PARALLEL PNEUMATIC GRIPPERS PRECISION LOW PROFILE

All models

shown smaller

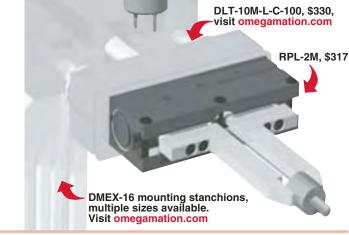
than actual size.

SERIES—LONG FINGER APPLICATIONS





- Precision Gripping–Preloaded V Roller Bearings Eliminate Side Play Resulting in Excellent Part Positioning
- Gripper Force 116 to 160 N (26 to 36 lbs) Stroke 6.4 to 19.1 mm (0.25 to 0.75")
- Accuracy of 0.05 mm (0.002") and Repeatability of 0.03 mm (0.001")
- Rigid and Low Friction Design Allows for Longer Finger Lengths for Use on Delicate Parts
- Non-Synchronous Motion Option Provides Independent Jaw Operation
- Up to 5 Million Cycles in Typical Operation and 10 Million with Maintenance
- Operating Temperature -35 to 80°C (-30 to 180°F)
- System Requires 0.3 to 7 bar (5 to 100 psi) Dry Filtered (40 Micron or Better) Air Supply
- Requires 4 Way, 2 Position Valve and Regulator for Delicate Parts



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RPL-1M, \$233

Note: Gripper fingers and adapter plate shown are for

reference only. Tooling is customers responsibility.

PRODUCT FEATURES

Hard Coat Anodize

The body has hard-coat anodize 60 RC with PTFE impregnation

Pre-Load Adjustment

Screws Adjustable preload screws allow for adjustment of preload on roller bearings

Preloaded

Bearings Roller bearings are preloaded for maximum support and zero side play

Non-Synchronous Operation Available

Self Lubricating Seals Self lubricating dynamic seals (Buna-N only) One Piece Body One piece lightweight aluminum body

Dowel Holes Slip fit dowel pin holes in body

Accessory Mounting Bracket

> Sensors Reads position of jaw (sold separately)

Quality Components

Internal components are made from hardened bearing and tool steels

Patented Bearing Support

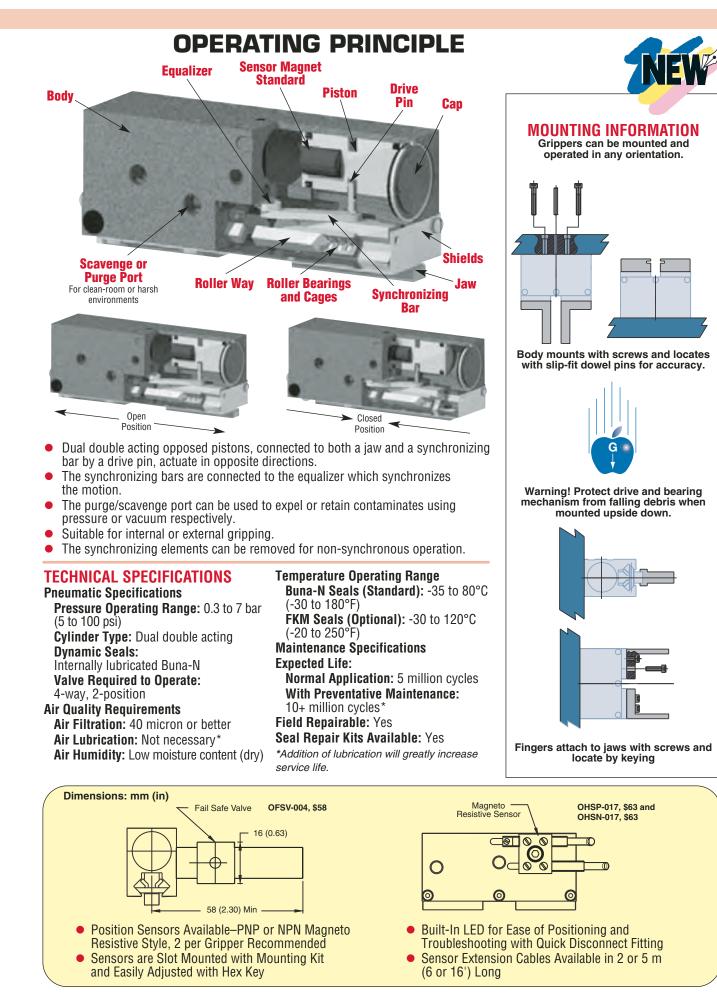
"Dual-V" roller bearings provide low friction rolling motion

High Grip Force

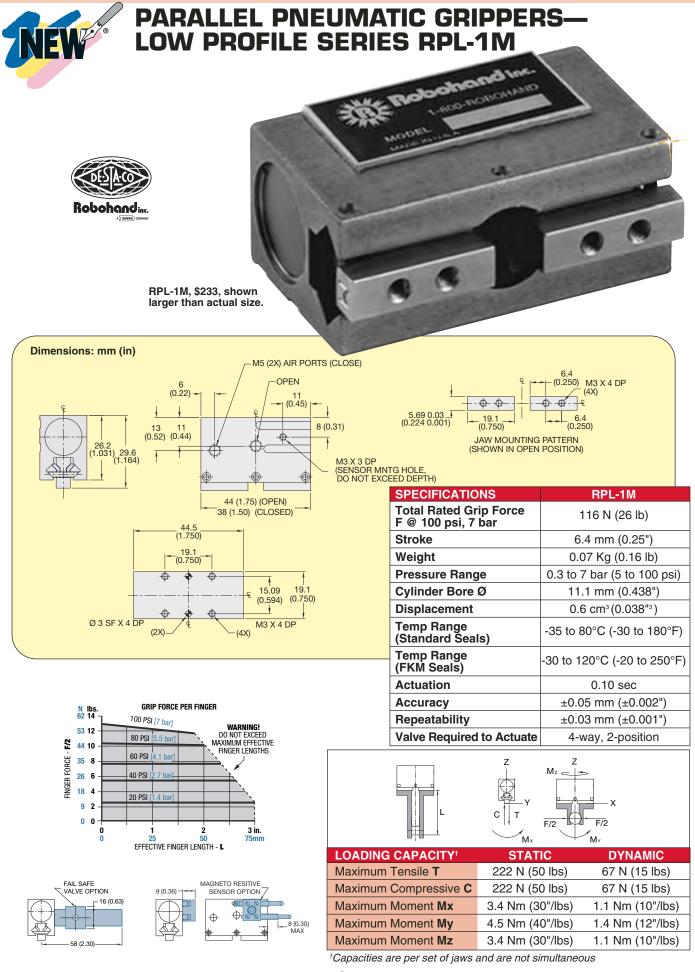
High grip force with respect to

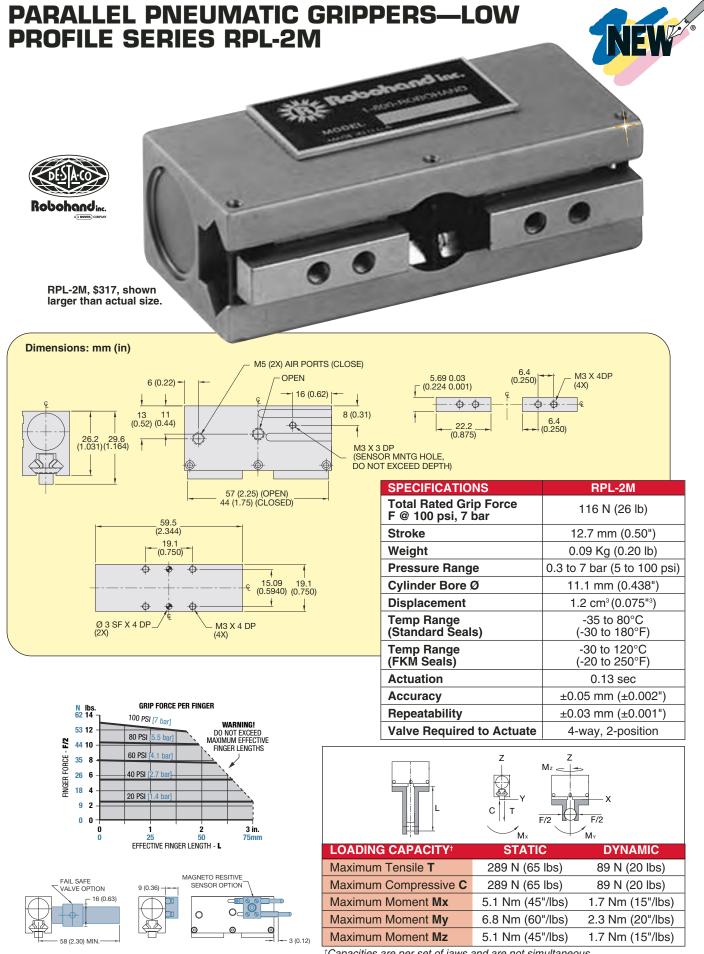
weight due to extremely efficient

drive mechanism



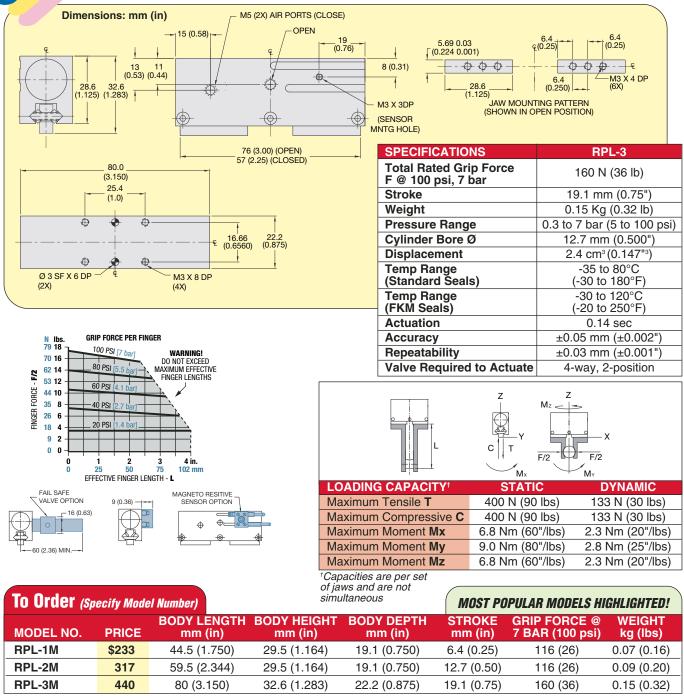
C-38





^tCapacities are per set of jaws and are not simultaneous

PARALLEL PNEUMATIC GRIPPERS— LOW PROFILE SERIES RPL-3M



Ordering Example: RPL-2M mini pneumatic low profile gripper with jaw stoke of 12.7 mm (0.50") \$317. Recommended accessories include 2 sensors and mounting kit, along with a 4-way, 2-position valve. Temperature rating of -35 to 80°C (-30 to 180°F). Temperature range can be extended to -30 to 120°C (-20 to 250°F) with FKM seals. Add "-V" to the end of the part number and \$36. All models come with standard synchronous jaws, if non-synchronous jaws are required consult sales. Detailed specification and CAD drawings are available at omegamation.com.

Accessories

MODEL NO.	PRICE	QTY/UNIT	DESCRIPTION
OSMK-008	\$15	1	Sensor mounting kit
OHSN-017	63	1 or 2	NPN magneto resistive sensor short barrel with quick disconnect fitting
OHSP-017	63	1 or 2	PNP magneto resistive sensor short barrel with quick disconnect fitting
CABL-010	23	1 or 2	2 m (6') sensor extension cable with quick disconnect fitting
CABL-013	26	1 or 2	5 m (16') sensor extension cable with quick disconnect fitting
OFSV-001	58	1	M5 fail safe valve

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