

Martindale Motor-flex and Handy-Flex Units

GENERAL DESCRIPTION

Martindale Motor-flex and Handy-flex Units are all built in our own factory with utmost care and precision with materials of the finest quality. Ball-bearings are used in all handpieces, motor connections, and counter-shafts. Flexible cores are wound of the finest spring wire, and run in rubber-covered, non-shrinkable sheaths.

With the attachments and tools on pages 19, Diamond D Abrasives Catalog pages 19-22, and Rotary Burs Catalog pages 4-8, the units can be used to grind, de-bur, file, sand, chamfer, buff and polish.

These same machines are used to drive several types of mica undercutter heads shown on other pages of this catalog. A Martindale undercutter head with flex-drive extension and a disc holder will give a shop an undercutter, a slot cleaner, and a general deburring, grinding, buffing, and polishing machine.

Motor-flex Units have 1/2 h.p. motors and are equipped with 3/8" diam. x 5' long (No. 16) Flexible Shaft and No. 15 Handpiece (see page 19). No. 17 Handpiece, described on page 19 and in the price table below, is recommended for larger grinding wheels and other heavier duty applications. The No. 17 Handpiece and/or Core and Sheath can be substituted on any of the motor-flex units, at additional cost.



At Left: #1165 Handy-flex Unit for use with your own motor. (for 1/2 h.p.) (specify diam. of your motor shaft).



Above: #356-2 With Motor Base for Bench or Overhead Suspension. 1/2 h.p., 2850/3450 r.p.m.



At Left: #456-2 With Double-Swivel Base. 1/2 h.p., 2850/3450 r.p.m.



Above: #556-2 Three-Speed, With Double-Swivel Base. 1/2 h.p., 1425/1725, 2850/3450, and 5700/6900 r.p.m.

Polish

Chamfer

Debur



At Right: #794 This pedestal base can be added to any swivel-base unit.

Grind

COMPLETE UNITS

Unit No.	Net Weight	Ship Weight	Catalog Number
1165	6	8	MFLX1165
356-2	26	29	MFLX3562
456-2	38	41	MFLX4562
556-2	44	47	MFLX5562
794	40	50	MFLX794

When ordering, specify:
 * Catalog Number
 * Collet Size desired
 * 115 60 Hz. -or- 230 V. 60 Hz.

STANDARD PARTS

No.	Description	Catalog Number
16	Core, 3/8" diameter	MFLXD90
16	Sheath, 5'	MFLXD61
15	Handpiece, No. 15; with 1/4" Collet	MFLX81
D154	Collet, 1/4"; for No. 15 Handpiece	MFLXD154
900	Motor Connection; 1/2", 5/8", 10mm, or 14mm)	MFLX900

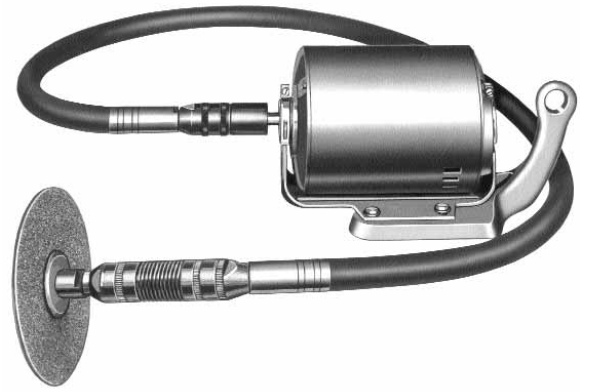
HEAVY-DUTY PARTS

No.	Description	Catalog Number
17	Core, 7/16" diameter	MFLXD95
17	Sheath, 5'	MFLXD63
17	Handpiece, No. 17; with 1/4" Collet	MFLX8314
17	Handpiece, No. 17; with 3/8" Collet	MFLX8338
D21014	Collet, 1/4"; for No. 17 Handpiece	MFLXD21014
D210138	Collet, 3/8"; for No. 17 Handpiece	MFLXD21038
900	Motor Connection; 1/2", 5/8", 10mm, or 14mm)	MFLX900

Martindale Slot Cleaning and General Grinding Outfit

The Martindale Slot Cleaning Outfit is used before winding an armature to remove from the slots any burrs or sharp edges which might puncture the slot lining or scrape the wire insulation.

The grinding discs are aluminum-oxide resin-bond, on a backing of tough flexible vulcanized fibre. They are offered with abrasive coating either on one side only, or on both sides. It is recommended that the single-sided disc be backed up with a stiffener such as an old worn disc, whereas the two-sided disc requires no added stiffness and cuts on both sides. Grinding Discs not included in Grinding Outfit.



Complete Heavy-Duty Outfit:	Catalog Number
115 V., 50/60 Hz.	MFLX7901SCA
230 V., 50/60 Hz.	MFLX7901SCB
Complete Heavy-Duty Outfit with Ball-bearing Motor Connection for use with your motor:	
with 1/2" Motor Connection . . .	MFLX7901S12
with 5/8" Motor Connection . . .	MFLX7901S58
with 10 mm. Motor Connection	MFLX7901S10MM
with 14 mm. Motor Connection	MFLX7901S14MM
No. 15 Handpiece with No. 15 Disc Holder, Nosepiece and 1/4" Collet	MFLX7901HP

Complete Unit Net Weight 26 lbs. Shipping Weight 28 lbs.; With Motor Connection (for use with your motor) Net Weight 7 lbs. Shipping Weight 9 lbs.; Handpiece only Net Weight 1-1/4 lbs. Shipping Weight 1-1/2 lbs.

Heavy-Duty Type for a Variety of Metal Grinding Jobs.

1/3 h.p. Motor, 2850/3450 r.p.m.

The complete Heavy-Duty Outfit (see above and page 18) uses the No. 16 Sheath, No. 16 Core, and No. 15 Handpiece with Nosepiece and 1/4" Collet, and includes a Disc Holder, and a 10-foot dropcord and switch. See Grinding Discs below.

Martindale Handpieces

Illustrations 4/10 Actual Size



At left:
No. 15 Handpiece
(1-1/4" x 6")

Catalog Number
No. 15 Handpiece with 1/4" collet . **MFLX81**



At Right:
No. 17 Handpiece
(1-7/16" x 7-3/8")

Catalog Number
No. 17 Handpiece with 1/4" collet **MFLX8314**
No. 17 Handpiece with 3/8" collet **MFLX8338**

These two handpieces are used on the Motor-flex and Handy-flex Units on page 18. Collet sizes are shown on page 18. Safe grinding wheel limits are 4" x 1/2" for No. 15, and 6" x 1/2" for No. 17.

Grinding Wheel Spindles



These Spindles fit the Handpieces of the corresponding number. They are for the use of Grinding Wheels, Wire Wheels and Buffing Wheels.

No. 15 Grinding Spindle for No. 15 Handpiece & wheels with 1/4" holes . .	MFLX811514
No. 15 Grinding Spindle for No. 15 Handpiece & wheels with 3/8" holes . .	MFLX811538
No. 15 Grinding Spindle for No. 15 Handpiece & wheels with 1/2" holes . .	MFLX811512
No. 17 Grinding Spindle for No. 17 Handpiece & wheels with 3/8" holes . .	MFLX811738

No. 15 Disc Holder



This Disc Holder fits onto the No. 15 Handpiece in place of the regular Nosepiece. Made for use with Sanding Discs but will handle Grinding, Buffing, and Wire Wheels with 7/8" holes up to 3/4" thick.

Catalog Number
No. 15 Disc Holder for No. 15 Handpiece . . . **MFLX8115078**

