



Stripping, Scrubbing, Restoration

The Merlin 2-Speed takes advantage of innovative engineering to set new records in production and user safety. Our unique “Floating Head” handle carriage design provides 100% contact with the floor, incorporating forward movement instead of the traditional side-to-side buffing. The Merlin draws 1/3 less amps than standard machines. Strip and scrub floors at 165 RPM. Buff and polish at 300 RPM.



(4) 20#
Weights
Included

Power

- 1.5 HP, 66 frame, DC rectified 2-speed motor
- Hi-Lo 2-speed toggle switch on motor
- 115V, 50/60 Hz power, (230V optional)
- 50 ft., (12-3) SJTOW power cord with molded plug

Drive System

- Triple planetary XHD 11:1 helical cut industrial gears, case hardened with steel coupler
- Gears drive brushes and pads at 165 and 300 RPM

Engineered Design

- WD™ Wheels Down pin-lock handle disassembles in 60 seconds without tools, for transport and storage
- All steel construction with welded powder coated frame
- Includes removable 80# weight set
- 17” and 20” steel brush cover with wraparound bumper
- Thumb-operated safety switch. Negative pressure on/off switch. Dual steel operating triggers.
- 2” x 8” non-marking load bearing, ball bearing wheels

Safety Features

- Quiet operation – 66 dB (low speed), 72dB (high speed) Meets GS42 standard.
- UL / CUL Listed



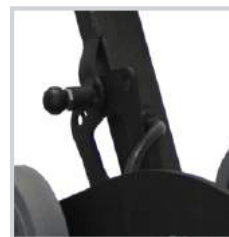
Specifications

Model #	HP1517-MER-2SXHD	HP1520-MER-2SXHD
Part #	F0040-17-1.5TE-2S	F0040-20-1.5TE-2S
Machine Size	17 inch	20 inch
Pad Size	16 inch	19 inch
Pad Speed	165 / 300 RPM	165 / 300 RPM
Amp Draw (Low/High Speed)	8.5 / 9.1 Amp	9.2 / 9.6 Amp

All Sizes

Motor	1.5 HP, 66 frame, DC rectified 2-speed motor
Power	115V, 50/60 Hz power, (230V optional)
Drive System	Triple-planetary XHD 11:1 helical cut industrial gears
Power Cord	50 ft. 2-pc (12-3) SJTOW power cord with molded plug
dB Rating	66 dB (low speed) - 72 dB (high speed) operation Meets GS42 standard

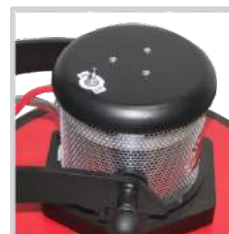
Subject to Change Without Notice



5-Position Pin Lock Handle



Optional 4 Gallon
Solution Tank
5 Stock Colors



2-Speed Motor with
Hi/Lo Switch



Optional 6 Gallon
Solution Tank



Rotary Floor Machine Accessories



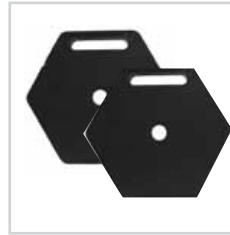
Dust Pickup Systems
for All Floating Head Rotary
Design Models
#HP0031-DC17-GLIDE
#HP0031-DC20-GLIDE



Splash Guard
SPLASH17 - 17"
SPLASH20 - 20"



20# Frame Weight
A0032-2P



Hexagonal Weight for
Rotary Motor Mount
A0028-10P - 10 lbs.
A0028-25P - 25 lbs.



Weight Post Mount
for Hexagonal Weights
HP0008-45INSTAND



Optional 4 Gallon
Solution Tank
5 Stock Colors



8 Stock Colors



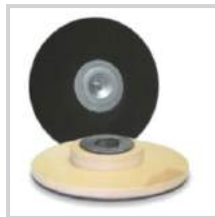
Vacuum Assembly Kit
#TH1011



Surface Prep Scraper
(6) replaceable Tungsten
Steel Scraping Heads.
Universal steel clutch plate.
#HP0035 - 13"
N/A - 15"
#HP0033 - 17"
#HP0034 - 20"



Orbitec Diamond Driver
(6) steel mounting cups
hold 3" diamond tools.
Universal steel clutch plate.
#HP0018 - 13"
#HP0017-3 - 17"
#HP0020-3 - 20"



Premium Sandpaper Driver
with 1" thick plywood block
1" riser and Universal clutch
plate. 1/2" thick cushion
and steel mounting disc
holds sandpapers
#A0014-HD - 17"
#A0014-1HD - 20"



Weighted Diamond
Pad Driver
Steel pad driver block
adds down pressure.
Molded pins securely hold
pads for HD floor prep.
#A0017WTDPD - 13" (25#)
#A0010WTDPD - 17" (46#)
#A0011WTDPD - 20" (64#)



Diamond Pad Driver
#A0017DPD - 13"
#A0010DPD - 17"
#A0011DPD - 20"



Tampico Polishing Brush
100% White Tampico is
naturally acid resistant.
Great for general scrubbing
and polishing marble.
#A0021 - 13"
#A0035 - 15"
#A0004 - 17"
#A0005 - 20"



Poly Scrub Brush
Use this poly bristle brush
with a detergent for lighter-
duty scrubbing on waxed or
finished floors.
#A0020 - 13"
#A0036 - 15"
#A0002 - 17"
#A0003 - 20"



35 Grit Brush
For general scrubbing and
frequent cleaning.
Flexible enough to scrub
narrow grout lines.
#A0018-1 - 13"
#A00xx-x - 15"
#A0008-1 - 17"
#A0009-1 - 20"



80 Grit Brush
For aggressive for general
scrubbing or stripping
finishes on hard
surfaces. Cleans wide
grout lines.
#A0018 - 13"
#A0038 - 15"
#A0008 - 17"
#A0009 - 20"



Hawk Safe Spin Carpet Brush
w/ Adjustable S/S Glide Plate
Smooth adjustable plate lets
the brush easily glide over
and protect the carpet.
Reduces drag and operator
fatigue.
#A0013-17 - 17"
#A0013-20 - 20"



Rotary Floor Machine Accessories



**Tufted Bristle
Pad Driver**

Heavy polypropylene 3/4" bristles penetrate the pad for secure holding power.

Includes 3/4" riser.

A0010-4 - 17"

A0011-3 - 20"

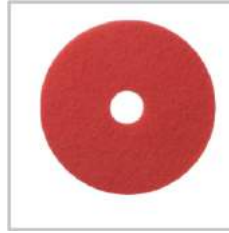


**Premium Double Hook
Pad Driver**

Molded polymer face has pad grabbing hooks. Block is molded with riser and showerfeed.

#A0010 - 17"

#A0011 - 20"

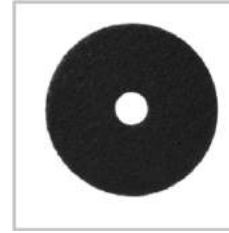


**Red Buffing Pad
(5 Pack)**

Use at 175-600 RPM for everyday cleaning and light scrubbing.

#A0026-17R-CS- 17"

#A0026-20R-CS- 20"



**Black Stripping Pad
(5 Pack)**

Heavy-duty scrubbing and for removal of 2-4 coats of finish/sealer.

#A0026-17BK-CS- 17"

#A0026-20BK-CS- 20"



#KIT2014

#KIT2013

**Pad Centering
Clamp - 2-Piece**

2-piece clamp clips together securely holding any size pad.

#KIT2013 - Screw Lock

#KIT2014 - Spring Lock