



FORESTRY PRODUCTS



WELDCO-BEALES MFG.
SPECIALISTS IN ATTACHMENT DESIGN AND MANUFACTURING
www.weldco-beales.com

Attaching Value – DESIGNING AND MANUFACTURING
PREMIUM HEAVY-DUTY ATTACHMENTS, SPECIALIZED TO
MEET DEMANDING REQUIREMENTS.

Weldco-Beales Mfg. (WBM) proudly *attaches value* to the forestry, construction, road maintenance, mining and resource industries.



Since 1945, WBM has attained a strong wealth of knowledge, experience, skills, and technologies to build value for its customers. This enables the company to continuously create and deliver unique solutions. With WBM, customers can be confident that they will always receive the highest quality products.



CONTENTS

Excavator/Log Loader Attachments

Wedge Couplers	4
Pin-Grabber Couplers.....	4
Bucket Clamps (Thumbs).....	5
Extreme Service Buckets.....	6
Brush Rakes	7
Mounding Rakes	7
Clam Grapples.....	8
HCL Series Clam Grapples	8
Tree Length (Butt-N-Top) Grapples	9
Heel Grapples.....	10
Cut-to-Length Dangle-Head Grapples.....	11
Cab Risers	12
Forestry Cabs	12
Catwalks	13
Underhouse Guards	13
Rock Guards.....	13
Protective Structures.....	14

Wheel Loader Attachments

ISO Hydraulic Master Hitch.....	15
Kwik-a-Tach (KAT) Master Hitch.....	15
Wood Chip Buckets	16
Peeler Forks.....	16
Log and Lumber Forks.....	16
Fork Racks.....	16
Forklift Masts.....	17
Tree Length Log Grapples.....	18
Cut-to-Length Log Grapples.....	18
High Capacity Cut-to-Length Grapples	19

Crawler Dozer Attachments

Wood Chip Blades.....	20
Angle Blades.....	21
Logging Arches	21

Complete Product Listing 22

EXCAVATOR/LOG LOADER ATTACHMENTS

WEDGE COUPLERS

WBM's Wedge Couplers enable operators to use all WBM quick coupler lugged attachments on machine models within the same weight class.



MANUAL WEDGE COUPLERS

Maintaining factory tip radius and breakout force, this product allows simple quick changes between attachments.

HYDRAULIC WEDGE COUPLERS

Include a spring-activated safety locking mechanism, cylinder lock valve and standard audible warning when disengaged.



HL SERIES HYDRAULIC WEDGE COUPLER

The WBM Patented HL Series Hydraulic Wedge Coupler incorporates a hydraulically controlled safety lock mechanism so the operator does not have to leave the cab.



PIN-GRABBER COUPLERS

WBM Triple Lock 'Pin-Grabber' Couplers incorporate enhanced safety features for fast attachment change-out from the comfort and safety of your machine. The dead lock saddle prevents the possibility of the front lock releasing in the event of a hydraulic failure.

BUCKET CLAMPS (THUMBS)

WBM's Bucket Clamps can be added to any bucket, blade or rake to increase its ability to grab and move objects with precision.

FEATURES & BENEFITS

- Adds versatility for forestry, construction, demolition and mining applications
- Available in four configurations (manual strut, hydraulic strut non-link, hydraulic strut progressive link, and hydraulic pro link II)
- Increases machine's efficiency
- Heavy-duty construction maximizes service life





EXTREME SERVICE BUCKETS

WBM's Extreme Service Bucket's tough, durable design is well-suited for work in harsh, difficult terrain and other heavy-duty digging applications. Increased service life is achieved through extra heavy-duty construction. These buckets have all the qualities of a Heavy Duty Digging Bucket, but with increased wear resistance.

FEATURES & BENEFITS

- Large base edge, adapters and teeth
- Superior loading capabilities
- Reduces cycle times by optimizing machine's breakout and crowd forces
- Dual tapered design enables easy cleanout
- Vertical and horizontal wear bars
- Additional internal shell liners
- Optional side bar protectors, heel shrouds and side cutters

BRUSH RAKES

WBM's Brush Rakes are primarily used in the forestry and road construction industries to easily remove and pile brush, roots and stumps without retaining soil.

FEATURES & BENEFITS

- Heavy-duty construction for long service life
- Clears land quickly
- Weld-on tips
- Available in a variety of lengths
- Optional thumb for added versatility



MOUNDING RAKES

WBM's Mounding Rakes are excellent for clearing, digging and mounding material, creating ideal conditions for tree planting.

FEATURES & BENEFITS

- Builds mounds efficiently and promotes tree growth
- Heavy-duty construction for a long service life
- Performance approved moldboard curvature
- Replaceable teeth



CLAM GRAPPLES

The WBM Clam (Powerclam) Grapple is a very versatile tool. With many options to choose from, this grapple can be configured to handle tree length, cut-to-length, shortwood, as well as brush piling and blow down with the cut-off saw arrangement. Bucket configurations are also available for road building and other bulk material handling applications.

FEATURES & BENEFITS

- Performs loading, piling and digging operations, depending on jaw type
- Pin-on or Quick Coupler lugging
- 360° continuous rotation with single or dual high torque drive motors for optimum rotation and holding torque
- Interchangeable jaws to suit application
- Hardened pins & bushings and replaceable wear parts for optimum service life
- Large diameter rotation bearing allows power tilting (heeling) logs
- High pressure cylinders

HCL SERIES CLAM GRAPPLES

WBM's all new HCL (Horizontal Cylinder and Linkage) Series Clam Grapples, designed to handle high volume cut-to-length wood in loading and unloading applications.



FEATURES & BENEFITS

- Basket style jaws achieve 120" opening for large loads and close down to 6" to handle a single stem
- Grapple jaws lift and roll the load into a tight round bundle, minimizing stem crossing to achieve faster fill-times
- Designed to match machine capacity, wood length and species (payload) for optimal performance and efficiency
- Box section jaw profile allows maximum efficiency and easy log flow during loading and unloading
- Single, 5000 psi, high pressure horizontal hydraulic cylinder and timing linkage (HCL) keeps the jaws synchronized at all times, and delivers power to the jaw that needs it most during the loading cycle

TREE LENGTH GRAPPLES (BUTT-N-TOP)

WBM's Tree Length Grapples load, unload, sort and pile tree length wood to achieve maximum excavator/log loader productivity.



FEATURES & BENEFITS

- Hydraulic outriggers provide easy load stabilizing
- Strong light weight body
- Available with tilt cylinders or bucket linkage lugging
- Large diameter pins for greater durability
- Powerful sorting or bunching jaws
- Completely enclosed for internal component protection
- 360° continuous rotation
- Enable loading from the side or rear

HEEL GRAPPLES

WBM's Heel Grapples are specifically designed for loading, sorting, decking, and hoe-chucking (shovel logging/ forwarding) tree length wood.



FEATURES & BENEFITS

- High strength alloy steel used throughout for maximum durability and service life
- Low profile jaw design for easier penetration of log piles
- Improved jaw open/close range to handle large and small diameter wood
- Integral Single Plate cylinder anchor mounting for exceptional strength and reduced maintenance & repair expense
- Large side opening provides easy access for maintenance of components



CTL DANGLE-HEAD GRAPPLE *(BY-PASS OR NON BY-PASS)*

WBM's CTL Dangle-Head Grapples are primarily used in loading and unloading cut-to-length wood in the bush or mill yard.

FEATURES AND BENEFITS

- High strength alloy steel used throughout for maximum durability and service life
- Proven jaw profile maximizes capacity, increases productivity, reduces loading cycles and allows for easier penetration of log piles
- HD pivot frame provides exceptional strength for reduced maintenance & repair expense
- Large bottom opening provides easy access for maintenance of components
- Fully supported Swivel core with a one-piece rotary seal for optimum durability
- One piece horseshoe jaw cylinder anchor for maximum strength

STANDARD EQUIPMENT

- Heavy duty bearing and gear drive system with continuous 360° rotation
- Motor equipped with cross over relief valves for protection against externally applied loads
- Two configurations available: by-pass or non by-pass (tip-to-tip)
- Heavy duty jaws with dual hinge pins and timing gears
- Heavy duty small load retainer (hold-down) chains (for non by-pass jaws)
- Cylinder complete with cushions in the open and closed position



CAB RISERS

WBM's Cab Risers are used primarily in forestry and road building applications to provide superior visibility.

FEATURES & BENEFITS

- Available in a variety of heights to match the application (12"-72")
- Transportation is made easier with the optional manual or hydraulic tilting of the cab and riser
- With the hydraulic tilt option, WBM provides a tilt cylinder and hydraulic power pack
- Safety cable restraint, for when cab is in transportation position, is standard with the manual or hydraulic tilting options



CATWALKS

WBM's Catwalks are designed to provide better serviceability to an excavator and to protect the upper house of the excavator.

FEATURES & BENEFITS

- Wrap-around Catwalks allow the operator to service all critical areas of an excavator
- Allows the operator to service a machine without the use of ladders or unstable lift mechanisms
- Checker plate provides extra traction (can be substituted with grating to allow material to pass through)
- Optional railing available for additional safety



FORESTRY CABS

WBM's Forestry Cabs are designed to provide optimal visibility, durability, ergonomics and protection for the operator. The Forestry Cab is often used in road builder, feller-buncher and log loading applications.



FEATURES & BENEFITS

- Protective polycarbonate windows and forward sloping cab design provide optimal visibility
- Sound suppression
- Meets Government regulated safety standards
- Wider than a standard cab
- Better visibility, durability and protection versus a conventional cab without guarding
- Includes full headliner, fan and dome light, lighting package, easy maintenance floor, air vents, AM/FM/CD with 12V DC converter, and vertical inside bars



ROCK GUARDS

WBM's Rock Guards protect the excavator track from foreign objects and debris. They are used in environments where track damage is common such as forestry, road building and demolition.



UNDERHOUSE GUARDS

WBM's Underhouse Guards are used primarily in harsh forestry environments to protect the underside of the excavator from damage.



Falling Object Protection Structure (FOPS)



Falling Object Guard (FOG)

PROTECTIVE STRUCTURES

WBM's FOPS (Falling Object Protection Systems) and FOG (Falling Object Guard) are designed to protect the excavator cab and operator from falling objects in dangerous environments. These structures are used primarily in the demolition, forestry and construction industries.

A FOPS is a separate structure that is mounted around the cab of a machine (ROPS certified or non-certified cab), that protects the cab from falling objects.

A FOG on the other hand, is guarding that is bolted directly to a certified ROPS cab, typically in two pieces: a roof and a front FOG.

As many machine manufacturers are now producing their own ROPS certified cabs, it is becoming more common to only have to install FOG on machines

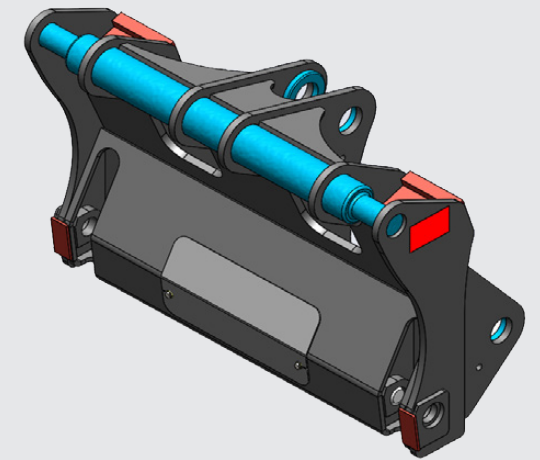
Prior to release from manufacturing, WBM FOPS can be performance tested by request on our Structural Performance Test Stand located in Langley, British Columbia and compliant with rigid industry standards.

WHEEL LOADER ATTACHMENTS

ISO HYDRAULIC MASTER HITCH (ISO 23727 STYLE KAT)

FEATURES & BENEFITS

- Improved visibility with revised shape and open design
- Increased range of interchangeability with a wider range of models and compatible manufacturers
- Similar in weight to our current optimized wheel loader KAT systems
- Designed to recognize machine performance characteristics by keeping the load as close to the wheel loader as possible
- Designed to fit wheel loaders ranging in class size from WL100 to WL200



KWIK-A-TACH (KAT) MASTER HITCH

WBM's (KAT) Master Hitch is the centerpiece product that increases versatility of wheel loaders by allowing quick and easy inter-changeability of attachments. By installing KAT hooks or lugs in place of the factory of OEM pin-on lugging on an attachment, the KAT Master Hitch is capable of changing the attachment utilizing a hydraulic or manual lock pin system.

FEATURES & BENEFITS

- Designed to pin on the boom and linkages using OEM specifications
- Utilizes a top round bar and horizontal lock pin for lug hook-up
- Hydraulically actuated or manually operated lock pins
- Heavy-duty frame
- One double acting cylinder
- **Optional:** a four hook KAT Master Hitch is available to help stabilize large attachments
- **Optional:** Third Valve Power Beyond Kit - a method of using the loader's 3rd valve to operate both the cylinder and a hydraulic function on the attachment



WOOD CHIP BUCKETS

WBM's Wood Chip Buckets are the largest of the light material buckets to allow extremely large capacities due to the lightweight nature of woodchips.

FEATURES & BENEFITS

- Large spill guard/back sheet
- Large mesh windows provide excellent operator visibility
- Tapered or flat bottom design
- Proven profile provides optimal material handling and loading capability while maximizing bucket capacity



Shown with optional overarm assembly.

PEELER FORKS

WBM's Peeler Forks are designed with exceptional loading characteristics for transporting 8 ft wood from the debarking/slashing operation to the steam chambers in a plywood mill application.

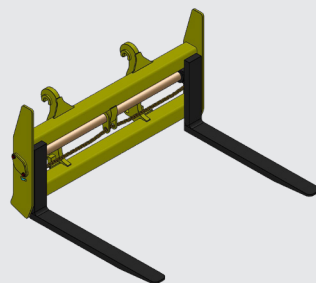


LOG AND LUMBER FORKS

WBM's Log and Lumber Forks are designed with both fork and grapple characteristics to provide excellent stability and holding capabilities when holding tree length or short wood.

FORK RACKS

WBM has re-developed our line of Fork Racks to improve operator visibility and offer increased functionality throughout the product line up. Available in widths from 72" to 120", depending on machine and application. The rugged, low profile frame offers improved visibility to tines at both ground and deck levels.



FORKLIFT MASTS

WBM's Heavy Duty Forklift Masts are designed to convert wheel loaders for rough terrain forklift applications.



FEATURES AND BENEFITS

- High visibility two stage mast with high strength twin I-beam rails
- Trolley frame center opened for visibility
- Low profile carriage
- Underslung side shift cylinder
- 18" side shift (+/-) 9" per side with U-Shaped upper sliders
- Roller or Polyslide guides that follow different tracks on inner and outer uprights
- Outside mounted load chains
- Anti-Load Drop Valve (flow-restricted lowering speed)
- Spherical bearings in mounting bracket
- Sealed roller bearings in chain and hose sheaves
- Bolt-style trolley chain anchors
- Standard single acting lift cylinders - optional double acting
- Standard 15,000 - 30,000lb lift capacities at 24" load centers
- Special application masts available (40,000-60,000lbs)

TREE LENGTH LOG GRAPPLES

WBM Tree Length Log Grapples have been recognized as the staple in unloading and loading tree length wood. By using heavy-duty welded box construction in the shoe weldments and overarm, the grapple is capable of maximizing payload while maintaining excellent load stabilization in rough or uneven terrain. Versatility is achieved through the ability to handle large loads or to sort wood one log at a time.

FEATURES & BENEFITS

- Maximize payload while maintaining excellent load stability in rough terrain
- Heavy-duty box-type construction of overarm and shoe weldments
- Superior loading characteristics for millard or brush applications
- Versatility is achieved through the ability to handle large loads or sort wood one log at a time
- Excellent visibility is achieved through the open center section with appropriate guarding to prevent branch damage
- Enclosed dual overarm cylinders
- Weld-on wear plate on shoes and pin-on replaceable shoe tips
- Positive holding and load stabilizing
- Cylinders are plumbed to junction block(s)



CUT-TO-LENGTH GRAPPLES

WBM's Cut-to-Length (Shortwood) Grapples are designed to match your machine, payload, efficiency and performance into one package; perfect for truck unloading and forwarding wood to the mill.

FEATURES & BENEFITS

- High strength alloy steel construction (T1) for increased strength in high stress areas and overall lighter weight for optimum payload
- Grapple and overarm profile allows easy flow of logs in and out of the grapple for maximum efficiency
- Torque tube design gives excellent visibility as well as exceptional torsional strength
- Pin joints are bored after welding to eliminate any misalignment and optimize life expectancy
- Chromed, induction hardened pins/bushings



HIGH CAPACITY CUT-TO-LENGTH GRAPPLES

WBM's High Cut-to-Length Grapples (formerly known as Pelican Grapples) are designed for single pass loading/unloading in barge and mill yard applications. High capacity grapple profile and large envelope are designed to suit wood length and trailer bunk size for on/off highway.

FEATURES & BENEFITS

- Great for large capacity log handling or sorting with tip-to-tip precision
- Excellent visibility for the operator
- QT 100 (alloy) material and box-type construction provides strength and durability, with lightweight design
- Enclosed dual overarm hydraulic cylinders provide positive holding and load stabilizing
- Ground level remote greasing to main hinge points through overarm



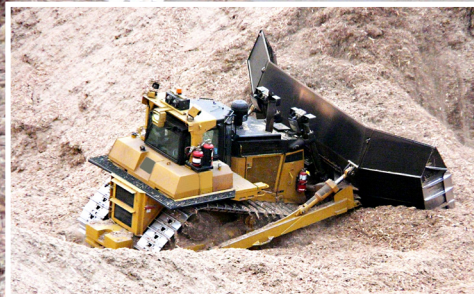
CRAWLER DOZER ATTACHMENTS

WOOD CHIP BLADES

WBM's Wood Chip Blades are primarily used in the pulp and paper industry for stockpiling wood chips.

FEATURES & BENEFITS

- Designed as high capacity u-blades to increase productivity
- Optimum moldboard curvature maximizes capacity and minimizes material overflow for improved carrying capability
- Maximum ground clearance for easy loading/unloading
- Smooth back design minimizes interference from push fan airstream
- Replaceable bolt-on edges included



ANGLE BLADES

WBM's Angle Blades provide versatility for land leveling, grading and dozing applications.

FEATURES & BENEFITS

- Available in standard or low ground pressure gauge styles for versatility
- Includes C-frame with hydraulic tilt and trunnions
- Enhanced machine balance and performance
- Compact design improves visibility and safety
- Optional dual tilt cylinder kit makes the blade fully hydraulic – allowing the operator to remain safely inside the cab, optimizing time and productivity

LOGGING ARCHES

WBM's Logging Arches have been field proven in rugged logging country and are adapted to a wide variety of special winching applications.

FEATURES & BENEFITS

- Four roller configuration permits maximum line pull from all angles with minimum cable wear
- Mounted directly on top of the winch and designed for easy removal
- Can be customized to fit most arch/winch combinations, regardless of tractor model or manufacture



COMPLETE PRODUCT LISTING

EXCAVATOR & LOG LOADER

Booms

Boom Lift Cylinder Adapter Kit
Long Reach Front
Quick Extension Stick

Brush Cutter

Rotary Cutter (ERC)
Rotary Flail (ERF)

Bucket Clamps (Thumbs)

Buckets

Cleanup Bucket
Concrete Removal Bucket
Ditching V Bucket
Extreme Service Bucket
Extreme Service Rock Bucket
HDD Bucket
Road Builder Bucket
TCB Chuck Blade
TCB Twist-A-Bucket
Frost Bucket

Couplers

Compactor/Hammer Adapter
Hydraulic Wedge
Manual Wedge
Pin-Grabber
Powertilt

Grapples

Butt-n-Top Grapple
Clam Grapple
Demolition/Contractors Grapple
HCL Grapple
Heel Grapple
Mat Grapple
Mag Grab Grapple
Orange Peel Grapple
CTL Dangle-Head Grapple

Guarding and Cabs

Cab Riser and Catwalks
Forestry Cab
FOPS (Falling Object Protection System)
Rock and Underhouse Guards

Rakes

Brush Rake
Mounding Rake

Stick Mounted Rippers

WHEEL LOADER

Blades/Plows

Hydraulic Angle Blade
Hydraulic Angle Snow Blade
Hydraulic Winged Snow Blade
Ice/Snow Scarifier
Manual Angle Blade
Moldboard Endgate Snow Plows
One Way Plow
Power Broom
Runway Plow (Ramp Hog)
Snow Wings
Straight Blade
U/V Angle Blade

Buckets

Bale/Silage Bucket
Coal Seam Bucket
Coal Bucket (Stockpiling)
Corral Bucket
Fertilizer Bucket
General Purpose Bucket
Light Material Bucket
Multi Purpose Bucket (4 in 1)
Rock Bucket
Rock Tine Bucket
Roll Out Bucket
Side Dump Bucket
Spreader Bucket
Wood Chip Bucket

Cable Reeler

Couplers

KAT Master Hitch
WLKAT Series KAT Master Hitch

Fork Racks

Bucket Forks
Forklift Masts
High Visibility Pallet Fork Rack
Peeler Fork
Pipe and Pole Fork Rack

Grapples

CTL Log Grapple
High Capacity CTL Log Grapple
Highlift Grapple
Log and Lumber Forks
Mat Grapple
Pipe and Pole Grapple
Tree Length Log Grapple

Jib Boom

Tire Handler

MOTOR GRADER

Blades

Hydraulic Angle Blade
Hydraulic Angle Snow Blades
Manual Angle Blade
Straight Blade
U/V Angle Blade

Counter Weight/Push Block

Cutting Edge Rack

Lift Group Front

Integral Lift Group
KAT Master Hitch Lift Group

Parallelogram Ripper

Plows

One Way Plow
V-Plow

Snow Wings

Hydraulic Mast Snow Wing
Hydraulic Mastless Snow Wing

CRAWLER DOZER

Blades

Coal Blades
Chip Blade
Manual Angle Blade
6 Way Power Angle/Tilt Blade

Forestry Attachments

Arches
Guarding

Parallelogram Ripper

Pipelayer ROPS

Rakes

Roll Over Protective Structures (ROPS)

Sideboom

SCRAPER

Plow

V-Plow

TRUCK HIGHWAY

Plows

One-Way Plow
Two-Way Plow

Sanding Equipment

Snow Wings

Front Mounted
Mid-Mounted

ARTICULATED

Box Liners

Dump Body

Ejector Boxes

Tail Gate

HEAVY HAUL

Box Liners

LOADER BACKHOE

Blades/Plows (Loader)

Hydraulic Angle Blade
Manual Angle Blade
Power Broom
Straight Blade
U/V Angle Blade

Bucket Clamps (Backhoe)

Buckets (Backhoe)

Cleanup Bucket
Concrete Removal Bucket
Ditching V Bucket
SDD Bucket
Twist-A-Bucket
TCB Chuck Blade
Frost Bucket

Buckets (Loader)

General Purpose Bucket

Couplers (Backhoe)

Compactor/Hammer Adapter
Manual Wedge
Powertilt

Couplers (Loader)

Hydraulic Quick Coupler
Manual Quick Coupler

Fork Racks (Loader)

Bucket Forks
High Visibility Pallet Fork Rack
Pipe and Pole Fork Rack Dual Top Clamp

Jib Boom (Loader)

Stick Mounted Ripper (Backhoe)

COMPACT EXCAVATOR

All Products

CUSTOM WORK

Blades

Excavator Blade

Buckets

Sidewalk Bucket
Shovel Front Conversion

Grapples

Pipe Tie-In Grapple

Guarding

Track Pad Re-Grouser

Jib Boom

Modified Jib Boom

Mining Truck

High Capacity Truck Body
Tail Gates
Truck Bumper

Pipelayer ROPS

Pipelayer ROPS

TRUCK-MOUNTED CRANES

23-50 Ton Models

Man-Baskets

Pile Drivers

www.weldco-beales.com

www.weldco-hydralift.com



WBM Edmonton

12155 - 154 Street, Edmonton AB, T5V 1J3

Toll Free

General Inquiries: 1 800 661 4155

Sales Direct: 1 866 205 7158

Parts Direct: 1 866 205 7159

Local

General Inquiries: 780 454 5244

Sales Direct: 780 453 5333

Parts Direct: 780 453 5329

Fax: 780 455 6770

WBM Langley

5770 Production Way, Langley BC, V3A 4N4

Toll Free

General Inquiries: 1 800 665 0511

Parts Direct: 1 866 533 8938

Local

General Inquiries: 604 533 8933

Sales Direct: 604 533 8933

Parts Direct: 604 533 8938

Fax: 604 530 2206

WBM Barrie

515 Welham Road, Barrie ON, L4N 8Z6

Toll Free

General Inquiries: 1 877 320 4286

Local

General Inquiries: 705 733 2668

Parts Direct: 705 733 2668 ext. 110

WBM Regional Sales Offices

Las Vegas, NV, USA

Phone: 702 544 1184

Toll Free: 1 800 665 0511

Santiago, Chile

Phone: +56 9 7139 5603

Toll Free: 1 800 661 4155

Washington, USA

Phone: 509-808-1059



Weldco Hydra-Lift

12155 - 154 Street, Edmonton AB, T5V 1J3

Toll Free:

General Inquiries: 1 866 WELDCO1

Local

General Inquiries: 780 454 5244

Fax: 780 455 6770