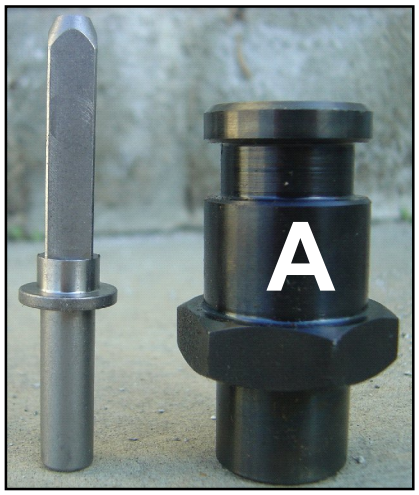
FLEX SHAFT IDENTIFICATION

INNER CORE LENGTHS FOR 314V & 382V SHAFTS

314V MODEL	314V-2	314V-5	314V-7	314V-10	314V-12	314V-14	314V-18	314V-21
CORE LENGTH *INCHES*	27 1/16	63 1/16	87 1/16	123 1/16	147 1/16	171 1/16	219 1/16	255 1/16
382V MODEL	**382V-2**	**382V-5**	**382V-7**	**382V-10**	**382V-12**	**382V-14**	**382V-18**	**382V-21**
CORE LENGTH *INCHES*	24"	60"	84"	120"	144"	168"	216"	252"

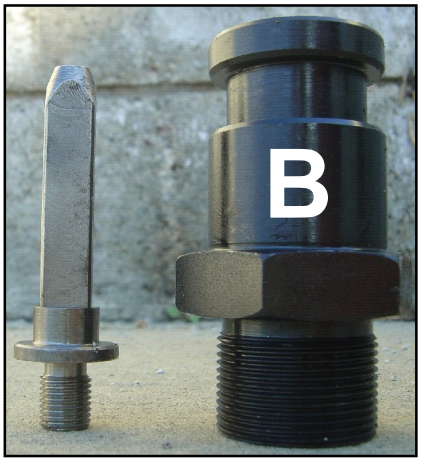
NOTE: 314V inner cores are 3 1/16 inches longer than the 382V shaft lengths.

SPINDLES & COUPLERS FOR 314V & 382V SHAFTS

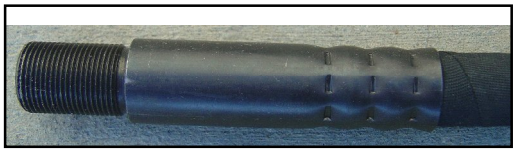
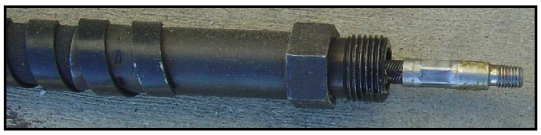
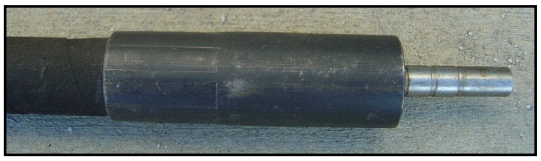


The 314V uses a spindle and coupler with female threads as shown in fig. A.

The 382V uses a spindle and coupler with male threads as shown in fig. B.

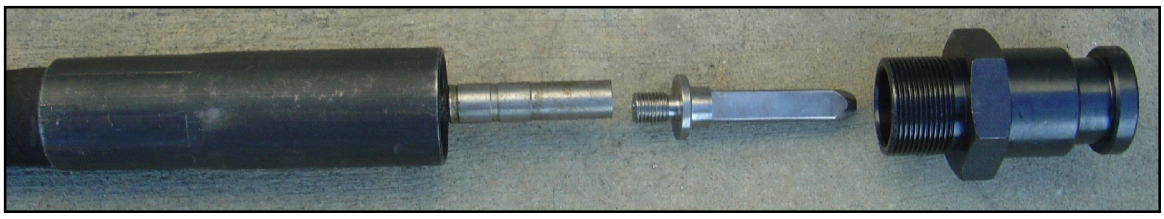


FLEX SHAFT ASSEMBLIES 314V & 382V

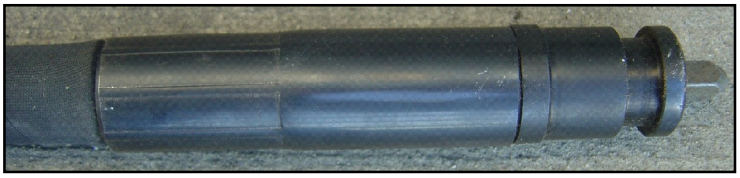
VIBRATOR END		MOTOR END
	314V	
	382V	

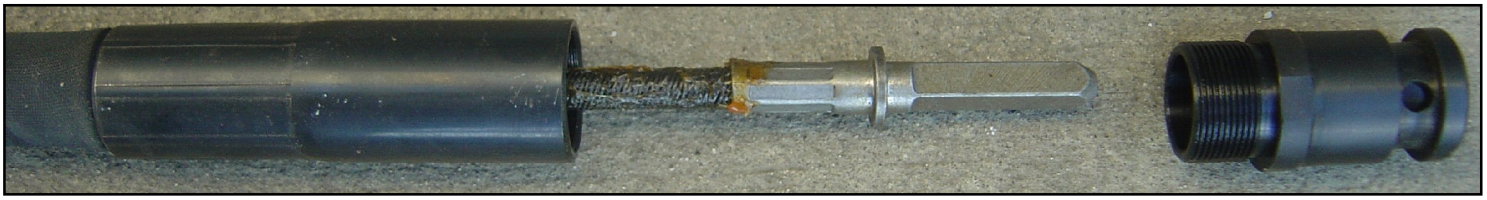
314V W/FEMALE SPINDLE & COUPLER

382V W/MALE SPINDLE & COUPLER



The FS-series shafts replace the 382V and include an integrated spindle and coupler. The spindle is crimped to the inner core and is not replaceable. Note: The head end of the shaft uses left hand threads.





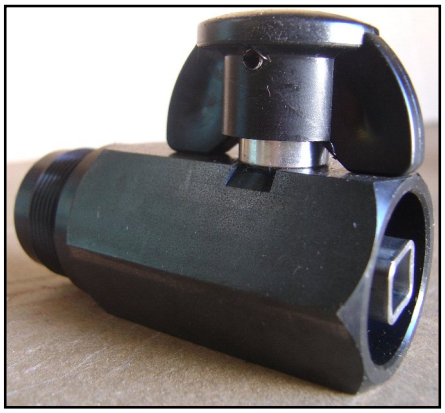
ADAPTORS - MIKASA to STOW

An adaptor is required in order to use a Mikasa PMA2/3 to power a MQ/STOW head and shaft. Use a CON-MS connector (CON=connector, M=Mikasa motor, and S=Stow shaft). Multiquip offers two types of CON-MS connectors which are:

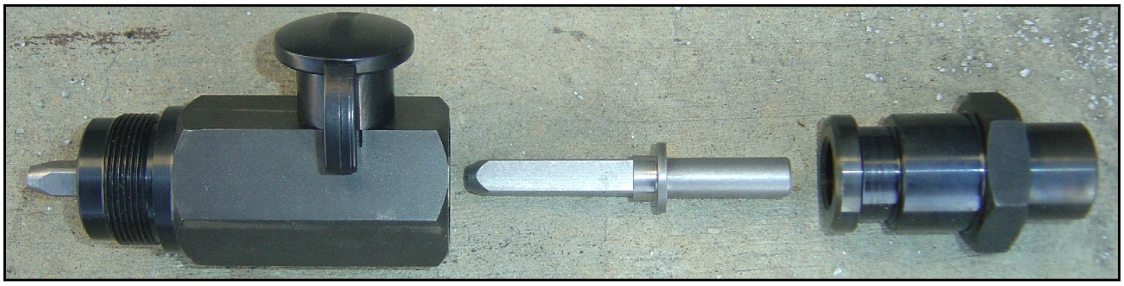
- **CON-MS314V** to connect PMA motors to 314V shafts
- **CON-MS382V** to connect PMA motors to 382V shafts.

Since the FS shaft comes with a spindle and coupler, customers have the option to purchase either: **CON-MS314V or CON-MS382V**

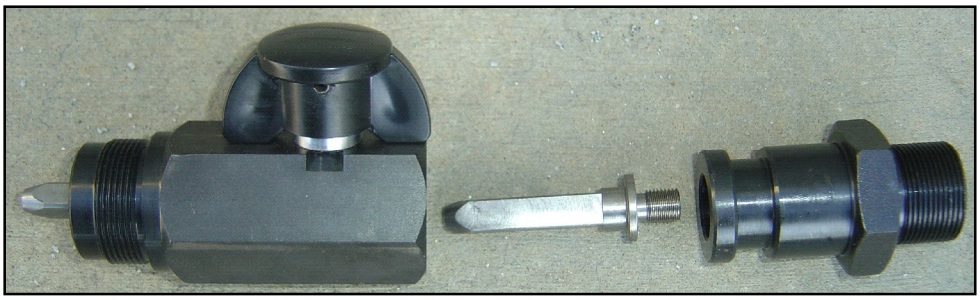
The two photos below show the front and back of the CON-MS connectors without a spindle and coupler



CON-MS314V (*Female spindle and coupler*)

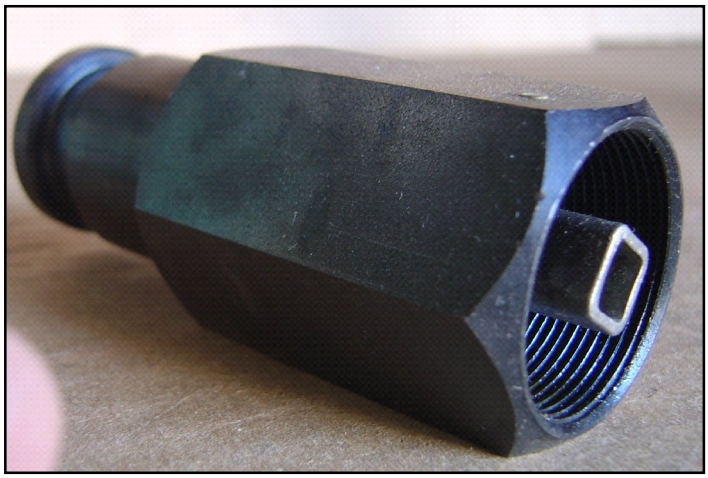


CON-MS382V (*Male spindle and coupler*)

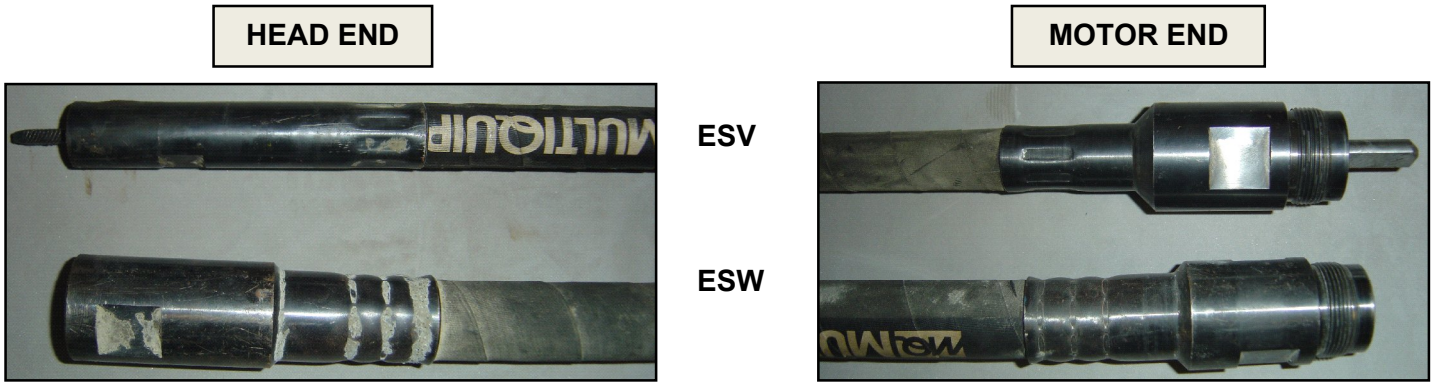


CON - SM

For those who would like to use a ESV or ESW MQ Mikasa shaft with a CV, SV, or SVA vibrator motor you will need to use a CON-SM (CON=connector, S=Stow motor, and M=Mikasa shaft). The MQ Mikasa shaft uses male threads to connect to the PMA motors or CON-SM connectors.



The ESV and ESW shafts were used with Mikasa vibrator motors. They are still available through unit sales.



FLEXIBLE SHAFT MAINTENANCE

GREASING

The inner core (steel cable) is shipped pre-coated with DuBois “TGP” lubricant. Only a light coating is required for proper lubrication.

CAUTION! Never “pack” the shaft assembly with grease. Excessive lubrication will cause overheating and premature wear. Read operation manual prior to using the flex shaft vibrator.

Daily Inspection

1. Following daily use remove any dirt and concrete from the shaft, motor and head.

2. Inspect the unit for any damage to any of the three components and have repaired before further use. Refer to the respective instruction bulletins for repair of the power unit and head.

3. Inspect the casing for any cuts or holes through the covering, loose ferrules, or a permanent kink in the shaft. If any of these conditions are found, replace the casing.

1. Remove the shaft form the motor.

2. If the shaft is equipped with a quick disconnect coupling, unscrew it from the casing ferrule. Threads are right handed.

3. Unscrew the vibrator head from the shaft casing. Threads are left handed. Heat should be used to loosen the anaerobic sealant in the threads.

4. Pull the core out of the casing, wiping the grease off as it is pulled form the casing.

5. Inspect the core for broken wires, a permanent set, or other damage such as an area that shows high wear of having run overheated. Replace with a new core if these conditions exist.

6. Use the core to push a cleaning patch through the casing to remove the old grease and any foreign matter.

7. Thoroughly clean the core if it is being reused.

8. Relube the core. Coat it with DuBois "TPG" lubricant or a good grade of ball bearing grease. Only a light coating is needed. CAUTION: DO NOT "pack" the shaft assembly with grease. Excessive lubrication will cause overheating.

9. Reassemble using the reverse procedure.

10. When connecting the head to the casing, clean the mating threads with an anaerobic sealant primer and let dry for several minutes. Apply a ring of anaerobic sealant to the middle of the casing ferrule threads. Screw the head tightly to the casing and wait for one hour before using.