



**McQuaid**  
Engineering Ltd

# MECHANICAL GRAPPLES



## COMPANY OVERVIEW

McQuaid Engineering Ltd has been manufacturing world class products for the construction, recycling and demolition sectors for over 25 years. Driven by the challenges our customer's face we have built our reputation on offering strong, durable and safe products designed and manufactured to work reliably in the toughest of environments. The ethos of our business is based on maintaining an innovative workplace which maintains an unparalleled level of expertise and consistency across our products, while maintaining close and long term relationships with our customers.



## STATE OF THE ART FACILITIES

We operate a full manufacturing facility which boasts state of the art modern engineering processes and has strict quality management systems in place. From the initial design stage; through to cutting steel, welding, precision machining, assembly, build and testing, everything is carried out from a single site. This means we not only get the benefit of more efficient manufacturing processes, but we also ensure greater quality control helping to deliver a quality product. Innovation combined with years of industry experience has enabled us to engineer products that utilize the most advanced technologies available, yet are incredibly user friendly.



## GLOBAL NETWORK

Today McQuaid Engineering Ltd. is represented in 5 continents with a global dealer network. Our customers know they can rely on us to help improve their operational efficiency, reduce risks and increase profitability. It is our commitment to quality, safety standards and customer satisfaction that has positioned us a world leader in designs attachments for the construction, aggregate, demolition and mining industries.



## QUALITY ASSURED

The McQuaid name is recognised as a symbol of quality products worldwide. Our commitment to outstanding business and manufacturing performance, productivity and customer satisfaction is evidenced through our success in achieving not one but two ISO standards – ISO Certifications ISO 9001:2015 and ISO 3834-3:2015. It is our continual improvement and investment in manufacturing processes and equipment which means McQuaid's is able to meet the challenges of worldwide industry.



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# MECHANICAL GRAPPLES

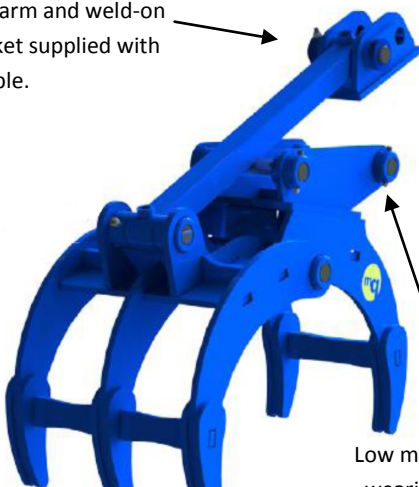
The McQuaid range of Mechanical Grapples is the ideal excavator attachment for land clearance, skip sorting and general forestry work. The mechanical grapple is the premier grapple of choice in the demolition and forestry industries due to its robust design and ease of use.

As our grapples are designed for use directly in place of the machine's own bucket, no additional circuitry or hydraulics are required for the grapple as it uses the excavator link arm and cylinder to create movement. As the bucket cylinder is opened or closed, the jaws are opened or closed to grab, carry or load. Safety is assured with three fingers facing the excavator cabin and the two interlocking fingers facing away from the cab, meaning any logs or other materials are broken away from the operator.

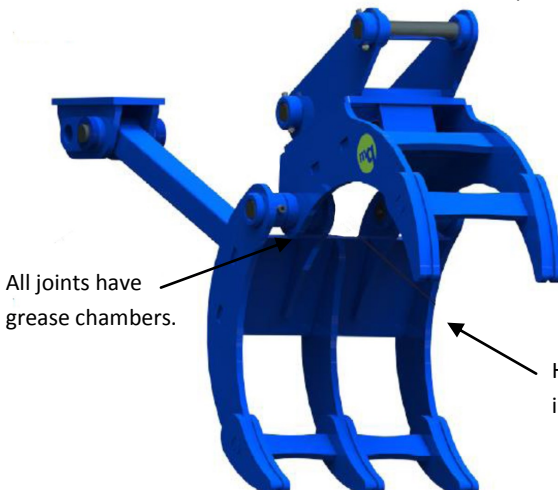
The five finger design allows for better handling of materials and more flexibility. The interlocked webbed design also provides more strength through the grapple construction. Built to exact tolerances from premium materials, the McQuaid range of mechanical grapples has an excellent strength to weight ratio. The robust, high strength steel reduces maintenance costs and increases lateral strength and longevity.



Stay-arm and weld-on bracket supplied with grapple.



Low maintenance and hard wearing hard steel bushes and pins throughout.



All joints have grease chambers.

Heavy duty robust construction for increased lateral strength and durability.

## FEATURES:

- Five tine design allows for better handling
- Interlocked webbed design gives maximum strength
- Replaceable bearings in main hinges
- High strength, anti-abrasion steel
- Complies with rigorous safety requirements
- Seals protect the pins from grease and dirt, reducing maintenance

## BENEFITS:

- Boxed tines increase strength, maximise production and minimise downtime
- Swift assembly – supplied ready to go
- Engineered for excellent handling performance, ease of use and proficiency
- An essential grab for handling irregularly shaped loads

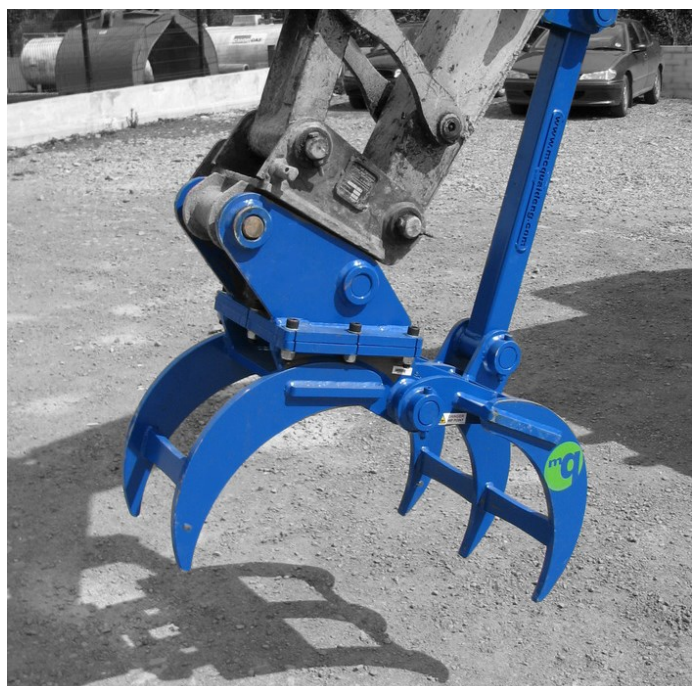


## SPECIFICATIONS:

PRODUCT	MT20	MT40	MT70	MB130	MB180	MB250
Carrier Size (Ton)	1-3	4-6	6-9	10-14	15-22	22-30
Weight With Cradle (kg)	100	160	338	731	1030	1534
Fully Open (mm)	900	1040	1400	2100	2100	2600
Fully Closed (mm)	130	173	234	0	0	0
Bottom Jaw Width (mm)	329	480	500	734	854	918
Top Jaw Width (mm)	240	324	344	422	494	526

## APPLICATIONS:

The McQuaid Mechanical Grapple has been the grapple of choice in the demolition and logging industry for many years due to its robustness and simplicity. Their ability to handle irregularly shaped loads and loose materials makes them an essential tool for reprocessing, sorting and demolition works.

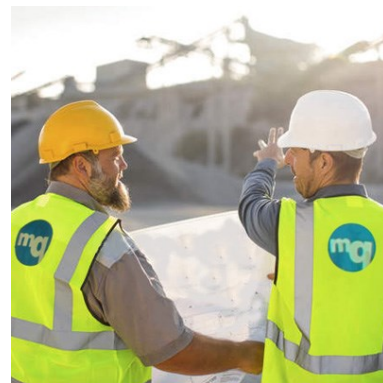




## CUSTOMER SUPPORT

From the initial enquiry you make with McQuaid Engineering Ltd, right through to when you receive your finished product, our dedicated team will be with you each step of the way. We take great pride in our customer service, providing world class support, delivering 100% customer satisfaction. Our committed customer support team is equipped with the experience and thorough industry and product knowledge to help assist you, whatever the nature of your enquiry. From someone with a query wishing to find out more about McQuaid Engineering Ltd. and our product offering, to our existing customers, we are dedicated to making your life easier.

Whether you are looking to install or commission a single machine or multiple pieces of equipment, our technicians are there to support you at every step of the process. From feasibility and project management to system configuration and training we can handle the installation and commissioning of equipment from start to finish. We offer our customers a complete design to installation service anywhere in the world.

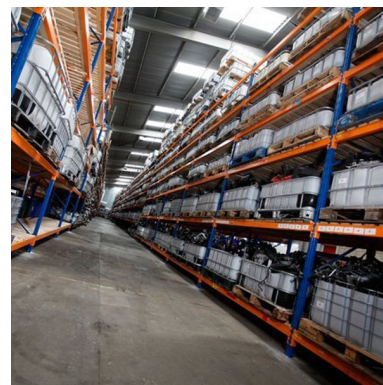


## SPARE PARTS

At McQuaid Engineering Ltd. we know the importance of quick turnarounds when you have a breakdown on site. Manufacturing our own components means that we always have a supply of spare parts, so if the need should arise; you can keep production on schedule and minimise costly, unscheduled downtime by getting them direct from us, when you need them.

When it comes to parts, our focus is on quality, service and value. Our spare parts operation is designed to deliver total peace of mind and keep your business running smoothly. With a dedicated customer representative and technical support team on hand, you will always have your own go-to person.

Reduce your downtime with McQuaid certified components that deliver a long and reliable life, and reduce risk of injury with fewer repairs needed. McQuaid spare parts keep your machinery working at peak performance and maximize its resale value. You can be assured that our spare parts have superior durability and ease of fit due to the raw materials and the high quality precision manufacturing.



## AFTERCARE

Receiving your new McQuaid Engineered product is just the beginning of your relationship with us. Technical trouble shooting and spare parts for all our products. We offer the highest level of customer care, staying in contact with each customer until their situation is resolved.

We understand that time is money, and that even with regular evaluations and mechanical audits of your equipment, unanticipated downtime can occur. Long equipment life, peak performance and safe operation are dependent on a thorough understanding of equipment and maintenance procedures. Our comprehensive service ensures that our customers get the professional support and technical advice they need, when they need it.

