Quick Start Guide

N4 SPECIFICATIONS

-8.5W 9V 6.8mNm Faulhaber Motor

-Operating Range: 5-9V

-Max Operating Speed: 9,000RPM (150Hz)

-Included Cams: 20%(liner), 28%(shader)
33%(blender), 40%(packer)

-Available Stroke Lengths:
2.75mm, 3.6mm, 4.2mm

-Compatible with most batteries

-Available weight range: 115g-370g

-Available grip sizes:
27mm, 33mm, 33mm Shift, 38mm

-Available in a hard hit or a soft hit

ATTENTION

9V ELECTRIC MOTOR

Neuma 4 uses a 9 volt motor. Adjust your power supply to the recommended operating range of 5-9V before powering on your Neuma 4 to avoid damaging any of the components.

HANDLE WITH CARE

Internal damage can occur to the motor, cams, bearings, and/or electrical components if your machine is dropped or subjected to unusual abuses or other impact force(s).

KEEP DRY

Electronic components are subject to damage if exposed to moisture. Use caution when cleaning with sanitizers and avoid over-oiling your machine(s).

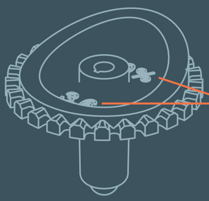
CORROSIVE

Aluminum surfaces are subject to corrosion with the use of chemicals. Brass is known to patina, which will change the appearance. Brass can be polished to bring the shine back.

WARRANTY IS VOID IF MOTOR IS OPENED

Neuma Device stands behind our products, offering 3-year warranty on all parts manufactured by Neuma, excluding normal wear parts such as cams, bearings, motors, and springs. Due to the nature of the use of chemicals and autoclaves for steriliazation, Neuma does not warranty anodizing or plating finishes.
To learn more go to:
https://neumatattoo.com/privacy-policy/#warranty

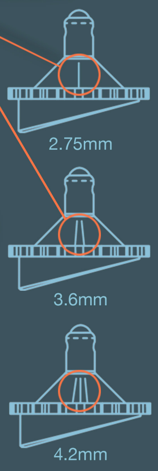
CAMS

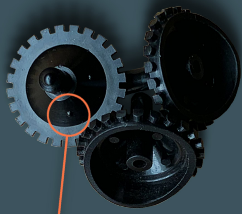


NEW GENERATION CAMS HAVE BOTH STROKE PROFILE AND LENGTH PRINTED ON THE BACK

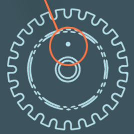
LINES INDICATE STROKE LENGTH

OLDER GENERATION CAMS USE DOTS AND LINES TO IDENTIFY THEM. DOTS ARE USED FOR STROKE PROFILE AND LINES ARE USED FOR LENGTH.

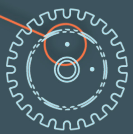




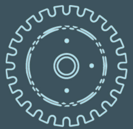
DOTS INDICATE STROKE PROFILE



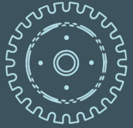
20% (liner)



28% (shader)

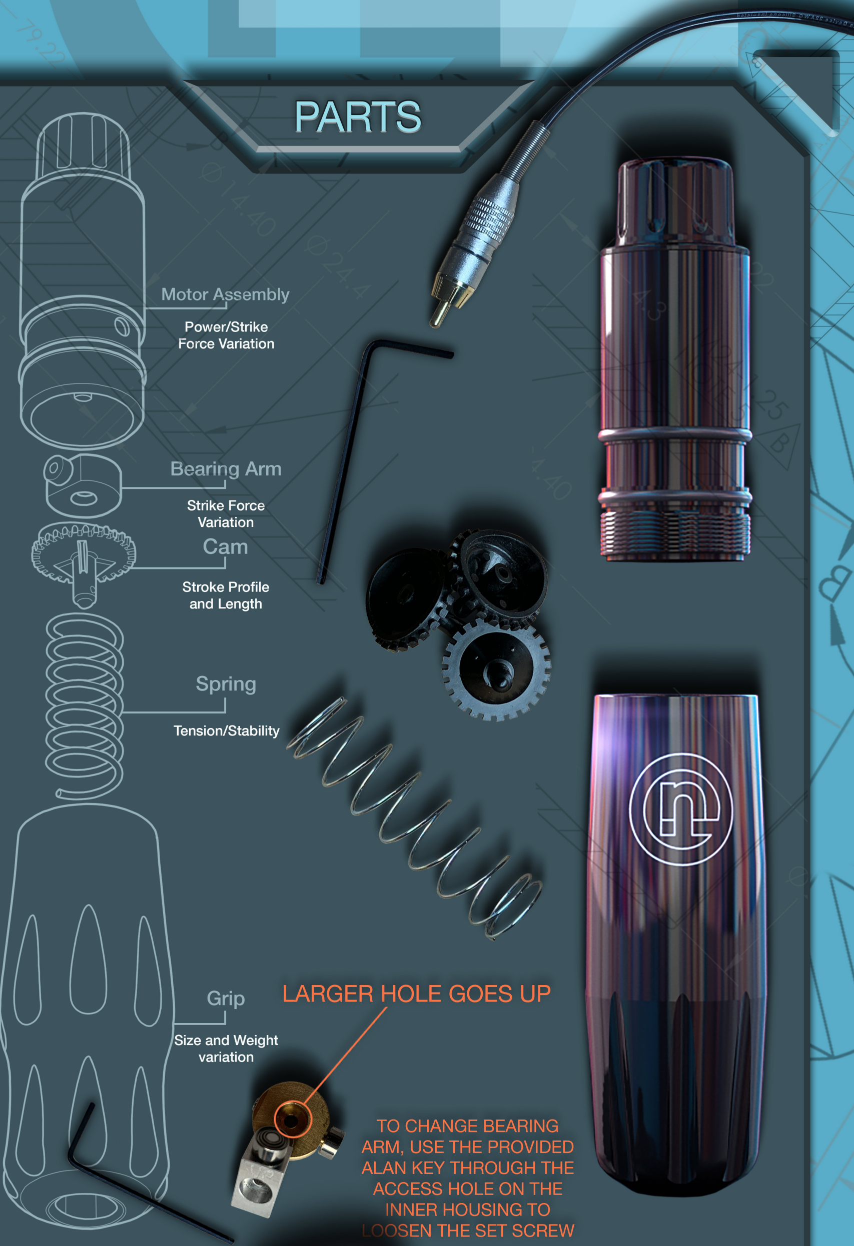


33% (blender)



40% (packer)

PARTS

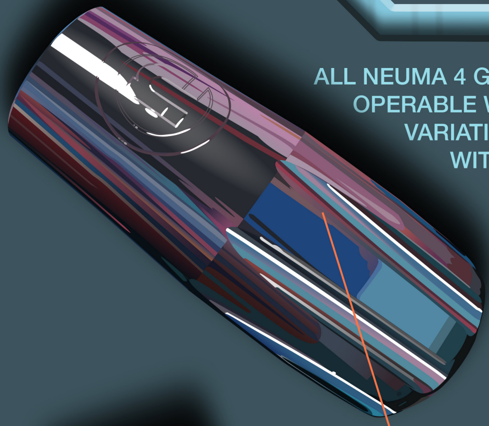

Motor Assembly
Power/Strike Force Variation
Bearing Arm
Strike Force Variation
Cam
Stroke Profile and Length
Spring
Tension/Stability
Grip
Size and Weight variation

LARGER HOLE GOES UP

TO CHANGE BEARING ARM, USE THE PROVIDED ALAN KEY THROUGH THE ACCESS HOLE ON THE INNER HOUSING TO LOOSEN THE SET SCREW

GRIPS

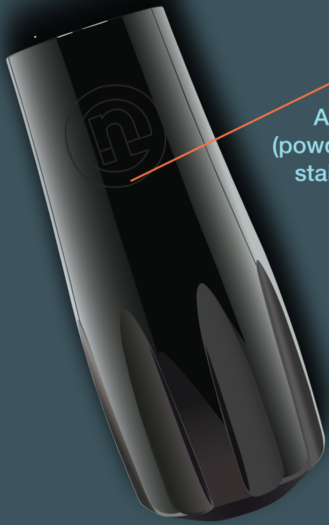
ALL NEUMA 4 GRIPS ARE INTER-OPERABLE WITH ALL N4 MACHINE VARIATIONS. TRY A STEEL GRIP WITH ALUMINUM MOTOR HOUSING OR VISE-VERSA FOR A SHIFT IN CENTER OF GRAVITY!



33mm *SHIFT* Grip

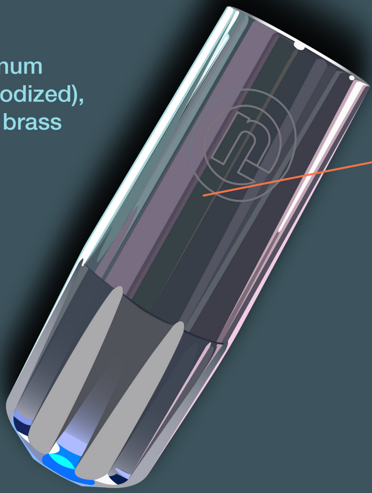
Available in aluminum (powder-coated or anodized), stainless steel, and brass

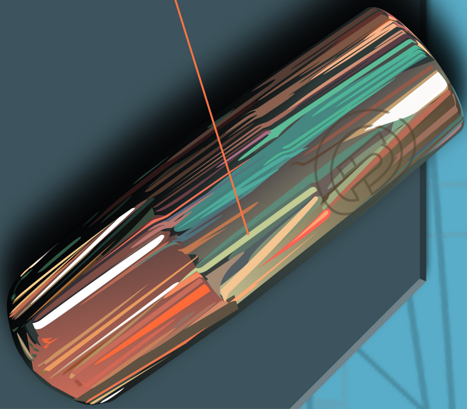
GRIPS



33mm Grip

Available in aluminum (powder-coated or anodized), stainless steel, and brass



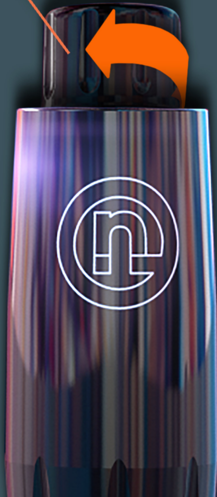


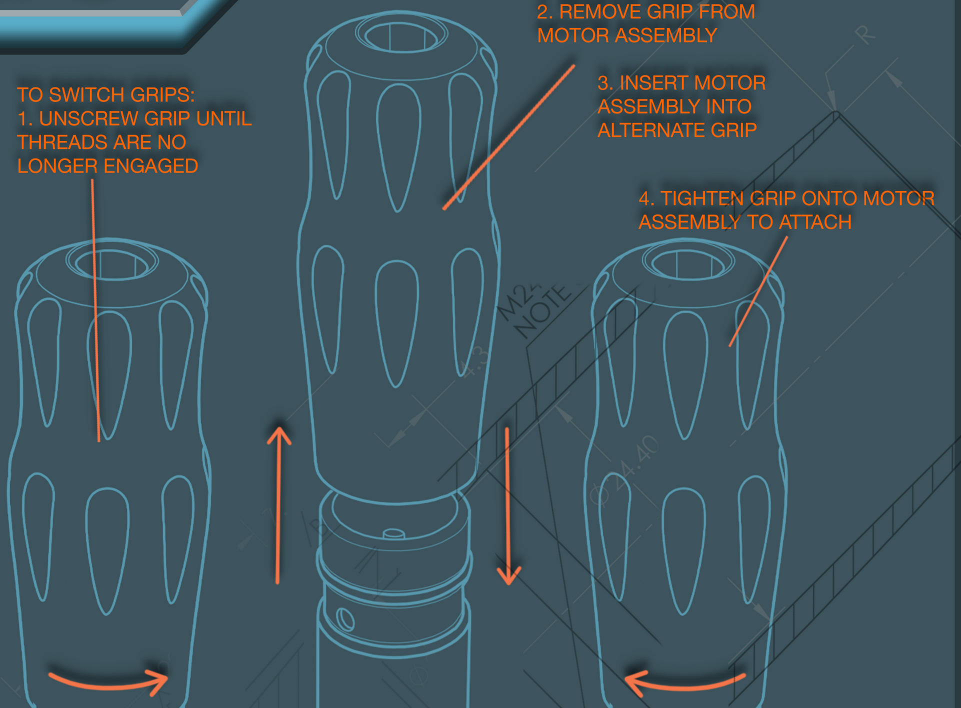
27mm Grip

Available in aluminum (powder-coated or anodized), stainless steel, and brass

GRIPS

TO ADJUST NEEDLE DEPTH, TWIST END CAP AGAINST THE GRIP UNTIL DESIRED DEPTH IS ACHIEVED

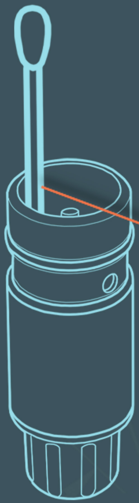




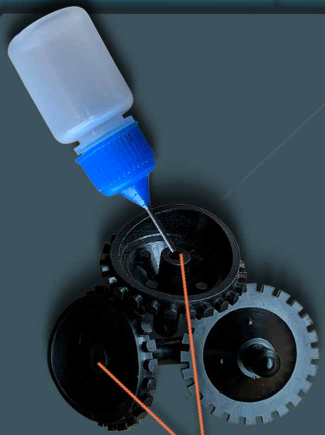
TO SWITCH GRIPS:
1. UNSCREW GRIP UNTIL THREADS ARE NO LONGER ENGAGED
2. REMOVE GRIP FROM MOTOR ASSEMBLY
3. INSERT MOTOR ASSEMBLY INTO ALTERNATE GRIP
4. TIGHTEN GRIP ONTO MOTOR ASSEMBLY TO ATTACH

OILING

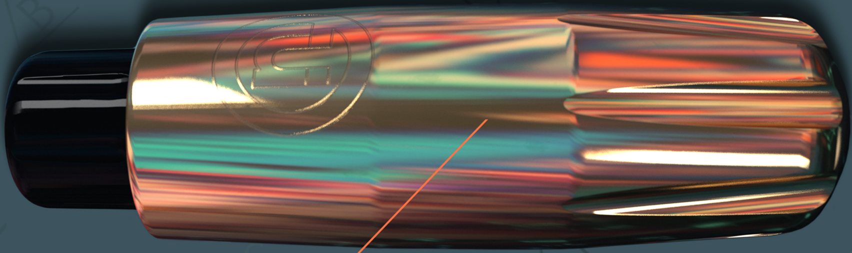
STAINLESS STEEL GRIPS CAN BE AUTOCLAVED OR CHEMICAL SANITIZED TO MAINTAIN STERILE CONDITION (NOTE: ANODIZED ALUMINUM GRIPS WILL LOSE THEIR LUSTRE AND COLOR AFTER EXTENDED CHEMICAL CLEANING AND/OR AUTOCLAVING) DO NOT AUTOCLAVE BRASS OR POWDER-COATED ALUMINUM GRIPS.



USE A Q TIP TO KEEP THE INSIDE OF THE MOTOR ASSEMBLY CLEAN



OIL CAM(S) 1 DROP IN CENTER HOLE AND ON “TEETH” OF THE CAM(S) EVERY 50-100 HOURS OF USE, OR AFTER CLEANING OR CAM CHANGES. (NOTE: CAM DOES NOT SPIN WHEN INSTALLED IN MOTOR ASSEMBLY)



BRASS GRIPS ARE ANTIMICROBIAL BUT WILL PATINA AFTER SOME USE, CAUSING THEM TO LOSE THEIR SHINE. THEY CAN BE POLISHED TO BRING THE SHINE BACK USING POLISHING COMPOUND, FOLLOWED BY CLEANING

CLEANING/STERILIZING