

B&D
MANUFACTURING
safe efficient solutions

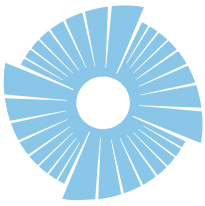
SINCE
1980

**Maintenance and Support Equipment
for the Mining Industry**



SURFACE MINING

EQUIPMENT & PRODUCT GUIDE



B & D
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Maintenance and Support Equipment for the Construction Industry



B & D Manufacturing designs, manufactures and distributes innovative products and technologies specifically developed to increase maintenance personnel safety, reduce operating downtime, improve efficiencies and increase production.

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1-800-668-0324



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+1-705-855-4134



PLEASE VISIT
to find a sales
representative or
distributor near you.



- Our OEM product line supports large haul trucks and heavy shovels at surface operations, as well as heavy equipment operating in underground mines.
- Skilled designers, engineering staff and trades personnel design and manufacture fully engineered, certified products in our state-of-the-art manufacturing facility.
- B & D Manufacturing invests significantly in new product development, manufacturing complex component handling equipment and fabricating custom-designed aluminum products to meet customers' unique needs.
- Highly qualified field services personnel can handle on-site emergency repairs and scheduled equipment maintenance, as well as all types of rebuild projects with accuracy and precision, on time and on budget.
- We have earned a solid reputation for supplying superior-quality equipment, products and aftermarket parts. Our knowledgeable sales professionals and front-line customer service teams are well-versed in a vast array of products, and committed to ensuring a positive customer experience.
- B & D Manufacturing has been exporting since 1983, and continues to enter new markets through a broad network of international distributors.

1-800-668-0324

Outside Canada and U.S.A.: +1-705-855-2363

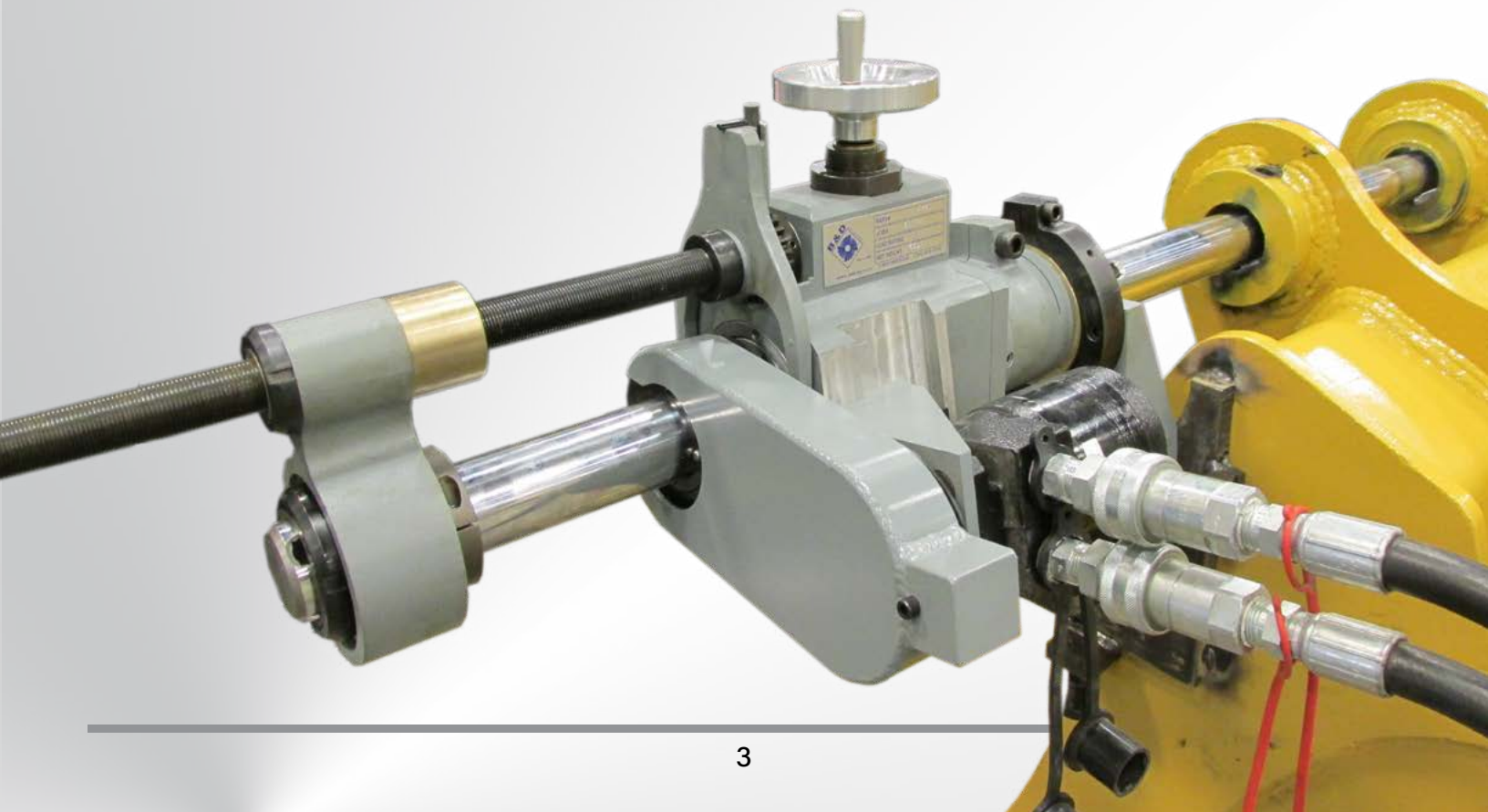
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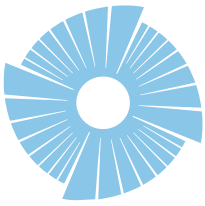
PORTABLE LINE BORING MACHINES

AM-1424, EV-2500, TM-8X

A truly portable and complete service tool for on-site or in-shop precision machining applications. B&D Portable Line Boring Machines are rugged, modular in design, and operate effectively with as little as 110V of power.

- B&D Portable Line Boring Equipment has been made since 1980
- Flow-through bar design allows for set-ups between bores
- Variable speed or quick-change fixed speed power
- Adjustable mounting system for ease of operation
- Remote pendant control
- All B&D Manufacturing boring bars are chrome plated for extra hardness and straightened for improved machining
- Hydraulic and electric versions available 1.5 hp to 5 hp
- Boring ranges from 0.8" (21 mm) to 24" (610 mm) bore





LINE BORING BARS



.875(7/8") LINE BORING BARS

SE-001-4AP	.875 X 4' Boring Bar Chrome C/W Plastic Tube, Double Tool Ports Every 12"
SE-001-6AP	.875 X 6' Boring Bar Chrome C/W Plastic Tube, Double Tool Ports Every 12"
SE-001-8AP	.875 X 8' Boring Bar Chrome C/W Plastic Tube, Double Tool Ports Every 12"

1.25" LINE BORING BARS



X-001-4A	1.252 X 4' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"
X-001-6A	1.252 X 6' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"
X-001-8A	1.252 X 8' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"
X-001-10A	1.252 X 10' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"

If plastic tube is preferred, part # would be X-001-AP example: 6' Plastic Is X-001-6AP

Note: 1.252" bars can be purchased with single tool ports every 6"

1.75" LINE BORING BARS



T-001-4AP	1.752 X 4' Boring Bar Chrome C/W Plastic Tube, Double Tool Ports Every 12"
T-001-6AP	1.752 X 6' Boring Bar Chrome C/W Plastic Tube, Double Tool Ports Every 12"
T-001-8AP	1.752 X 8' Boring Bar Chrome C/W Plastic Tube, Double Tool Ports Every 12"
T-001-10AP	1.752 X 10' Boring Bar Chrome C/W Plastic Tube, Double Tool Ports Every 12"
T-001-12AP	1.752 X 12' Boring Bar Chrome C/W Plastic Tube, Double Tool Ports Every 12"

If aluminum tube is preferred, part # would be T-001-A example: 6' aluminum is T-001-6A

Note: 2.002" And 1.752" bars can also be purchased with double tool ports every 6" or single ports every 6"

2" LINE BORING BARS



LA-001-4A	2.002" X 4' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"
LA-001-6A	2.002" X 6' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"
LA-001-8A	2.002" X 8' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"
LA-001-10A	2.002" X 10' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"
LA-001-12A	2.002" X 12' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"
LA-001-14A	2.002" X 14' Boring Bar Chrome C/W Aluminum Tube, Double Tool Ports Every 12"

Note: 2.002" and 1.752" bars can also be purchased with double tool ports every 6" or single ports every 6"

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Outside Canada and U.S.A.: +1-705-855-2363

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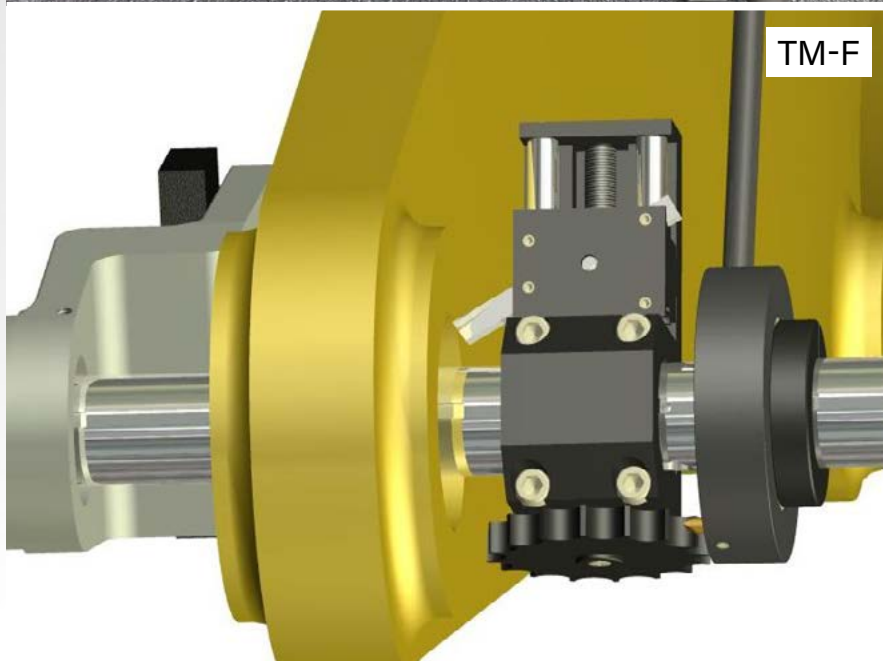
LINE BORING FACING ATTACHMENTS - FACING ATTACHMENTS

AM-F, TM-F

Facing range from 4" to 12"
(100 mm to 305 mm).

The swing diameter is
approximately 14 1/4".

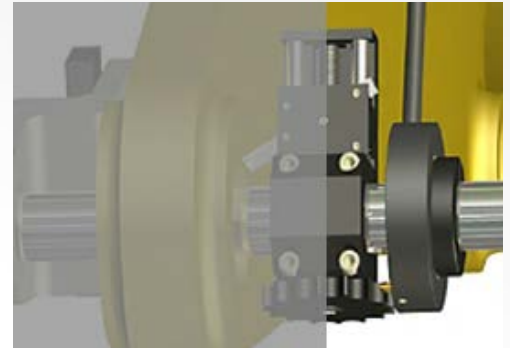
AM-F Used with 2" boring bars
TM-F Used with 1 3/4" boring bars





LINE BORING FACING ATTACHMENTS - STRIKER RING **TM-SP-30**

The striker ring is used with the star wheel to advance the tool bit automatically. To advance the tool bit you have to secure the striker ring in one position. This is done by placing a rod into the striker ring and securing it to the workpiece. Once the machining is complete, remove the rod and the striker ring will rotate with the facing head and the tool bit will not advance any further.



LINE BORING MEASURING TOOLS - **OVER THE BAR MICROMETER** **OBM-4510**

RANGE 4.75" TO 11.5"

The simple solution to large bore measurement. This tool measures the bore without having to remove the boring bar, measuring from wall to wall giving you the same dimensions as an inside micrometre and accurate to thousandths of an inch. Comes complete with body, extension rods and adjustable micrometre in a fitted case.



LINE BORING MEASURING TOOLS - **OVER THE BAR MICROMETER** **OBM-8529**

RANGE 8.5" TO 29"

The simple solution to large bore measurement. This tool measures the bore without having to remove the boring bar, measuring from wall to wall giving you the same dimensions as an inside micrometre and accurate to thousandths of an inch. Comes complete with body, extension rods and adjustable micrometre in a fitted case.



BORE MEASURING TELESCOPING GAUGE TBMT-2300

RANGE 1.75" TO 6" (45 MM - 150 MM)

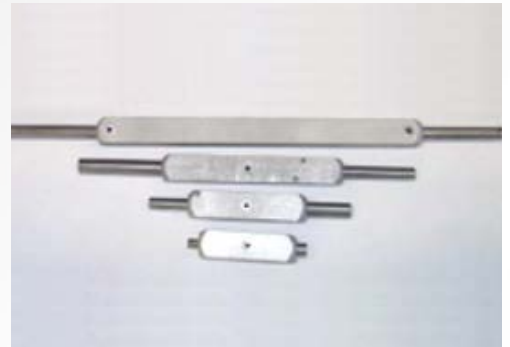
The telescoping gauge measures the I.D. of the bore through an open broached tool port in the B&D boring bar. It is spring-loaded so the operator can get an exact measurement (within .001") without having to remove the boring bar from the bore. Designed with hardened measuring tips for rugged durability and consistent accuracy. This superior quality translates to a longer-lasting tool and increased savings.



BORE MEASURING TELESCOPING GAUGE TBMT-2300-TEN

RANGE 1.75" TO 10" (45 MM - 254 MM)

Fits through all B&D boring bars with broached 1/2" and 3/8" tool ports. The telescoping gauge measures the I.D. of the bore through an open tool port in the boring bar. It is spring-loaded so the operator can get an exact measurement (within .001") without having to remove the boring bar from the bore.

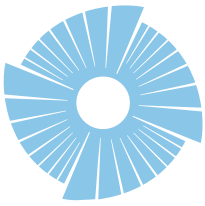


BORE MEASURING TELESCOPING GAUGE - 3/8" TOOL PORTS TBMT-2500

RANGE 1.25" TO 5" (45 MM - 127 MM)

Fits through all B&D boring bars with broached 3/8" tool ports. The telescoping gauge measures the I.D. of the bore through an open tool port in the boring bar. It is spring-loaded so the operator can get an exact measurement (within .001") without having to remove the boring bar from the bore.





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DIAL TOOL ADJUSTER

DTA-2700-D



2" machine packages. The unique B&D DTA provides accurate adjustment to the cutting depth of the HSS or carbide tool bit to within a hundredth of an inch. Using the DTA is easy. Just slip it over the tool bit and rest it against the boring bar. Clamp the tool bit to the DTA by tightening the set screw.

Zero the dial gauge and release the tool bit from the boring bar. Turning the knurled brass nut pulls the tool bit to the desired length. Relock the tool bit to the boring bar, release the DTA and you're done. Comes complete with a dial gauge and adjustment blocks to bar diameter.

Please contact the order desk for additional details. Models listed below are used with specific machine packages or bore sizes.

BORING HEADS

AM-24



Large boring head for machining bores to 24".

CENTERING CONE EXTENSION LACC-685

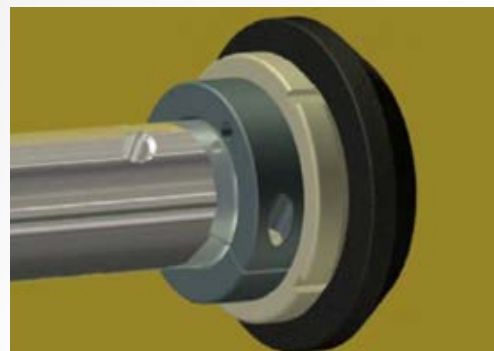
Cones are used to centre the boring bar to the bores. The LACC-685 extends the cone range from 6" to 8 1/2" diameter.



CONE TIGHTENER LACC-2900

The Cone Tightener consists of 3 parts:
locking collar, threaded ring and lock nut.

To tighten the cones to the bore, place the threaded ring which has the lock nut and locking collar, on each side of the cones. Tighten the locking collars in place. Using the supplied spanner wrench, tighten the lock nut onto the cone which in turn tightens the cones into the bores.



4 1/2" - 25" SPIDER IBS-4625

The Spider is used when it is impossible to use a bar support for example, where the bore you are machining is 3' to 4' long. You need some type of support so you would insert a spider in the bore to support the bar.





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FOLLOWER REST **FR-2600**

The Follower Rest is used when the bore is too small for a spider, or when a continuous cut is needed for an extended length and a support cannot be placed along the bore.



AUTOMATED BORE WELDING SYSTEMS **BOA-408I, 5 MODELS AVAILABLE S1-S5**

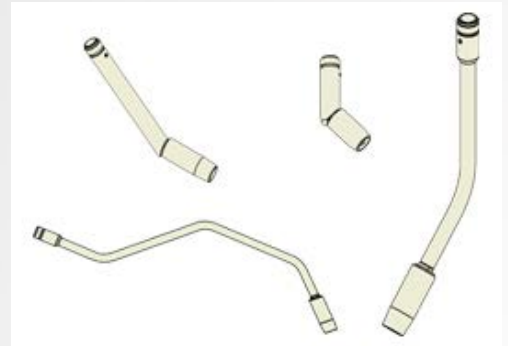


The BOA portable welder system saves both cut, welding time, and machining time with smooth, high-quality welders on internal and external diameters.

- All bore welder packages feature an exclusive
- Pass-through drive system design enabling bore-to-bore
- Transitions by telescoping or retracting the bore welder gun
- Extension assembly
- Diameter adjustment is easy with the BOA torch pivot
- Mechanism included with all BOA-408I welder systems
- BOA series bore welders offer diameter ranges from
- 0.8" (21 mm) to 48" (1220 mm)

BORE WELDING GUNS

- A328 Gun, short QC
- A313 Gun, standard QC
- A336 Gun, micro QC for IDs: 20 mm - 50 mm (0.8" - 2.0")
- A310 Gun, large diameter QC for IDs: 200 mm - 380 mm (8" - 15")
- A317 Gun, outside diameter QC for IDs: 25 mm - 305 mm (1" - 12")



BORE WELDER SPECIALTY GUNS

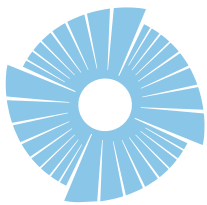
- A333 Handheld gun assembly QC
- A133 Beam gun kit: adjustable ID and OD welding
- A127 Face welding gun kit



BORE WELDER GUN EXTENDERS

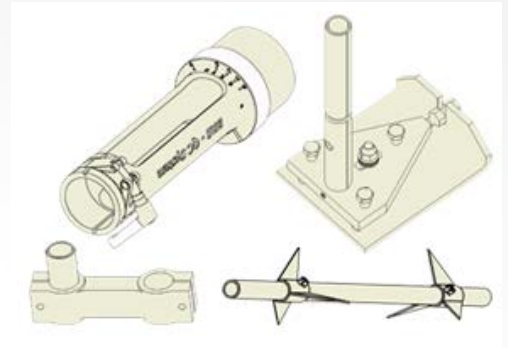
- A309 Gun extension assembly: 150 mm (6")
- A335 Gun extension assembly: 250 mm (10")
- K13.12 Gun diameter extension kit: 125 mm (5") x 2





BORE WELDER SUPPORTS

- K11.11 "T" Base with tack plate and tool
- K31.21 "A" Base with tack plate and tool (compact)
- A329 Universal Hex mount Use with BOA-M1 only
- A308 Radial Support Use with BOA-M1 only
- 3099 Support Tube Use with BOA-M1 only
- K31.11 Centre Support Kit Use with BOA-M1 only
- K11.21 Centre Support Kit Use with BOA-408i only
- A118 Radial Support Extension: 102 mm (4")
- A119 Radial Support Extension: 204 mm (8")
- K11.12 Centering tube & cone kit: 45 mm - 160 mm (1.8" - 6.4")



BORE DRIVE SPINDLES

- A320 Spindle assembly: 250 mm (10") - Use with BOA-M1 only
- A325 Spindle assembly: 356 mm (14")
- A319 Spindle assembly: 457 mm (18")
- A326 Spindle assembly: 610 mm (24")



BORE WELDER M1 POWER OPTIONS

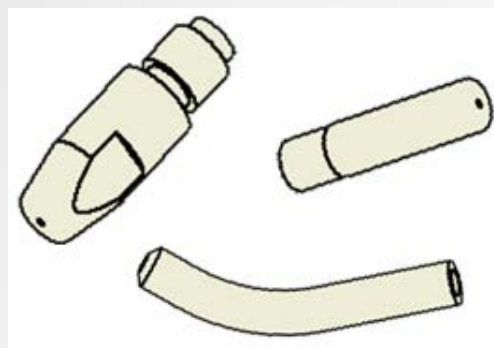
- A303 Motor, red for bores: 20 mm - 120 mm (0.8" - 4.5")
- A323 Motor, white for bores: 50 mm - 280 mm (2" - 11")
- A322 Motor, blue for bores: 250 mm - 1000 mm (10" - 40")
- K11.12 Motor control: 12V AC / 120V AC / 240V AC Input



BORE WELDING TIPS

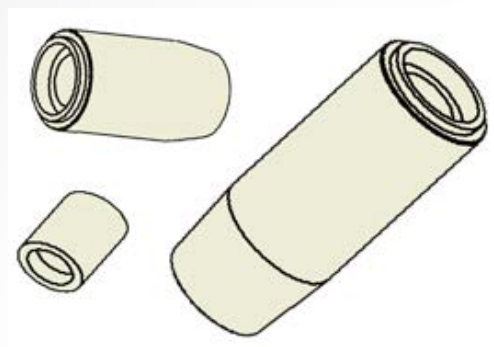
BORE WELDING TIPS

1058	Stub tip: 0.8 mm (0.030")
1059	Stub tip: 0.9 mm (0.035")
1060	Stub tip: 1.2 mm (0.045")
1061	Standard tip: 0.8 mm (0.30")
1062	Standard tip: 0.9 mm (0.35")
1063	Standard tip: 1.2 mm (0.45")
2040	Hi-amp tip: 0.9 mm (0.035")
2041	Hi-amp tip: 1.2 mm (0.045")
2042	Hi-amp tip: 1.3 mm (0.052")
1255	Micro-gun tip: 0.8 mm (0.030")



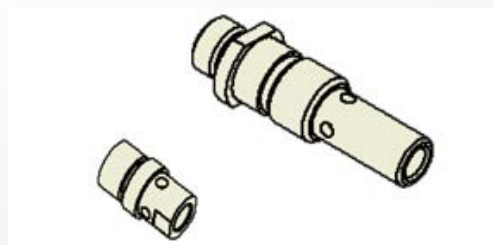
BORE WELDING NOZZLES

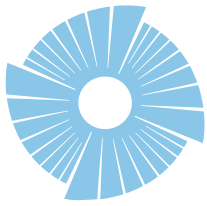
1092C	Mini nozzle, insulated ceramic: 32 mm - 50 mm (1.25" - 2.0")
1092B	Mini nozzle, brass: 32 mm - 50 mm (1.25" - 2.0")
1066	Stub nozzle: use for diameters to 50 mm (2.0")
1067	Standard nozzle: use for diameters over 127 mm (5.0")
2067	Hi-amp nozzle: for use on beam & hi-amp gun
2074	Hi-amp stub nozzle: for use on beam & hi-amp gun
1258	Micro-gun nozzle body
1308	Handheld gun nozzle



BORE WELDING DIFFUSERS

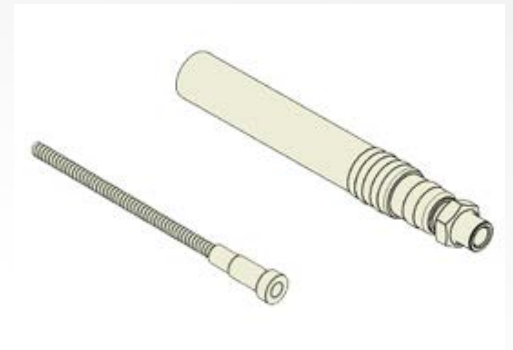
1093	Mini diffuser
1057	Standard diffuser
2068	Hi-amp diffuser
2075	Hi-amp stub diffuser
2039	Hi-amp diffuser to gun adapter





LINER & CONDUIT

- 1038 Liner, conduit replacement
- 1039 Liner, trim to fit: 1.5m (5') section
- A315 Conduit assembly, standard duty QC
- A337 Conduit assembly, heavy duty QC
- A338 Conduit assembly, extra heavy duty QC



BORE WELDING WIRE

- 1103 Large cast bore welder wire: 0.8 mm (0.030")
 - 1202 Large cast bore welder wire: 0.9 mm (0.035")
- Superior weld bead tracking with this wire



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B & D EVOLUTION JACKS

EJ200, EJ240



When maintenance is required on your fleet of Mining Haul Trucks, the B & D Evolution Jack can lift & secure the world's largest mining haul trucks. For excellent stability when removing and re-installing tires and wheel groups from trucks.

This equipment is the only certified two point lifting jacking system for the 240 ton to 400 ton (217 MT to 363 MT) Mining Haul Trucks.

The B & D Evolution Jack enables maintenance personnel to perform required maintenance to your vehicles in a secure, safe manner. Easy to operate and requiring only one individual, the B & D Evolution Jack is also an Engineered Safety Stand. If you need to use the Evolution Jack to lift other vehicles before the work is complete, simply add B & D Engineered stands. The Evolution Jack uses a wireless remote that senses tonnage, tilt and limits.

The EJ200 will lift all vehicles Komatsu or Cat (240 ton to 400 ton), and the EJ240 is for customers who have dedicated CAT 797 Haul Truck Fleets.

Custom lifting attachments can be designed for lifting your specific trucks.



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B & D MULTI HANDLER WMH-E-AC, WMH-E-DC, WMH-D

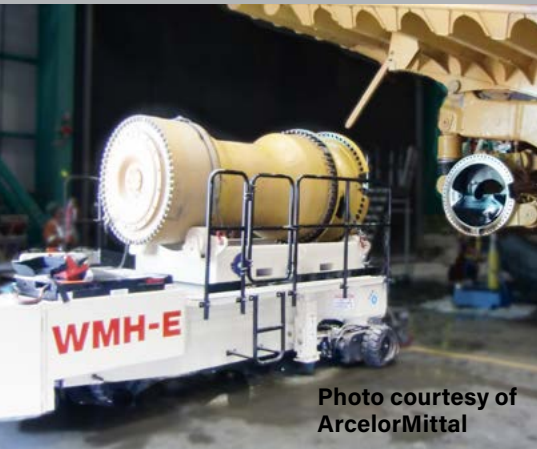


Photo courtesy of
ArcelorMittal



Increase safety, turnaround time and availability to your trucks using existing shop floor space. Designed for Caterpillar, Komatsu and Liebherr haul truck wheel motors, the B & D Multi Handler is Engineer certified and supported by B & D Manufacturing and distributors.

- Certified heavy-duty frame to hold 50 tons (45 MT)
- Complete movement of wheel motor: X, Y, Z, Yaw, Pitch and Roll including rotation on cradle cams
- Computer controlled and wireless radio remote operated
- Diesel, DC battery or AC powered models available
- 6 all-wheel drive, heavy-duty grip, aggressive traction tires
- All 3 drive assemblies steer 45 degrees both directions (left/right) for 90 degrees in total
- Safe work platform with handrails

B & D MULTI HANDLER ATTACHMENTS

We manufacture a wide range of accessories for the removal and replacement of truck parts via the B & D Multi Handler's quick attachment connectors.

- Pedestal Boom
- Front Strut Removal Tool
- Spindle Hub Removal Tool
- Corner Group Removal Tool
- Rear Wheel Group Removal Tool

Custom designed accessories to suit your fleet.



CORNER GROUP TOOL WMHA-CGT-U

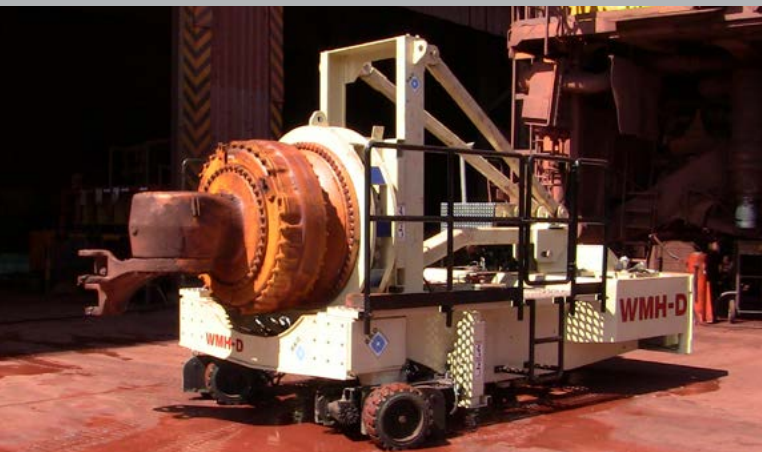


The Corner Group Tool attaches to the main frame of the B & D Multi Handler. This attachment serves as a 3-in-1 tool through the use of various adapter attachments to install and remove either the haul truck's entire front corner group (spindle/brake assembly and front suspension cylinder) as one complete unit or the spindle/brake assembly and the front suspension cylinder split from each other as two separate units. Hydraulic cylinder motion is controlled with the B & D Multi Handler wireless radio remote controller.

- Adapter attachments built with work platforms for mechanics
- Tilts spindle/brake and suspensions to accommodate balanced lift from an overhead crane
- The newly designed Corner Group Tool can pick up the corner group from a pallet sitting on the ground

Custom designed adapter ring assemblies to suit your fleet.

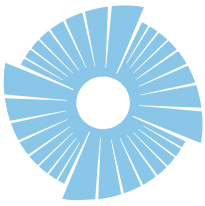
SPINDLE HUB BRAKE REMOVAL TOOL WMHA-SHBRT-U



The Spindle Hub Brake Removal Tool attaches to the main frame of the B & D Multi Handler to install and remove the haul truck's split front spindle/brake assembly from the front suspension cylinder through the use of adapter attachments. Hydraulic cylinder motion is controlled with the B & D Multi Handler wireless radio remote controller.

Custom designed adapter ring assemblies to suit your fleet.

SHBRT-ADP-730E, SHBRT-ADP-860E, SHBRT-ADP-960E,
SHBRT-ADP-793, SHBRT-ADP-797



FRONT STRUT REMOVAL TOOL **WMHA-FSRT-U**



The Front Strut Removal Tool attaches to the main frame of the B & D Multi Handler to install and remove any model front strut (corner group) through the use of adapter rings.

Hydraulic cylinder motion is controlled with the B & D Multi Handler's wireless radio remote controller.

Built with an integrated work platform.

Tilts strut and hub to accommodate a balance lift from an overhead crane.

Custom designed adapter ring assemblies to suit your fleet.

FSRT-ADP-793, FSRT-ADP-797, FSRT-ADP-830E, FSRT-ADP-930E

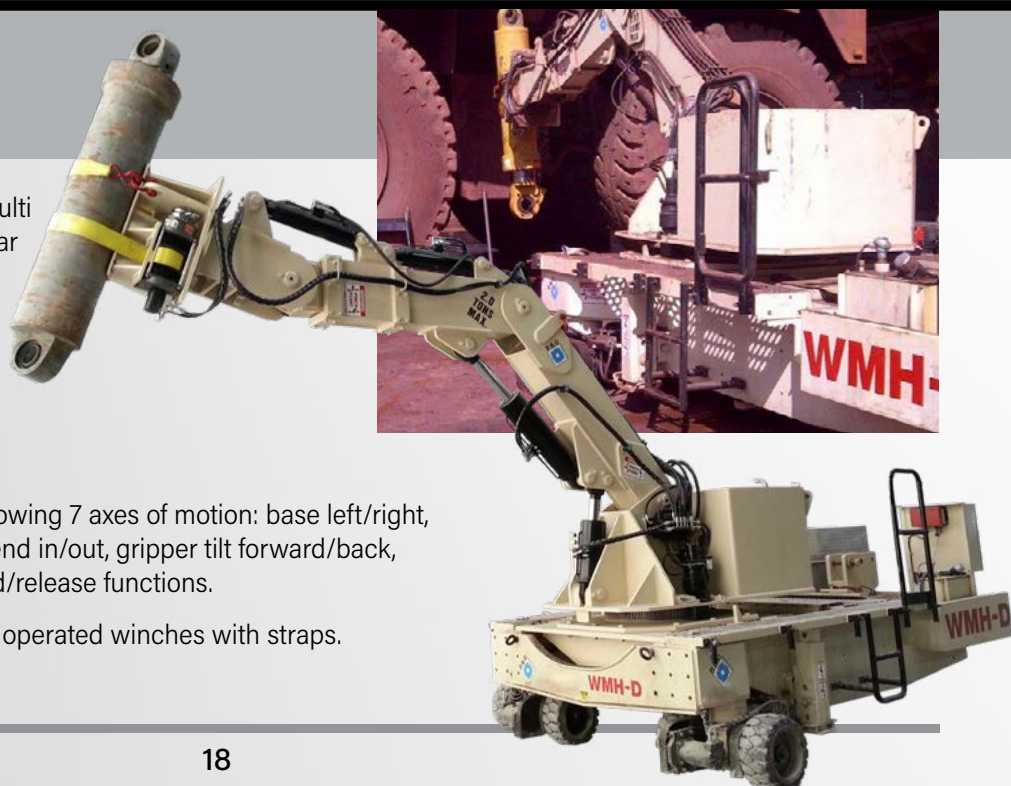
PEDESTAL BOOM **WMHA-PB-2**

This attachment mounts to the base B & D Multi Handler and is used to install and remove rear struts and main hoist (dump body) cylinders.

Control of the Pedestal Boom functions has been integrated into the B & D Multi Handler's wireless radio remote controller and base unit with our latest product offering.

The operator can individually control the following 7 axes of motion: base left/right, boom up/down, dipper up/down, dipper extend in/out, gripper tilt forward/back, gripper angle left/right and gripper grab hold/release functions.

Gripper assembly includes two hydraulically operated winches with straps.

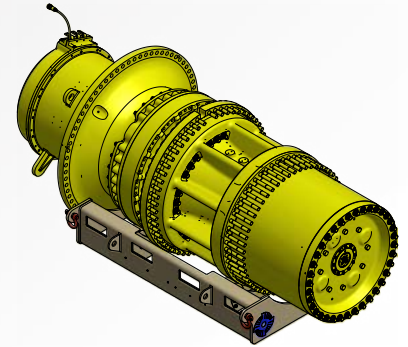
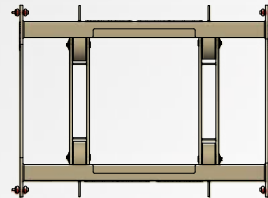
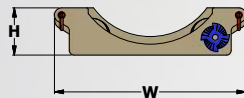
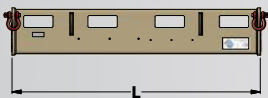


REAR WHEEL GROUP REMOVAL TOOL WMHA-RWG-XXXX

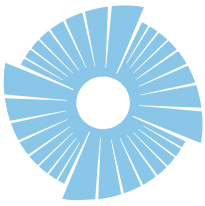


The Rear Wheel Group Removal tool attaches to the B & D Multi Handler cross slide assembly to install and remove truck wheel motor (final drive) assemblies.

Custom designed attachment to suit your fleet.



OEM TRUCK	PART NUMBER	LENGTH	WIDTH	HEIGHT	WEIGHT
KOMATSU 730E	WMHA-RWG-730E	92" (2337 mm)	66" (1677 mm)	17" (432 mm)	2,102 lb (954 kg)
KOMATSU 830E	WMHA-RWG-830E	90" (2286 mm)	66" (1677 mm)	18" (458 mm)	1,739 lb (789 kg)
KOMATSU 830E-5	WMHA-RWG-5GEB36	92" (2337 mm)	66" (1677 mm)	17" (432 mm)	1,925 lb (873 kg)
KOMATSU 860E	WMHA-RWG-860E	86" (2185 mm)	66" (1677 mm)	19" (483 mm)	2,132 lb (968 kg)
KOMATSU 930E-1	WMHA-RWG-5GDY85	86" (2185 mm)	66" (1677 mm)	17" (432 mm)	1,900 lb (862 kg)
KOMATSU 930E-4	WMHA-RWG-5GDY106	86" (2185 mm)	66" (1677 mm)	17" (432 mm)	1,900 lb (862 kg)
KOMATSU 960E	WMHA-RWG-960E	86" (2185 mm)	66" (1677 mm)	20" (508 mm)	1,981 lb (899 kg)
KOMATSU 980E	WMHA-RWG-980E	93" (2362 mm)	66" (1677 mm)	19" (483 mm)	2,102 lb (954 kg)
CATERPILLAR 785	WMHA-RWG-785	95" (2413 mm)	66" (1677 mm)	15" (381 mm)	2,100 lb (953 kg)
CATERPILLAR 793	WMHA-RWG-793	86" (2185 mm)	66" (1677 mm)	19" (483 mm)	2,130 lb (967 kg)
CATERPILLAR 795F	WMHA-RWG-795F	86" (2185 mm)	66" (1677 mm)	18" (458 mm)	1,865 lb (850 kg)
CATERPILLAR 797	WMHA-RWG-797B	100" (2540 mm)	66" (1677 mm)	27" (686 mm)	1,607 lb (729 kg)
HITACHI 5000	WMHA-RWG-5000	92" (2337 mm)	66" (1677 mm)	17" (432 mm)	2,102 lb (954 kg)
LIEBHERR	WMHA-RWG-T284	93" (2362 mm)	66" (1677 mm)	19" (483 mm)	2,102 lb (954 kg)



BDHJ-35 HYDRAULIC JACKING SYSTEM

BDHG-35



The BDHJ-35 offers a safe solution to lifting larger pieces of mining, construction or forestry equipment. Capacity of 70 ton (2 35 ton Jacks) or 140 ton (4 35 ton Jacks). Ideal for lifting large wheel loaders, dozers, excavators, scoop trams, haul trucks, forestry equipment.

FEATURES ALSO INCLUDE:

- Electric Hydraulic Pump
- Manual Valve, 25l tank
- Feature 1.176 l / minute
- 110V, 20Amp, 60HZ motor
- Includes (2) Thermoplastic hoses X 20'
- Pump mounted to Aluminum cart with protective roll bars and casters
- 35 ton Capacity jacks
- 6" stroke
- Range 12.5" - 27.5" with extensions
- c/w locking collar, spring loaded casters, fork pockets
- One 3" & 6" extensions, and one steel top cap per jack

BELLY PAN REMOVAL TOOL

BPRT

Extremely compact design to be made to get under most construction, forestry, or mining equipment.

FEATURES ALSO INCLUDE:

- Scissor Lift Height 19.5" – 76.25"
- Lifting Capacity 750KGS
- Engineered Certified
- Hydraulically driven
- Battery Powered
- Fully remote control
- Designed from the removal or installation of belly pans, bucket cutting edges, cylinders, skid plates or any other light duty lifting application



HEAVY DUTY STANDS
HDS-XX-XX-XX



- Engineer certified
- Heavy duty stands maintain a safe working environment
- Lightweight, heavy-duty aluminum construction resists abuse from oil, salt and weather
- Heights: 12" (305 mm) to 96" (2439 mm)
- Capacity: 13.5 tons (12 MT) to 150 (136 MT) tons
- When working on heavy machinery you need incredibly sturdy and dependable equipment.

HDS-13.5-XX-XX	WEIGHT CAPACITY	HEIGHT RANGE	BT-BALL TRANSFER OR FW-FORK WAYS
HDS-30-XX-XX			
HDS-50-XX-XX			
HDS-70-XX-XX			
HDS-100-XX-XX			
HDS-150-XX-XX			
	13.5 t - 150 t	12" - 96"	
	(12,250 kg - 13,6078 kg)	(305 mm - 2,438 mm)	



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EHDS HEAVY DUTY STAND SYSTEM

EHDS-XX-XX-XX



B & D Manufacturing versatile Heavy Duty stand system with adjustment caps that provide additional height adjustment of 2" -22". The stands are available in two capacities of 65 ton and 125 ton per stand. The base height of the stand is available in two sizes 17 3/4" and 37 3/4" base heights. The stands come complete with fork pockets, and dolly lifting knobs. Most systems utilize a lifting dolly. Achieve all your height requirements in one simple system.



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HEAVY DUTY BOOM STANDS HDS-XX-XX-XX

These custom stands can be designed with various heights and capacities. Meant for larger wheel loaders from CAT or Komatsu.



BLOCKING KIT A27000, A27000-100



- Engineer certified
- Lightweight cribbing for heavy equipment replaces traditional wood cribbing
- Single block stacking up to a maximum of 24" (610 mm) can support up to 50 tons (45,000 kg)
- Crib-style blocking to the same height can support up to 100 tons (91,000 kg)



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SPREADER BAR ASSEMBLY SB-XXX

Spreader Bars are made to meet customer's expectations. They also range in size and capacity. Meant for larger CAT, Komatsu or Liebherr mining haul trucks.



TORQUE TUBE STANDS TTS-XXXX



The torque tube stands are custom made for Komatsu or CAT large mining haul trucks.

TRACK ROLLER REMOVAL TOOL TRRT-FRAME, TRRT-S-XXXXX

TRRT-FRAME

Forkway Frame

TRRT-S-HITACHI5500TR

Hitachi 5500 Track Roller Saddle Attachment

TRRT-S-PH4100RIR

P&H 4100 Rear Inner Roller Saddle Attachment

TRRT-S-PH2800RIR

P&H 2800 Rear Inner Roller Saddle Attachment

TRRT-S-PH4100LTR

P&H 4100 Lower Track Roller Saddle Attachment

TRRT-S-PH2800LTR

P&H 2800 Lower Track Roller Saddle Attachment

TRRT-S-RH340LTR

RH340 Lower Track Roller Saddle Attachment

TRRT-S-PC5500LTR

PC5500 Lower Track Roller Saddle Attachment

Custom designed and manufactured attachments available.



DIPPER DOOR WEDGE DDW-XX-SP



The B & D Dipper Door Safety Wedge is designed to secure the dipper door in place during maintenance activities.

- Engineer certified
- Simple to install and comes with standard operating procedures for comprehensive personnel training
- Easy to handle because it is made of lightweight aluminum
- Safe and reliable





WHEEL CHOCKS

WC-XX



All B & D Manufacturing aluminum wheel chocks are Engineer certified.

- With the size and capacity of modern haul trucks growing continuously, so does the need for providing a safe and effective wheel chock. B & D Manufacturing offers an advanced engineering solution integrating a lightweight aluminum tubular design, providing an incredibly strong wheel chock that any individual or operator can easily lift and maneuver.
- Upon actual load testing, B & D Manufacturing's wheel chocks outperform the competition's wheel chocks on ice pack, compacted aggregates, concrete and normal construction surfaces. Our superior grip design eliminates the need for any additional rubber mats or ground preparation.
- Our high capacity wheel chocks for haul truck applications are lighter than the competition, allowing for easy handling and positioning.

CONSIDERATIONS AND WARNINGS

- Improper usage may result in product failure and can cause injury or property damage. Read and understand operating instructions thoroughly before using.
- Individual end user testing required to ensure proper chock selection and function
- Always use in pairs
- Multiple pairs may be required in extreme applications
- Always use on firm surfaces
- Chock designed for normal haul road grades (WC-8, WC-10, and WC-12 do not exceed 20%)
- Chock designed for normal haul road grades (WC-15, WC-17, and WC-20 do not exceed 10%)
- Chock in direction of grade
- Chock both sides of tire if direction of grade is unknown
- Use only after parking brake is applied and tested
- Center chocks firmly and squarely against tire
- Wheel chocks are not to be driven over



TIRE DIAMETER RANGE

	Up to 54" (137.2 cm)	Up to 75" (190.5 cm)	Up to 82" (203.9 cm)	Up to 106" (269.3 cm)	Up to 142" (360.7 cm)	Up to 159" (404 cm)
Up to 40,000 lb (18,143.7 kg)	WC-8 3.7kg (8.2 lb) (2 required)	WC-10 5.7kg (12.5 lb) (2 required)	WC-12 8.7kg (19.2 lb) (2 required)			
Up to 120,000 lb (54,451 kg)		WC-10 5.7kg (12.5 lb) (2 required)	WC-12 8.7kg (19.2 lb) (2 required)			
Up to 203,000 lb (92,000 kg)			WC-12 8.7kg (19.2 lb) (2 required)	WC-15 11.3 kg (25 lb) (2 required)	WC-17 14.8kg (32.6 lb) (2 required)	WC-17 14.8kg (32.6 lb) (2 required)
Up to 403,000 lb (182,797.7 kg)				WC-15 11.3 kg (25 lb) (2 required)	WC-17 14.8kg (32.6 lb) (2 required)	WC-17 14.8kg (32.6 lb) (2 required)
Up to 860,000 lb (390,089.5 kg)					WC-17 14.8kg (32.6 lb) (2 required)	WC-17 14.8kg (32.6 lb) (2 required)
Up to 1,375,000 lb (623,689.5 kg)						WC-17 14.8kg (32.6 lb) (4 required)
Up to 1,375,000 lb (623,689.5 kg)						WC-20 19.9kg (43.8 lb) (only 2 required)





B & D SWING SHAFT CHANGER **SSC-3.5-PH**

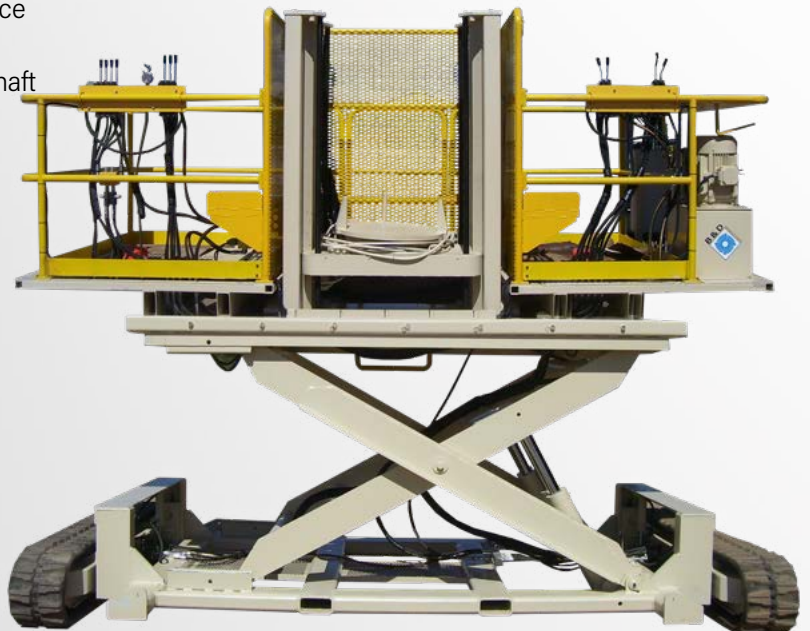


An easy, fast and safe way to replace and service the swing shafts for P&H 2300, 2800 and 4100 shovels.

- Features 7-axis of motion for swing shaft placement
- Base scissor lift extends 48" (1,219 mm)
- Main deck has 10" (254 mm) X movement and 12" (305 mm) Y movement
- The main tower is mechanically linked by 4 Acme threads providing 64" (1,625 mm) of stroke
- The main swing shaft table has an XY cradle movement (up to 6 degrees of motion) which gives the ability to place the shaft within a sphere
- The final axis is a 30 degree rotation of the main swing shaft

table (this accommodates meshing of the gears)

- Designed to lift and support 7,000 lb (3,175 kg) load
- 3 Phase AC powered direct from shovel, 10 hp electric motor
- 3 GPM 2,800 psi manual hydraulic control system
- Provides a safe work platform with hand railing
- GVW 6.25 tons (5.7 MT)
- Equipment is designed to be moved with fork style equipment and features a track drive system for final positioning



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REAR ACCESS PLATFORMS FOR LARGE MINING HAUL TRUCKS

Rear Access Platforms for Large Mining Haul Trucks.

- Engineered certified
- CAT
- Komatsu
- Liebherr



FRAME FALL PROTECTION KIT - MINING HAUL TRUCKS

B & D makes a variety of engineered stairways and work platforms. Improving Safety while increasing production.





ROLLING STEP PLATFORMS **ARSP-X-HR (X = # OF STEPS)**



- Engineer certified, with a 500 lb (227 kg) load rating
- Fabricated in lightweight, high-strength aluminum
- Hinged front and back safety bars with locking pin
- Bolt-on replaceable hand railings with all models
- 2 wheels for ease of mobility
- Superior shur-grip steps and top platform for anti-slip surface
- Grade 8 zinc-plated fasteners
- 3 to 10 steps

MANUALLY PROPELLED STAIRS **AMPS-30-XXX (X = HEIGHT IN INCHES)**



- Engineer certified, with a 500 lb (227 kg) load rating
- Heavy-duty design, in lightweight, high-strength aluminum
- Hinged front and back safety bars with locking pin
- Modular design, all components replaceable
- 2 swivel casters and 2 rigid casters for ease of mobility and positioning
- Heights available: 99" (2,515 mm), 108" (2,744 mm), 117" (2,972 mm), 126" (3,201 mm), 135" (3,429 mm), 144" (3,658 mm)

STEP PLATFORMS **ASP-X, ASP-X-HR (= # OF STEPS HR = HAND RAILING)**

B & D Manufacturing's ultra-light-duty aluminum step platforms are fabricated as a full weldment design. These can be easily moved into position with little effort. They are ideal for quick maintenance work in and around equipment. Superior shur-grip steps and top platform provide an anti-slip surface to withstand all weather conditions.

- Engineer certified, with a 300 lb (136 kg) load rating
- Fabricated in lightweight aluminum
- 1 to 5 steps available



BOX WORK PLATFORM

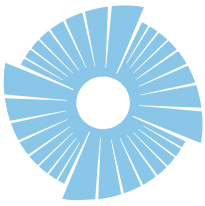


Designed to give technician's safe, easy access to the inside of the Mining Haul Truck Dump Box to perform and assess repair and installation work. Excellent to give access to repair or install box liners.

The Box work platform is custom designed for all Cat, Komatsu, Liebherr Mining Haul trucks and includes the following:

- HD Aluminum stair & platform system
- Shurgrip Stairs
- HD rolling casters
- Fork pockets
- Base stabilizers
- 500 lb live load capacity
- Handrails
- Dump Box Guardrail System





FUEL TANK STAIRS

AMPS-30-XXX-SP (X = HEIGHT IN INCHES)



B & D Manufacturing's heavy-duty aluminum fuel tank stairs have the same characteristics as our aluminum manually propelled stairs product line, but with added features. This is the industry's first stair to safely allow access to the frame of many common haul trucks by way of a hinged boarding ramp that rests on the fuel tank.

- Superior shur-grip steps and top platform provide an anti-slip surface that also withstands all weather conditions
- Engineer certified, with a 500 lb (227 kg) load rating
- Hinged front and back safety bars with locking pin.

- Modular design, all components replaceable
- 2 swivel and 2 rigid casters for ease of mobility
- 2 front floor locks and 2 rear outriggers for stability
- 8" (204 mm) x 4" (102 mm) fork pockets for transporting
- 9" (229 mm) step raise, 30" (762 mm) wide
- 99" (2,515 mm) to 144" (3,658) tall models available
- Heights available: 99" (2,515 mm), 108" (2,744 mm), 117" (2,972 mm), 126" (3,201 mm), 135" (3,429 mm), 144" (3,658 mm)

HOIST CYLINDER STAIR

AMPS-19.5-88-WP-SP



B & D Manufacturing's aluminum hoist cylinder stair is a narrow-design aluminum stair that is application specific, fitting in between the fuel/hydraulic tanks and tires to access the hoist cylinder during maintenance and repair work.

- Engineer certified, with a 500 lb (277 kg) load rating
- Fabricated in lightweight, high-strength aluminum
- 2 swivel and 2 rigid casters for easy mobility and positioning
- 2 front floor locks, 2 rear leveling outriggers for stability
- Right and left-side hinged 22 1/2" (572 mm) x 40 1/2" (1,029 mm) resting platforms
- Adjustable back slide bars to contour the cylinder to prevent fall hazard
- 8" (204 mm) x 4" (102 mm) fork pockets for transporting
- Superior 7" (177 mm) x 19 1/2" (496 mm) shur-grip steps and 19 1/2 (496 mm) x 48" (1,220 mm) top platform for anti-slip surface
- Grade 8 zinc plated fasteners

DOZER/EXCAVATOR TRACK ACCESS STAIR AMPS-30-90-SP

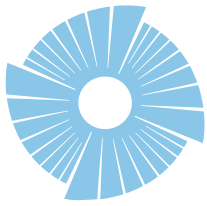
- Engineer certified, with a 500 lb (227 kg) load rating
- Fabricated in lightweight, high-strength aluminum
- Large 30" (762 mm) x 74" (1880 mm) cantilever top platform for over-the-track access
- Steel counterweight provides exceptional counter balance
- 2 swivel casters and 2 rigid casters for ease of mobility and positioning
- 2 front floor locks, 2 rear leveling outriggers for stability
- Right-side and left-side hinged 22" (559 mm) x 45" (1,143 mm) ramps to access tracks
- Removable back handrail section
- Swing out handrails for ramps
- Superior shur-grip steps for anti-slip surface



ELEVATING PLATFORM STAIR AMPS-24-116-164-EP



- Engineer certified, with a 500 lb (227 kg) load rating
- Fabricated in lightweight, high-strength aluminum
- Large 30" (762 mm) x 48" (1,220 mm) cantilever top platform with front and back gates
- Equipped with 6" (153 mm) x 3" (77 mm) phenolic wheel casters for low rolling resistance, which makes for easy maneuverability
- 2 leveling outriggers for stability
- Superior shur-grip steps for anti-slip surface
- 8" (204 mm) x 4" (102 mm) fork pockets for transporting
- On board 110 V.A.C. Hydraulic power pack equipped with a wash-guard motor which is suitable for wet locations and capable of withstanding direct water spray
- Radio frequency control for up/down/e-stop equipment control from the upper platform area



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OIL DRIP CARTS

33454-100, 33454-200



33454-100

100 US gal (375 l), 40.5" (103cm) x 68" (173cm) x 19" (48cm)

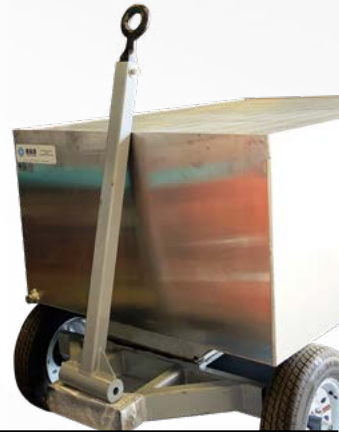
33454-200

200 US gal (750 l), 40.5" (103cm) x 87" (221cm) x 23.5" (60cm)

Eliminate spillage using these low-profile aluminum oil carts.

With heavy duty handles, 4 oil-resistant swivel casters, these oil carts are very easy to maneuver and will fit under any size of equipment. Removable bar grating top that also serves as a work platform.

Engineer certified for 300 lb (136 kg)



ANTIFREEZE CART

A27337

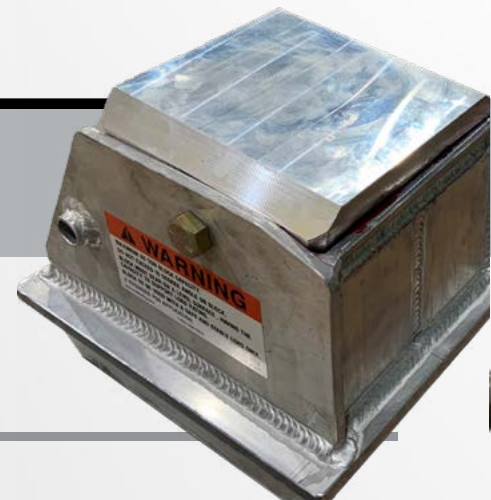


Constructed as a sealed and vented tank to reuse the antifreeze, our 140 gal (529 l) low profile cart comes with 2" (51 mm) intake and discharge ports, 2 clean-out ports and sight glass. A heavy duty handle, four oil resistant swivel casters make it easy to maneuver. Fits under equipment of any size.

BODY BLOCKS

BB-100-XXX

New style Body Blocks offer a swivel head to adopt to the truck frame easily.



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B & D PORTABLE LINE BORING MACHINES VARIOUS MODELS AVAILABLE



- Reliable and heavy-duty for on-site or in-shop operation
- Flow through bar design allows for set-ups between bores
- Variable speed or quick-change fixed speed power
- Adjustable mounting system for ease of operation
- Remote pendant control
- All B & D Manufacturing boring bars are chrome plated for extra hardness and straightened for improved machining
- Hydraulic and electric versions available 1.5 hp to 5 hp
- Boring range from 0.8" (21 mm) to 24" (610 mm) bore

AUTOMATED BORE WELDING SYSTEMS



- All bore welder packages feature an exclusive pass-through drive system design enabling bore-to-bore transitions by telescoping or retracting the bore welder gun extension assembly
- Diameter adjustment is easy with the BOA torch pivot mechanism included with all BOA-408i welder systems
- BOA series bore welders offer diameter ranges from 0.8" (21 mm) to 48" (1220 mm)





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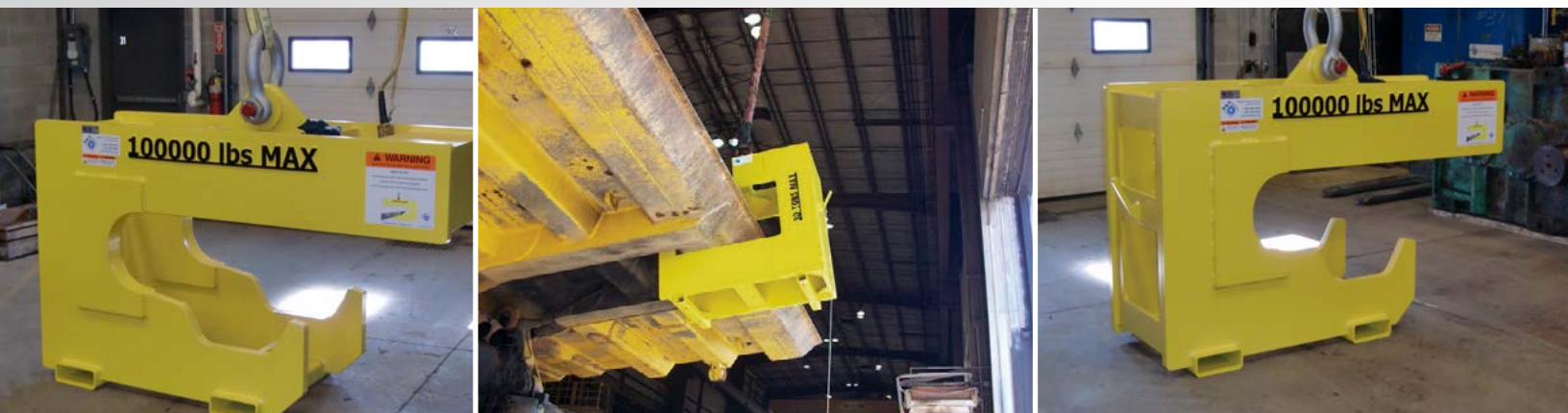
TIRE TECH WORK PLATFORM

Tire Tech Work Platform If you are removing Mining Haul Truck Tires with a Wheel Loader or Large Capacity Forklift, then you may consider this engineered platform as a safe solution to the work area.



DUMP BODY LIFTING DEVICE DBLD-50-XXX

The Dump Body Lifting Device, is engineered to lift most Mining Haul Truck Dump Bodies. This device allows your service team to lift the rear so that maintenance can be done on the suspension and other rear components. The capacity is 100,000 lb (45363.3 kg).



Get an Online Quote

As easy as 1, 2, 3 at bdmfg.com

EVOLUTION JACK- MODEL EJ240



B & D Evolution Jack
EJ200, EJ240

When maintenance is required on your fleet of Mining Haul Trucks, the B & D Evolution Jack can lift & secure the world's largest mining haul trucks. For excellent stability when removing and re-installing tires and wheel groups from trucks.

Models: EJ200 & EJ240

This equipment is the only certified two point lifting jacking system for the 240 ton to 400 ton (217 MT to 363 MT) Mining Haul Trucks.

The B & D Evolution Jack enables maintenance personnel to perform required maintenance to your vehicles in a secure, safe manner. Easy to operate and requiring only one individual, the B & D Evolution Jack features a patented Safety Stand. If you need to use the Evolution Jack to lift a vehicle, simply add B & D Engineered stands. The Evolution Jack has a wireless remote that senses tonnage, tilt and limits.

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