

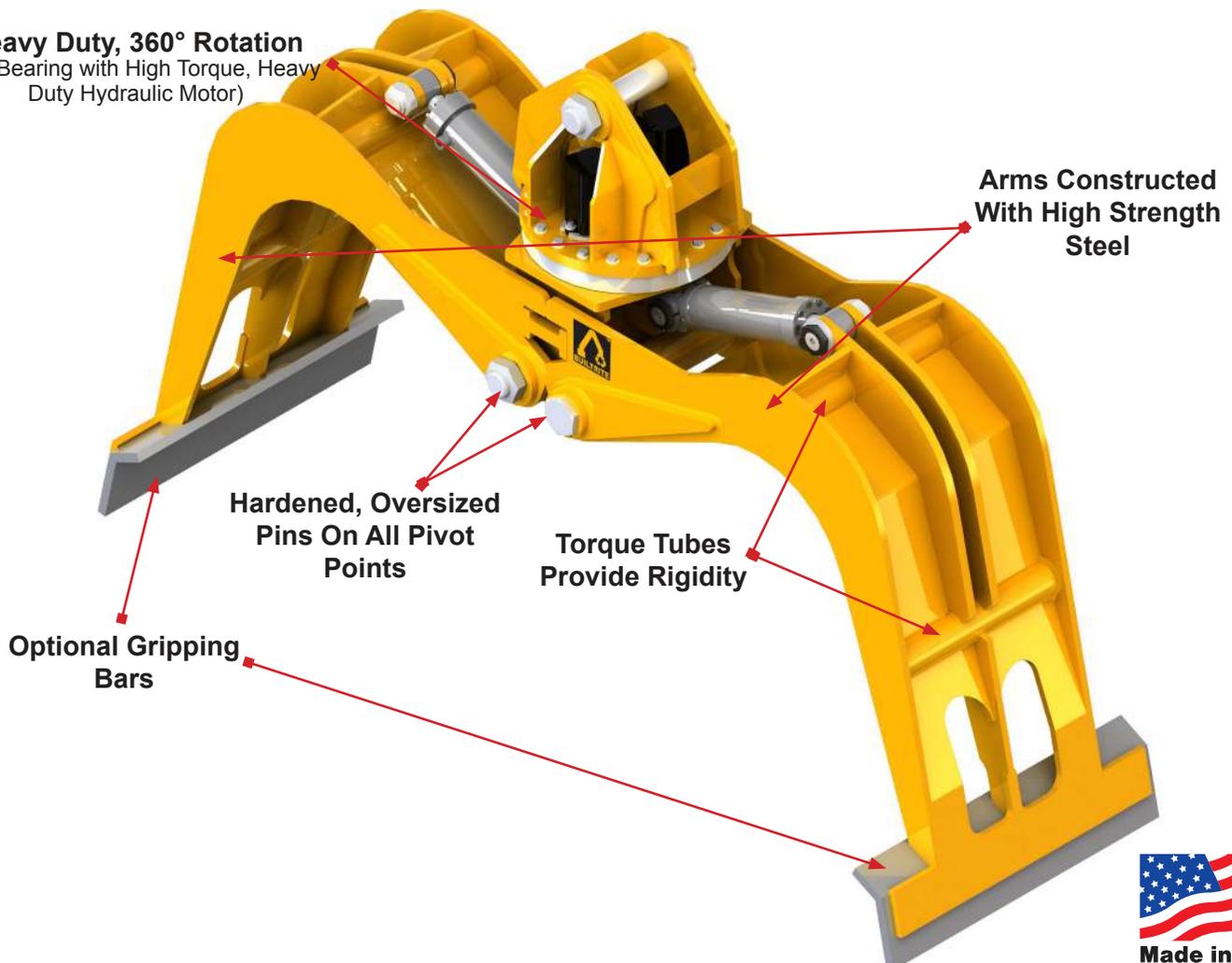
**Builtrite™, Heavy Duty Butt Tine Utility Grapples** are designed for handling a wide variety of materials, from wood products such as railroad ties, matting and logs to pipe, jersey barriers (parapets), beams and other construction materials. The tine tips come completely together, allowing them to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

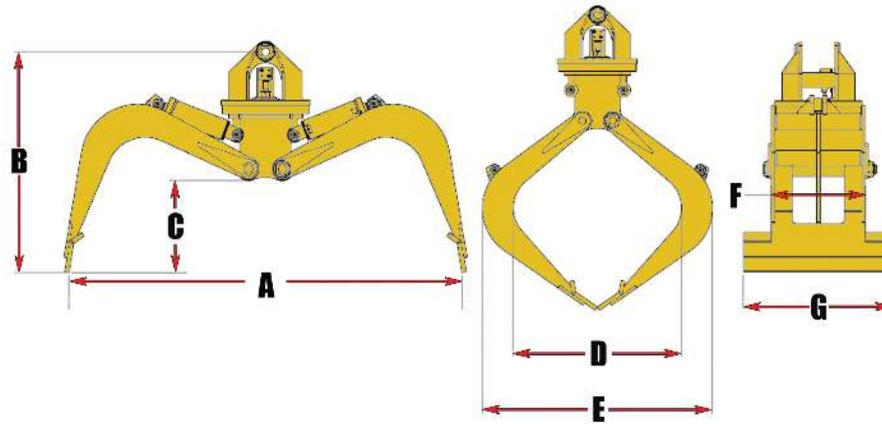
**Heavy Duty, 360° Rotation**  
(20" Bearing with High Torque, Heavy Duty Hydraulic Motor)



# 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<br>GPM / LPM | Max. Pressure<br>PSI / Bar |
| <b>With 360° Continuous Rotation - HD Bearing</b> |                        |                            |
| Open / Close                                      | 26 / 98                | 4000 / 276                 |
| Rotation  | 6 / 23                 | 1800 / 124                 |



NOTE: Builtrite 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.

## Builtrite Manufacturing, Inc.

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