

# RH56DFX Series

The DFX series humanoid five finger dexterous hand is a perfect combination of strength and speed, with a thumb active output force of 1.5KG and a four finger fingertip output force of 1KG. Integrated absolute position sensors and force sensors, it provides real-time force feedback . Power off self-locking, no need to change position when powering on.

- Large Grip Force
- Small size and light weight
- Built in force sensor



[ The Dexterous Hands ]

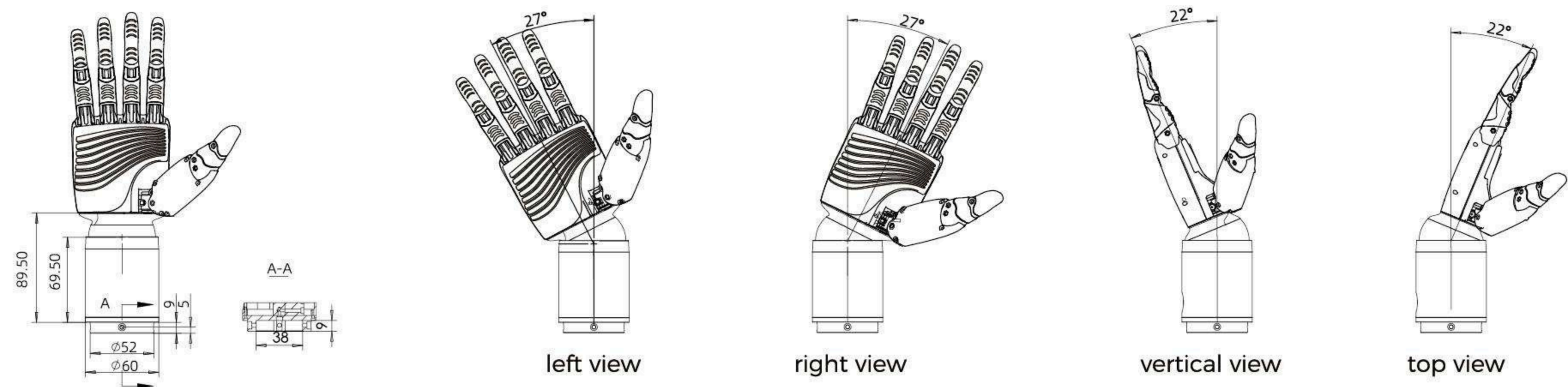
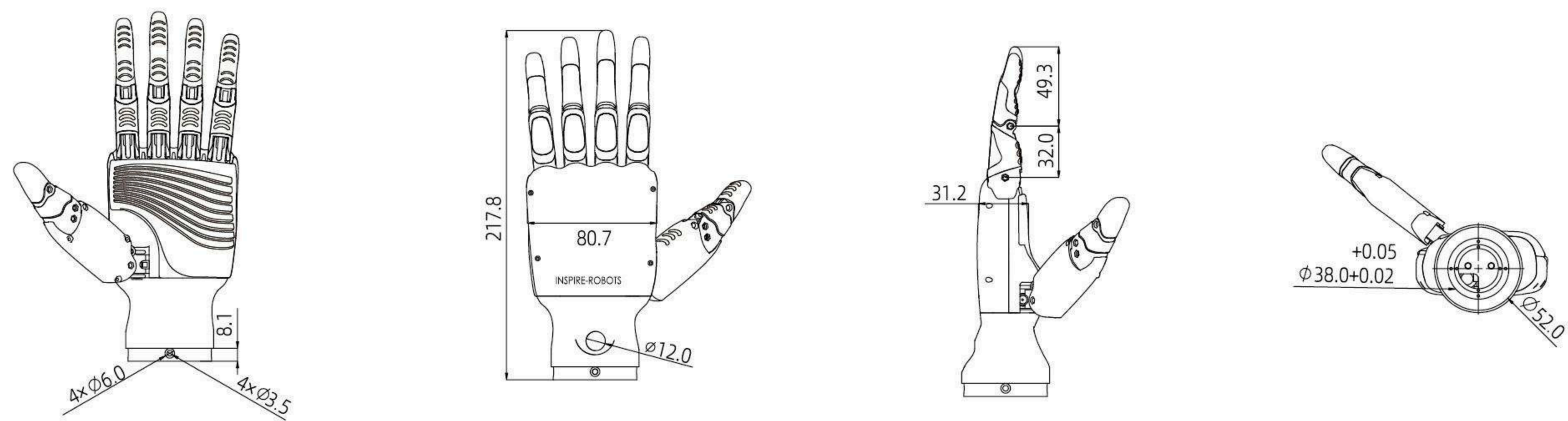


[ The Dexterous Hands + Wrist ]



Model	RH56DFX-2L (left hand model) RH56DFX-2R (Right hand model)	RH56DFXW-2L (left hand model) RH56DFXW-2R (Right hand model)
Wrist	null	include
Control interface	RS485	RS485
Degrees of freedom	6	6+2
Numbers of joints	12	12
Weight	540g	650g
Operating voltage	DC24V±10%	DC24V±10%
Quiescent current	0.09A	0.1A
Peak current	2A	2A
Repeatability	±0.20mm	±0.20mm
Fingertip Strength	15N	15N
Thumb Fingertip Strength	10N	10N
Force resolution	0.50N	0.50N
Lateral rotation range of thumb	>65°	>65°
Lateral rotation speed of thumb	107°/s	107°/s
Flexion speed of thumb	70°/s	70°/s
Flexion speed of four finger	260°/s	260°/s
Wrist Yaw movement	/	±27°
Wrist Pitch movement	/	±22°
Wrist Load torque	/	2NM (Excluding hand weight)

### Dimensions





# Generation ROBOTS

Brand of **NGX** ROBOTICS



+33 (0)5 56 39 37 05



contact@generationrobots.com



1 rue Pierre-Georges Latécoère 33700 Mérignac, France

[www.generationrobots.com](http://www.generationrobots.com)

