



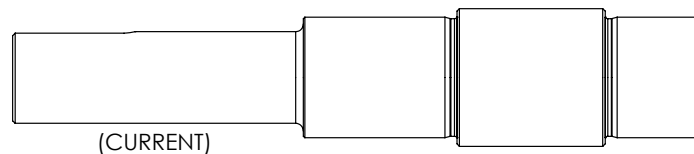
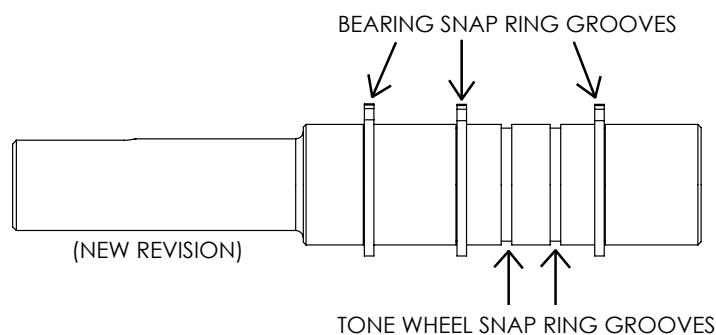
# PRODUCT UPDATE

Number 22

## FMC-650-HYD Shaft Improvements

Ace is implementing a product improvement for shafts used in the 650 Max Series non-wetseal pumps. See the table below for the specific pump models. The change allows us to standardize and simplify the machining process while reducing material waste. The original shaft utilized a machined step on the shaft for bearing location and spacing. The new shaft will have a single diameter in the bearing area with grooves for heavy duty snap rings to locate the bearings. The new design also allows the option to add a tone wheel for RPM sensing in precision control systems.

The new shaft is interchangeable with the original design and will be used in new pump production beginning in October 2023. Pumps may be identified by the date code in the pump serial number located on the serial tag and box label. The date code is digits 6-10 and consists of a 2 digit month and 2 digit year (XXXXXMMYYXXXX-XXX).



PUMP MODELS	DESCRIPTION
All FMC-650-HYD models	Cast iron e-coated pumps with NPT ports
All FMC-650BSP-HYD models	Cast iron e-coated pumps with BSP ports
All FMC-650F-HYD models	Cast iron e-coated pumps with flanged and NPT ports
All FMC-650FS-HYD models	316 stainless steel pumps with flanged and NPT ports

The new shaft may also be used in conjunction with three snap rings to repair or upgrade older pumps.

PART NUMBER	EDP #	DESCRIPTION	QUANTITY
BAC-6-650-HYD-SS	40051	Shaft; 650 Series; standard seal ; 11 tooth spline; SS	1
ACAL-32	30174	Snap ring, external, heavy duty	3