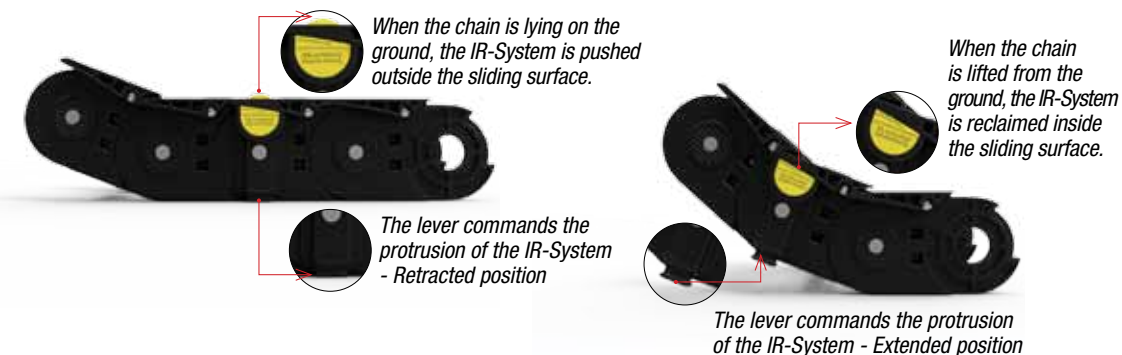


**Easy maintenance**  
IR-block set is easily reachable allowing for easy maintenance.

## HOW THE IR-BLOCK SET WORKS

**The inner mechanism makes the IR-System appear when it's needed.**

When it's not needed, the IR-roller remains invisible and hidden inside the sliding surface.

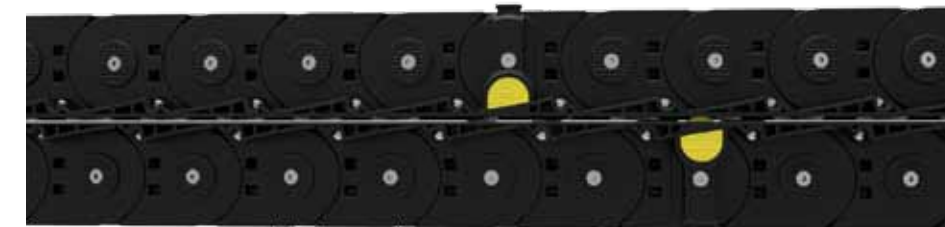


*When the chain is lying on the ground, the IR-System is pushed outside the sliding surface.*

*The lever commands the protrusion of the IR-System - Retracted position*

*When the chain is lifted from the ground, the IR-System is reclaimed inside the sliding surface.*

*The lever commands the protrusion of the IR-System - Extended position*



Through **Brevetti's IR-System mechanism**, rollers at the lower chain portion are protruded and the upper chain portion slides along a perfectly smooth surface.