



BUILTRITE™ HANDLERS & ATTACHMENTS

by Northshore Manufacturing, Inc.

Utility Grapples

Heavy Duty, Butt Tine Style

Builtrite™, Heavy Duty Butt Tine Utility Grapples are designed for handling a wide variety of materials, from wood products such as railroad ties, matting and logs to pipe, jersey barriers (parapets), beams and other construction materials. The tine tips come completely together, allowing them to pick both small single items to large, bulky items with ease.

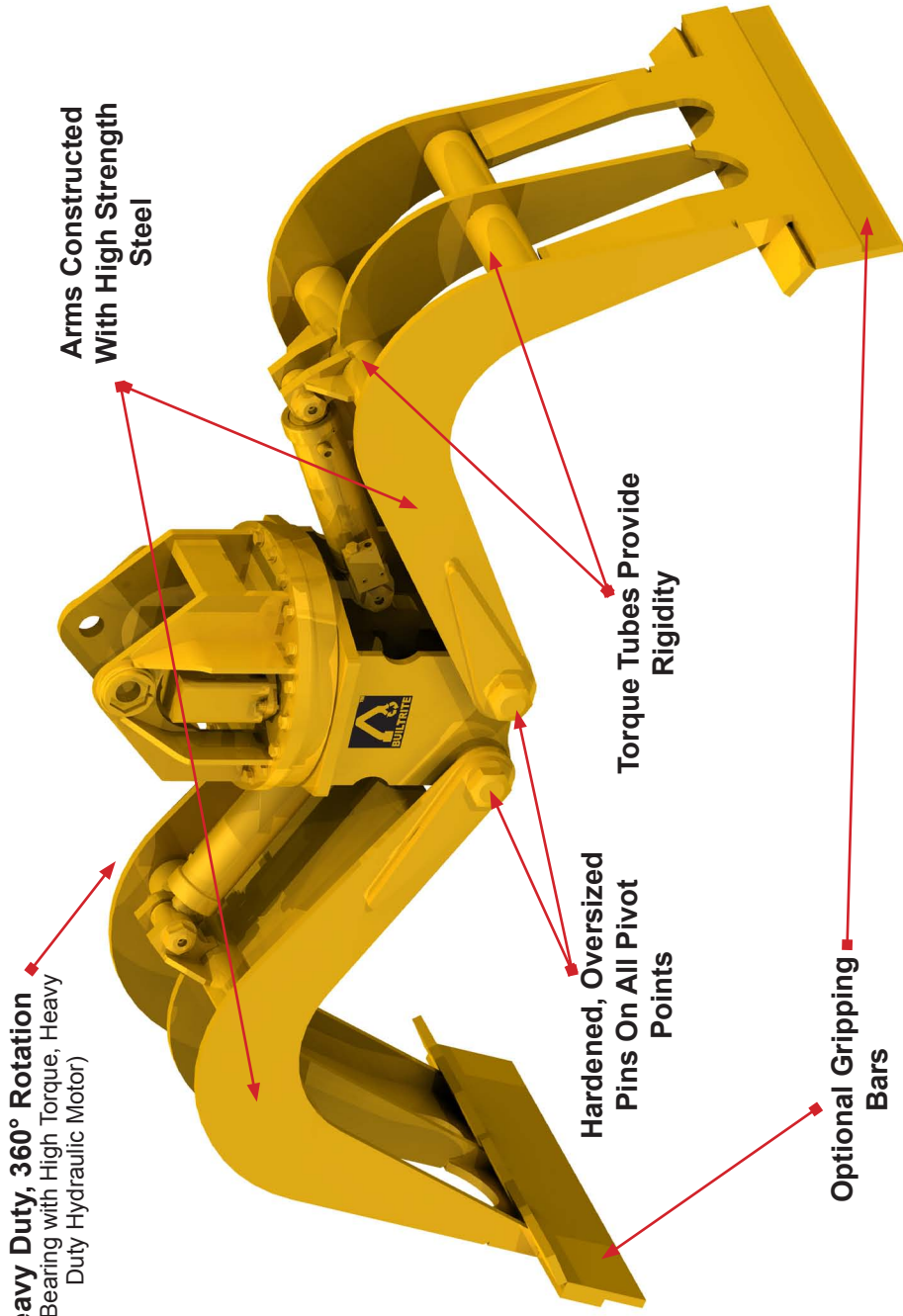
Key features include:

- 360°, continuous rotation with a heavy duty, 20" (508mm) slewing ring bearing, featuring a high torque motor and a high pressure hydraulic swivel.
- High tensile steel (100,000 yield strength) used on grapple arms.
- Oversized, hardened cylinder and arm pivot pins with replaceable bushings.
- Heavy duty, high pressure cylinders.
- Easily accessible, yet well protected grease zerks.
- Optional gripping bars are available for the tine tips for easier handling of materials.
- Optional cylinder guards available.
- Optional aggregate bucket attachment for rehandling purposes (see photo illustration on back page).
- Made in the U.S.A., at our Two Harbors, Minnesota facility.

If you're looking for the toughest, most durable grapple on the market, look no further...make it a **Builtrite™**.

Heavy Duty, 360° Rotation

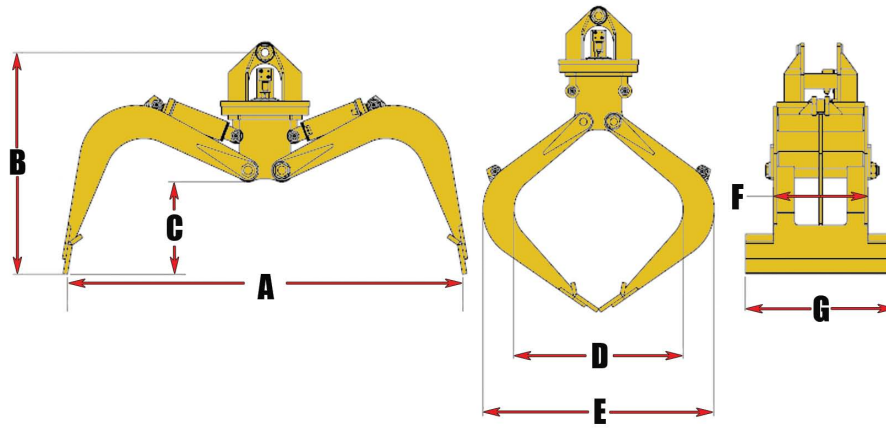
(20" Bearing with High Torque, Heavy Duty Hydraulic Motor)



Heavy Duty Butt Tine Grapple Specifications

Model	Builtrite Drawing #	*Weight		Opening		Height @ Full Open		Depth @ Full Open		Side Opening @ Full Close		Side Width @ Full Close		End Width / Narrow Portion		End Width / Wide Portion*	
		Lbs.	Kg.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
1/2 Cord 360° HD	184474	1,960	900	93.6	2,377	52	1,321	22	559	44.5	1,130	61	1,549	22.5	572	36	914
5/8 Cord 360° HD	18202854	2,040	927	99	2,514	57	1,448	26	660	44.5	1,130	63	1,600	22.5	572	36	914
3/4 Cord 360° HD	18202175	2,530	1,150	106	2,692	66	1,676	35	889	51	1,295	70	1,778	22.5	572	36	914

* Wide Gripping Bars are optional - See "G" in above table.



Hydraulic Requirements		
	Max. Flow GPM / LPM	Max. Pressure PSI / Bar
With 360° Continuous Rotation - HD Bearing		
Open / Close	26 / 98	4000 / 276
Rotation	6 / 23	1800 / 124



Grapple Arms Slip Into Sand Bucket & Hold In Place Via Gravity

NOTE: Northshore Manufacturing reserves the right to change specifications and prices without notice in order to follow its policy of constantly striving to manufacture a better product without incurring any liability to provide these new features on any units previously manufactured.

Northshore Manufacturing, Inc.

530 Recycle Center Drive, Two Harbors, Minnesota, U.S.A. 55616

Web: www.builtritehandlers.com E-Mail: info@builtritehandlers.com Phone: 218-834-5555 Fax: 218-834-5556

