A. Bearing Assembly
The Wolf bearing assembly is available in a mud Lubricated flow – through or oil sealed design to meet a wide range of drilling applications. Both designs are configured with flow restrictors to allow for higher bit differential on the drill bit.

B. Flex Coupling Transmission Assembly
The Wolf Flex Coupling Transmission is used to convert the eccentric motion of the motor (rotor) to a smooth concentric motion required by the bearing section. The Wolf Flex Coupling Transmission is an integral part of the drive assembly of the Wolf Downhole Solutions. Manufactured from high yield strength alloy steel, the Wolf Flex Coupling Transmission can withstand the extreme power outputs of today’s even wall, hard rubber and high performance power sections.

C. Adjustable Bent Housing/Fixed Housing
Wolf adjustable housings are available in 0°-3° settings, and include a specialized assembly for short radius drilling. The housing is easily adjustable and allows the operator to reset angles at the rig floor, eliminating the need to change assemblies or motors. Always follow the specifications for proper torquing of the assembly. Wolf also offers a complete line of fixed bent housings to produce a wide range of build rates.

D. Power Sections
Wolf power sections are made up of a lobed rotor that fits inside an elastomer lined housing (stator). The rotor has one less lobe than the stator, creating a continuously sealing chamber. Drilling fluid or gas is forced through the motor, thereby turning the rotor and generating torque. Wolf stators can be injected with elastomers to work in many different drilling applications. Wolf rotors are manufactured to handle many different drilling conditions; special coatings are available for high chloride fluid applications.

E. Dump Valve/Blank Top Sub optional – Both the Dump Valve/Blank Top Sub employ the Wolf motor rotor-catch system which offers added security in case of connection failure. All rotor catch assemblies are manufactured of high strength alloy steel.