

Specifications

General

Hydraulically driven rotary angle broom
Available in 5' (60"), 6' (72"), 7' (84"), and 8' (96") widths
Hydraulic swing capable of 30° left or right of center
Broom speed up to 200 RPM, dependent on prime mover
Storage stands for simple mounting, dis-mounting, and storage
Hoses provided from hydraulic drive motors to bulkhead or valve on broom
Customer must supply hoses from bulkhead or valve to prime mover
Spring system to dampen transportation bounce
Mounted with Skid Steer Quick Attach with easy entry steps

Brush

32" O.D x 10" I.D wafer style brush
2" spacers manufactured from 20-gauge mild steel strap
Brush core can be installed with either end to the left or right with no effect on sweeping performance
Brush and core assembly can be removed from frame without disconnecting hoses from drive motor(s)

Brush Frame

3½" O.D. round tubular cross member
Two brush arms formed from ¼" steel plate
Heavy duty, self-aligning, pillow block bearings support the broom core

Brush Hood

Manufactured from 16-Gauge steel with formed edge fold for additional strength
12-Gauge steel end plates
Hood covers 140° of brush
Pre-drilled holes for easy installation of front deflector

Brush Lift

Lift provided by means of prime mover
Brush pattern is adjustable by means of chain links

Brush Drive

Standard with a single low-speed, high-torque, 18 c.i.d hydraulic motor
Motor is coupled directly to the brush core by means of a 1 ¼" 14 spline shaft
Motor is mounted outside of brush frame and is protected by formed ¼" guards
Motor mounts to brush frame with rubber bushings

Finish

Steel surfaces undergo a phosphatizing acid bath to clean and etch the surfaces to provide superior adhesion
Epoxy primer and polyurethane topcoat
Painted M-B yellow



Available Options

- Dirt Deflector
- Low Flow Drive Motor
- Dual Standard Flow Drive Motors
- Dual Low Flow Drive Motors
- Sprinkler Systems
- Sight Indicators
- Oil Cooler
- Hose Kit

*Standard model HL

Hydraulic Broom for Loaders

5-foot (60") Broom
Poly/Wire Brush
Standard Single Motor (12 to 20 GPM)
Hydraulic Swing Cylinder ONLY
M-B Yellow
Standard Skid Steer Quick Coupler

Available Options

Broom Width

- 6-foot (72") Broom
- 7-foot (84") Broom
- 8-foot (96" *dual motors, 25-45 GPM*) Broom

Brush Filament

- Poly (Polypropylene)

Motor Size

5-7 foot HL

- Optional Dual Motor (25 - 45 GPM; 9000 in.lbs torque)
- Low Flow (8 - 11 GPM)
- Dual Low Flow (15 - 24 GPM; 6400 in.lbs torque)

8 foot HL

- Low Flow (15 - 24 GPM; 6400 in.lbs torque)

Method of Swing

- Electric/Hydraulic Swing (non-reversable)
(Valve, swing cylinder, control box with harness, and swing cylinder hoses, MAX 40GPM)
- Electric/Hydraulic Skid Steer Harness (customer to supply PIN OUT diagram)
(Valve, swing cylinder, custom wire harness and swing cylinder hoses, MAX 40GPM)
- Bobcat 7 Pin (non-reversable)
(Valve, swing cylinder, wire harness, and swing cylinder hoses, MAX 40 GPM)

Loader Mounting Kit

- No Mounting (Mounting provided by customer)
- Pin On Mount (Only applies if previously designed by MB)
- Custom Mount Design Fee

Independent Hydraulic system (IHS)

- Independent Hydraulic system (IHS)
(Includes Rear 540 PTO hydraulic pump, relief valve, oil cooler 3-point hydraulic reservoir and hoses to broom)
Required if tractor/loader auxiliary hydraulic system cannot supply 8 GPM @ 2,000 psi

IHS Options:

Tank Location

- Front (Tank mounts on broom mounting frame)

Optional Equipment

- Deflector (number of feet needed x \$30/ft) - *cost varies*
- 45 Gallon Sprinkler System (mounted on the brush hood) 12 Volt
- 150 Gallon Three-Point Mount Sprinkler System 12 Volt
- Hose Kit (skid steer application)
- Sight Indicators
- Oil Cooler with Fan (available for dual motor brooms)

Recommended Spare Parts (for current pricing refer to the online Parts Guide at www.m-bco.com/attachments)

Part Number Description

201-169353	Hyd. Motor, 14 Spline 18.3 cu.in.	410-132762	Swing Pin
203-72277	Swing Cylinder	410-169418	Hub, Drive 14 Tooth
400-64724	End Disc, Core	410-94050	Storage Stand
401-169363	Motor Guard	600-169345	Pillow Block Bearing 1-3/4" ID

For brush replacements see "Replacement Brush Guide" section or online at www.m-bco.com