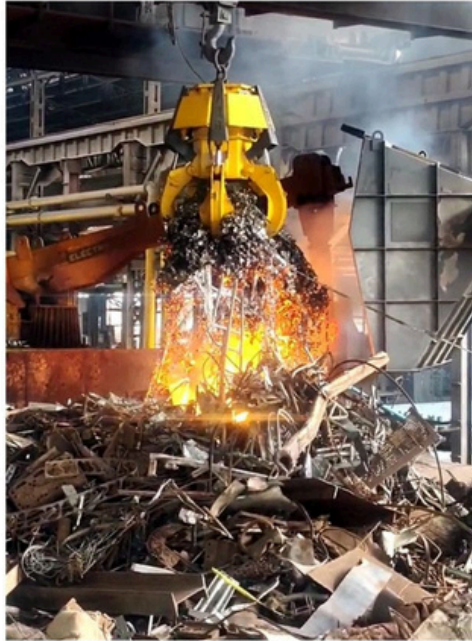
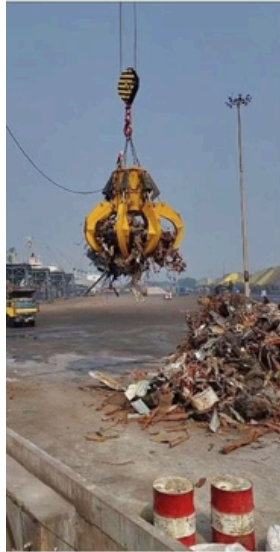




APR BRIGHT INDUSTRIES

An ISO 9001:2015 | ISO 14001 | CE CERTIFIED





ABOUT US

APR Bright Industries is a world-renowned leader in high-velocity material handling, operating across **50+ nations**. We engineer smart ecosystems that transform complex industrial challenges into seamless, high-ROI workflows by fusing **HARDOX®** wear-resistant metallurgy with advanced automation.

Our Vision

To set new global standards in innovative, reliable, and sustainable material handling solutions.

Our Mission

To deliver high-performance lifting and automation systems that enhance productivity, improve safety, and create lasting value for industries worldwide.



World-Class Grabs & Clamshell

TYPES OF GRABS WE OFFERS:

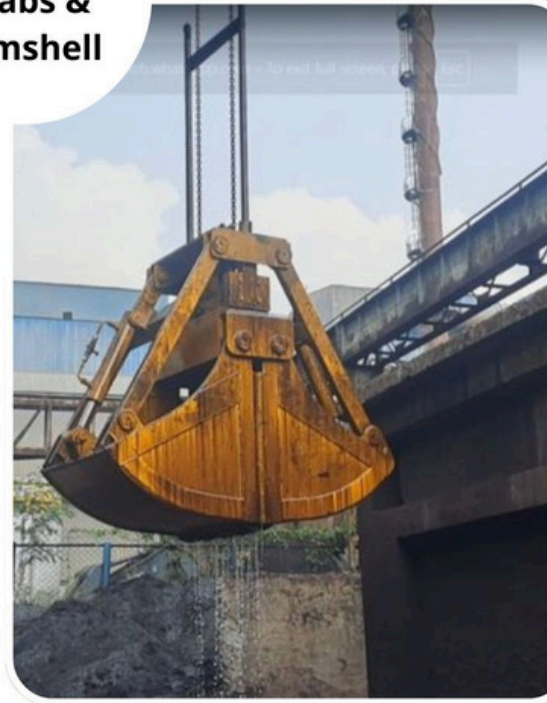
- Electro-Hydraulic Grabs
- Hydraulic Grabs
- Mechanical Grabs
- Radio Remote Control Grabs

The Force of Precision

- Sharp Grip, Zero Slip
- Built for Extreme Load
- 25% faster opening/closing cycles

Industrial Intelligence

- Tested by simulation. Proven by performance.
- Built-in safety interlocks



Smart Metallurgy

- Hardox® wear-resistant steel
- FEA Validated Strength
- High Tensile. Heavy Duty

Hydraulic Clamshell Grabs

Designed to be powered directly by the hydraulic system of an excavator or a dedicated material handler, these grabs provide unmatched closing force compared to rope-operated alternatives

Features:

- Optimized weight-to-capacity ratio
- Abrasion-resistant internal liners
- Compact and optimized structural weight



Electro-Hydraulic Clamshell Bucket

Our Electro-Hydraulic Clamshell Grabs are the industry standard for transporting flowable materials such as sand, gravel, coal, fertilizers, and grains.

Equipped with pressure unloading valves that manage oil temperature during continuous high-cycle operations, extending component life.

Features:

- Optimized sealing, preventing spillage of fine materials
- High volumetric capacity
- Custom-built solutions based on application



Proven Design For Underwater Operation

Technical Specifications

Feature	Specification Details
Carrier Compatibility	10 Ton to 50 Ton Excavators / Material Handlers
Volumetric Capacity	0.5 m3 to 10 m3 (Standard & Heavy Duty)
Max Hydraulic Pressure	180 – 350 Bar
Rotation Capability	360° Continuous Hydraulic Slewing
Cutting Edge	Replaceable Bolt-on Teeth or Hardened Steel Blade
Material Grade	Main Body: E-450; Shells: HARDOX® 450/500
Cylinder Protection	Integrated Rod Guards & End-Stroke Cushioning

Technical Specifications

Feature	Specification Details
Volumetric Capacity	0.75 m3 to 20.0 m3 (Customizable)
Material Density Compatibility	Up to 2.8 t/m3
Motor Rating	7.5 kW – 100 kW (High-Torque, Class F Insulation)
Standard Power Input	415V / 50Hz or 440V / 60Hz
Max Operating Pressure	200 – 280 Bar
Shell Material	High-Tensile Steel (Hardox® Wear Plates optional)
Seal Integrity	Dust-proof and Waterproof (Underwater models available)
Control Interface	Integrated Block with Pressure Relief & Fail-safe Valves

Single-Line Clamshell Bucket



Maximize your existing crane's potential with our Single-Rope Clamshell Grab. Designed for operators who demand versatility without the complexity of multi-drum setups, this grab features a robust **"Touch-and-Go"** mechanism. Whether you are moving sand, coal, or gravel, it offers a secure bite and a clean discharge every single time.

- **No extra hydraulics required.**
- **Automatic locking and unlocking system.**
- **Wear-resistant steel lips for extended life.**

Technical Specifications

Feature	Specification
Material Handling	Sand, Coal, Gravel, Fertilizers, & Bulk Cargo
Operation Type	Sand, Coal, Gravel, Fertilizers, & Bulk Cargo
Crane Compatibility	Single-Drum Ships/Mobile/EOT Cranes
Capacity Range	0.5 m3 to 15 m3 (Customizable)
Lifting Capacity (SWL)	2 Tons to 30 Tons
Material Grade	High-Tensile IS E-350, Hardox 500
Bulk Density	Up to 2 ton per CBM
Dead Weight	Optimized for maximum payload ratio

Two-Line Clamshell Bucket

APR Bright Two-Rope Clamshell is the workhorse of high-volume logistics. Designed for dual-drum cranes, it offers lightning-fast cycle times and pinpoint accuracy in discharging bulk materials. When your deadline depends on tonnes-per-hour, this grab delivers.

- **Fast Cycles:** Simultaneous lifting and closing for maximum throughput.
- **Precision Control:** Controlled opening at any height—ideal for hopper feeding.
- **Zero Leakage:** Overlapping lips designed for fine powders and granular bulk.



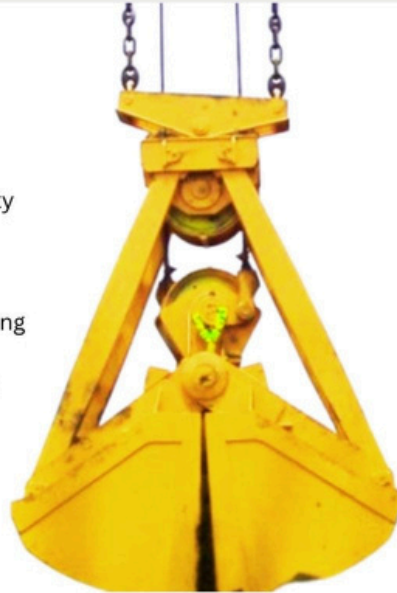
Technical Specifications

Feature	Specification
Material Handling	Coal, Fertilizer, Grains, Cement, Iron Ore
Crane Compatibility	Double-Drum EOT, Gantry, & Portal Cranes
Rope System	1 Holding Rope + 1 Closing Rope
Capacity Range	1.0 m3 to 25 m3
Lifting Capacity (SWL)	5 Tons to 60 Tons
Shell Material	High-Tensile Steel (Hardox/Weldox options)
Sheave Design	Sealed bearings with dust-protection seals

Four-Line Clamshell Bucket

APR Bright Four-Rope Clamshell is engineered for heavy-duty ship-to-shore and gantry cranes. With two holding and two closing ropes, it offers perfect balance and ultra-fast cycle times for massive bulk operations.

- **Anti-Twist:** Four-rope system prevents grab rotation during high-speed lifts.
- **Peak Efficiency:** Designed for 24/7 continuous discharge cycles.
- **Heavy Payload:** Optimized weight-to-capacity ratio for massive volumes.



Technical Specifications

Feature	Specification
Material Handling	Coal, Iron Ore, Minerals, Grains, Fertilizers
Crane Compatibility	Four-Drum Ship-to-Shore / Gantry / Portal Cranes
Rope System	2 Holding Ropes + 2 Closing Ropes
Capacity Range	1.0 m3 to 50 m3
Lifting Capacity (SWL)	5Tons to 100 Tons
Sealing Design	Overlapping lips for zero-spillage
Material Grade	High-Tensile Steel with Hardox Wear Plates

Radio Remote Control Grab Bucket

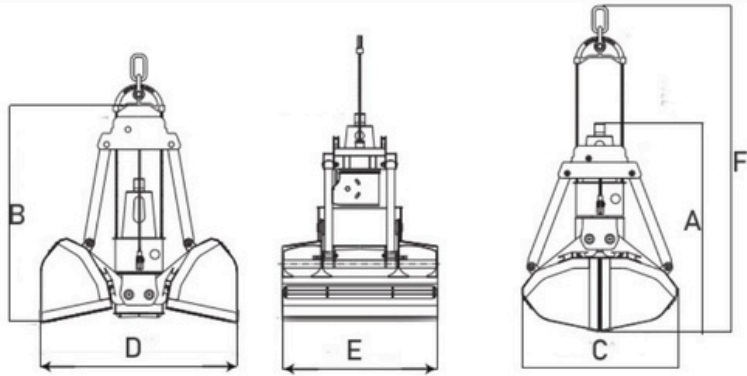


The APR Bright Radio Remote Control Grab is the premier solution for handling high-volume bulk cargo across quarry, process, and maritime industries. Designed for versatility, it integrates seamlessly with both single and double-wired cranes, including ship-to-shore, harbor, and mobile units. By eliminating external power cables and incorporating internal hydraulics, this grab offers a faster, more economical cycle time with significantly reduced wear on your crane.

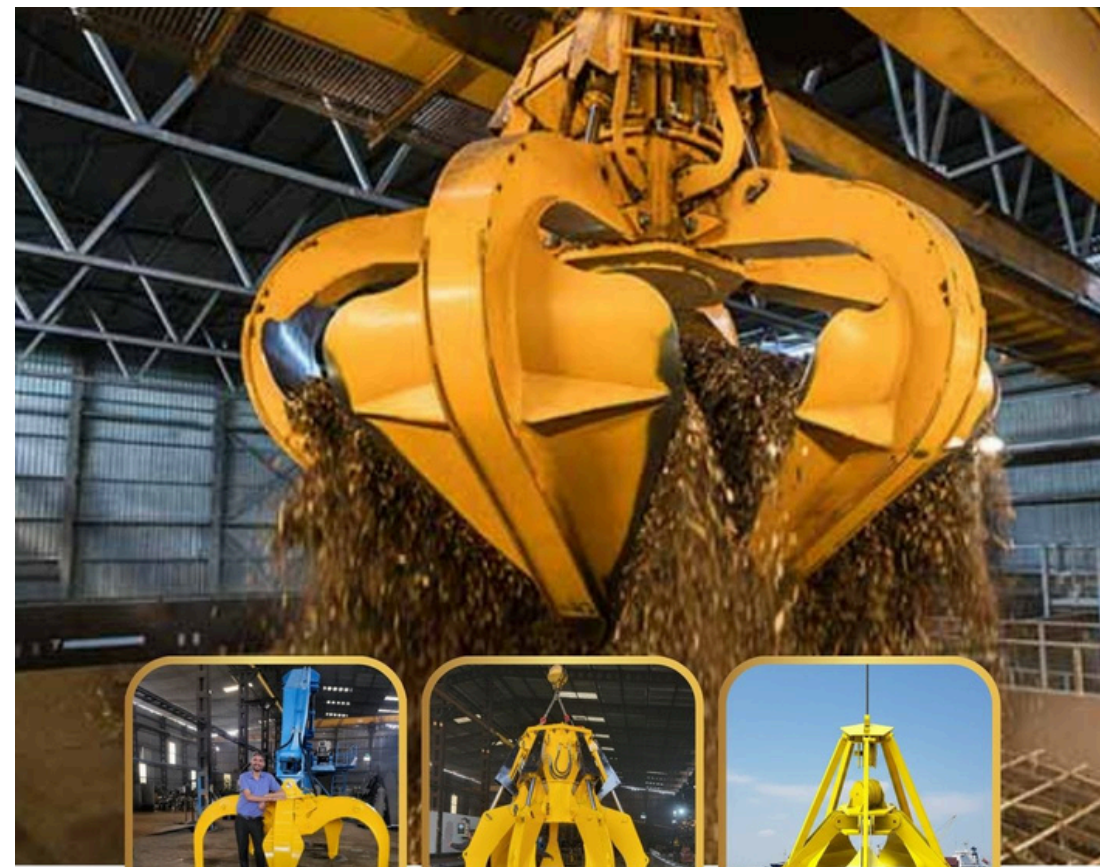
Technical Specifications

Feature	Specification Details
Capacity Range	3 m3 to 20 m3 (Adjustable models available)
Material Handling	Grains, Fertilizers, Coal, Ores, Sand, & Aggregates
Opening Time	9 Seconds
Cylinder Lowering	7 Seconds
Lip Material	25mm-30mm Hardox (500 Hb)
Main Structure	IS E-450 High-Tensile Grade
Oil Capacity	100 Liters
Safety Certs	CE Declaration

Precision Control. Cable-Free Efficiency



- **Wireless Versatility:** No need for cable drums, electric panels, or ship-side power supplies.
- **Controlled Discharge:** Hydraulic opening mechanism allows for incremental load release and precision pouring.
- **High-Volume Capacity:** Efficiently handles materials like coal, ores, grains, and cement with densities up to 2.5t/m³.
- **Rugged Construction:** Built with high-tensile grade steel and Hardox wear plates for maximum durability.
- **Extended Battery Life:** Powered by a 24V DC Battery source, providing 7-8 days of continuous use per charge.
- **Smart Safety:** The RRCG is designed to close only when positioned on the ground or cargo, preventing accidental mid-air closing.



Modern Architect



Automatic Tripping Technology



Custom Dead Weight

ORANGE PEEL GRABS WE OFFERS:

- Electro-Hydraulic Orange Peel Grabs
- Hydraulic Orange Peel Grabs
- Mechanical Orange Peel Grabs
- Radio Remote Control Grabs



Hydraulic Orange Peel Grabs

Hydraulic Orange Peel Grabs are the gold standard for heavy-duty material processing.

Features:

- Multi-tine (4, 5, 6, 7 tines configuration)
- Smooth actuation with reduced vibration
- 360° Continuous Rotation (Optional)
- High-penetration jaw geometry

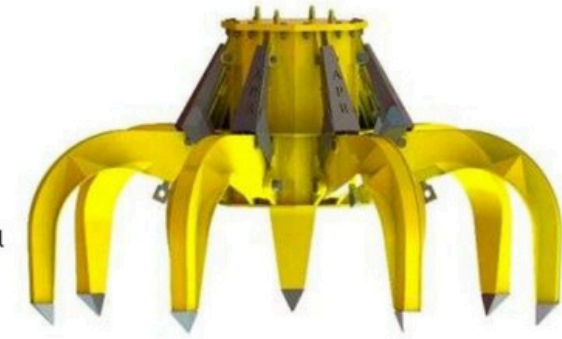


Electro-Hydraulic Orange Peel Grabs

Our Electro-Hydraulic Orange Peel Grabs are designed for high-duty cycle operations in scrap yards, steel plants, waste plants, and port terminals.

Features:

- Maximum Penetration for Heavy & Irregular Loads.
- Engineered for Demanding Materials.
- High fill efficiency with minimal material loss



Technical Specifications

Feature	Specification Details
Compatible Carrier	10 Ton to 50 Ton Excavators / Material Handlers
Volume Capacity	0.4 cbm to 10 cbm
Tine Options	4, 5, or 6, 7 (Pointed, Semi-Blunt, or Wide-Tip)
Rotation	360° Continuous Hydraulic Rotation (Heavy-Duty Slewing)
Max Oil Pressure	180 – 350 Bar
Cylinder Type	Oversized High-Pressure Cylinders
Material Build	HARDOX® 500 Wear-Resistant Steel Tine Tips, Inner Plates
Pin & Bushing	Induction Hardened with Internal Grease Channels

Technical Specifications

Feature	Specification Details
Volume Capacity	0.5 m3 to 20.0 m3 (Customizable)
Tine Configuration	4, 5, or 6, 7, 8 Tines (Half-Open or Fully-Closed)
Power Supply	415V / 50Hz (Standard)
Operating Pressure	Up to 280 Bar
Closing Force	120 kN – 250 kN (Model Dependent)
Motor Insulation	Class F / IP55 Protection
Material Construction	High-Tensile IS E-450, Hardox 500
Hydraulic System	Integrated Block with Pressure Relief Valves

Single-Line Orange Peel Grab

Engineered for the chaos of the scrap yard, the APR Bright Orange Peel Grab provides a relentless bite on irregular materials. Designed for single-hook cranes, it turns high-impact debris handling into a streamlined operation.

- **Relentless Grip:** Multi-tine design (4–8 tines) for maximum material retention.
- **Deep Penetration:** Hardened Manganese tips slice through tangled scrap and boulders.
- **Rugged Build:** Reinforced pivots designed to absorb heavy lateral impacts.



Two-Rope Orange Peel Grab

Built for high-cycle dual-drum cranes, the APR Bright Two-Rope Orange Peel Grab delivers lightning-fast operation in scrap yards and ports. Its dual-rope system allows for mid-air opening and precision placement of irregular bulk.

- **Dual-Rope Control:** Independent lifting and closing for faster cycle times.
- **Superior Bite:** Multi-tine geometry penetrates deep into tangled scrap.
- **Precision Dumping:** Fully controllable discharge at any height or position.



Technical Specifications

Feature	Specification
Primary Use	Scrap Metal, Boulders, Pig Iron, Industrial Waste
Bulk Density	Up to 2 ton per CBM
Operation	Single-Rope Mechanical (Ring-Trip / Touch-Open)
Capacity	0.2 m3 to 15 m3 (Customizable)
SWL Range	3 Tons to 40 Tons
Tip Material	Heat-Treated Manganese Steel (Replaceable)
Material Grade	High-Tensile IS E-350, Hardox 500

Technical Specifications

Feature	Specification
Material Handling	Metal Scrap, Pig Iron, Large Boulders, Mixed Waste
Tine Configuration	4 to 8 Tines (Open, Semi-Closed, or Fully Closed)
Crane Compatibility	Double-Drum EOT, Portal, & Gantry Cranes
Capacity Range	0.5 m3 to 25 m3
Lifting Capacity (SWL)	5 Tons to 60 Tons
Sheave System	Hardened Steel with Heavy-Duty Bearings
Construction	High-Tensile Steel with Reinforced Tine Tips

Four-Rope Orange Peel Grab

APR Bright Four-Rope Orange Peel Grab is the heavy-duty choice for four-drum cranes. Its balanced rope system ensures perfect stability and high-speed operation in the most demanding scrap and mineral handling environments.

- **Ultra-Stable:** Four-rope configuration eliminates grab twisting.
- **Rapid Cycles:** Fast closing and opening for high-volume scrap yards.
- **Deep Penetration:** Powerful tine geometry for dense, irregular loads.



(RRC) Orange Peel Grabs

Our Radio Remote Control (RRC) Orange Peel Grabs are specifically designed for vessels and terminals equipped with single-line or ship-to-shore cranes that lack dedicated hydraulic or electric power lines. These grabs operate on a sophisticated "Gravity-Charge" hydraulic principle: they use the weight of the grab itself to generate hydraulic pressure for opening and closing, which is then triggered wirelessly by the operator. With no cables or external power sources required, maximum flexibility and reduced operational costs for high-seas and port-side bulk handling.



Technical Specifications

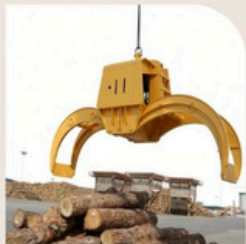
Feature	Specification
Material Handling	Heavy Scrap, Pig Iron, Boulders, Minerals
Tine Configuration	4, 6, or 8 Tines (Open or Semi-Closed)
Crane Compatibility	Four-Drum Gantry, Portal, & Quay Cranes
Capacity Range	1.0 m3 to 30 m3
Lifting Capacity (SWL)	10 Tons to 100 Tons
Rope System	2 Holding Ropes + 2 Closing Ropes
Wear Protection	Hard-faced Tine Tips & Reinforced Pivots

Technical Specifications

Feature	Specification Details
Volumetric Capacity	3 m3 m3 to 15.0 m3
Remote Range	Up to 100 Meters (Encrypted Frequency)
Battery Endurance	100+ Hours Continuous Operation (Rechargeable)
Closing Mechanism	Single-Rope Hook-On / Gravity Hydraulic
Tine Configuration	6 or 8 Tines (Semi-Closed or Fully-Closed)
Response Time	Instant Wireless Trigger (< 0.5 Seconds)
Main Material	High-Tensile E- 450 with Hardox® Wear Plates
Safety Features	Emergency Manual Release & Overload Protection

LOG GRABS

Extreme Durability



TYPES WE OFFERS:

- Electro-Hydraulic Grabs
- Hydraulic Grabs

Hydraulic LOG Grabs

Our Hydraulic Log Grabs are engineered to be powered directly by the hydraulic system of your excavator or material handler, offering a superior power-to-weight ratio.

Features:

- High clamping torque
- Balanced load distribution
- Stable pressure holding during lifting cycles



Technical Specifications

Feature	Specification Details
Carrier Compatibility	8 Ton to 45 Ton Excavators / Log Loaders
Max Opening Width	1,100 mm to 2,600 mm
Closing Force	60 kN – 140 kN (High-Pressure Cylinders)
Rotation	360° Continuous Hydraulic Rotation (Heavy-Duty Slewing)
Max Operating Pressure	180 – 320 Bar
Tine Material	High-Tensile Weldox® / Hardox® 450
Safety Features	Integrated Load-Holding Valves
Pin & Bushing	Induction Hardened with Multi-Point Lubrication

Electro Hydraulic LOG Grabs

Our Electro-Hydraulic Log Grabs are engineered to streamline the movement of raw logs, bundled timber, and heavy trunks in sawmills, paper plants, and port loading zones.

Features:

- Wide jaw opening for large-diameter logs
- Forestry Endurance



Technical Specifications

Specification Details	Specification Details
Max Opening Width	1,200 mm to 2,800 mm (Customizable)
Lifting Capacity	2.0 Tons to 15.0 Tons
Clamping Force	40 kN – 110 kN
Rotation	360° Continuous Hydraulic Rotation (Optional)
Motor Power	7.5 kW – 22 kW
Operating Pressure	200 – 240 Bar
Tine Material	High-Tensile Weldox / Hardox® 450
Hydraulic Safety	Integrated Pilot-Operated Check Valves



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