

NSR-SET-F2

Metrology Set

for NSR-PG-10-20 Precision Grippers/Calipers

Turn your collaborative robot into a powerful tool for automated metrology

The Metrology Set contains fingers and fingertips for the NSR-PG-10-20 Precision Gripper/Caliper. These easily attach to or replace the factory fingers using only a hex key wrench.

The robotic caliper with metrology fingertips enables precision measurements 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 small part measurement with New Scale Robotics Q-Span Systems and NSR-PG Grippers/Calipers for collaborative robots.



Metrology fingers and fingertips easily attach to or replace the factory fingers of the NSR-PG-10-20 Precision Gripper/Caliper



NSR-Set-F2 Components

Fingertips		Use to measure these types of features	Example
Flat fingertips (3)		Flat Convex spherical Convex cylindrical	Diameter of a sphere
Spherical fingertips (2)	 	Flat Concave spherical Concave cylindrical	Distance between two flat surfaces
2mm Ball End Fingers (2)	 	Flat Concave cylindrical	Inside diameter of hole in a part
Other components			
Screws, pins and hex key wrench	(6) M2 x 4 screws and (4) alignment pins to install fingers and fingertips		