

NSR-KIT-F1 Metrology Fingertips Kit for NSR-PG-10-20 Precision Parallel Grippers

Turn your collaborative robot into a powerful tool for automated metrology

The Metrology Fingertips Kit contains three pairs of fingertips for the NSR-PG-10-20 Precision Parallel Gripper. The fingertips attach easily to the gripper's factory fingers using only a hex key wrench.

The gripper and metrology fingertips enable precision measurements (to 10µm resolution) of many types of features on small parts.

Pair together different fingertip shapes to accommodate a wide variety of part features using well-established metrology methods.

Measure outside dimensions on a part by gripping the part between the fingertips. Measure inside dimensions by inserting the fingertips into the feature and opening the fingers to grip the inside walls of the feature.




Visit the website for detailed drawings, and to learn more about data logging and automated metrology with cobots and New Scale Robotics grippers.



Metrology fingertips install easily on the factory fingers of the NSR-PG-10-20 Precision Parallel Gripper



NSR-Kit-F1 Components

Fingertips	Use to measure these types of features	Example
Flat fingertips (2) 	Flat Convex spherical Convex cylindrical	Diameter of a sphere
Spherical fingertips (2) 	Flat Concave spherical Concave cylindrical	Distance between two flat surfaces
Cylindrical fingertips (2) 	Flat Concave cylindrical	Inside diameter of hole in a part
Other components		
M2 x 4 mm screws (2)	To install cylindrical fingertips	
Hex key wrench (1)	To install all fingertips	