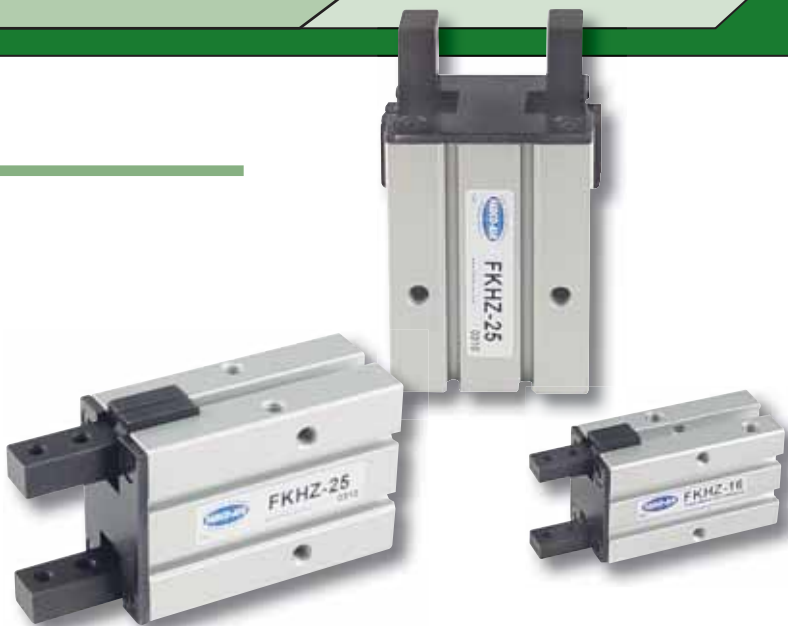


FKHZ Series Wide Opening Parallel Grippers

NEW PRODUCT

Features

1. Magnetic piston is standard feature.
2. Adding optional sensors enables "open" and "close" position sensing.
3. Compact design make grippers ideal for handling small parts in confined areas.
4. Gripper body is hardcoated aluminum ensuring abrasion and corrosion resistance.
5. No extra lubrication required.



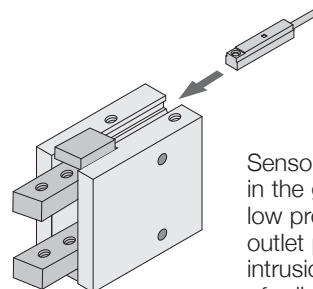
Specifications

100 psi max.

| Model | FKHZ | | | |
|-----------------------------|--|----------|----------|-----------|
| Action | Double acting | | | |
| Bore (mm) | ø10 | ø16 | ø20 | ø25 |
| Media | Compressed air | | | |
| Min. operating pressure | 30 psi | | | |
| Max. operating pressure | 0.7 MPa (7 kgf/cm ²) 100 psi | | | |
| Ambient & media temperature | -10°C(14°F) ~ +60°C(140°F) Use filtered dry air | | | |
| Lubrication | None required or use ISO VG32 | | | |
| Port size | M3x0.5 | M5x0.8 | | |
| Opening | Parallel - See dimensions pages 2 & 3 | | | |
| Close - stroke (mm) | 4 | 6 | 10 | 14 |
| External grip force (lbf) * | 2.4 | 7.6 | 9.4 | 14.6 |
| Internal grip force (lbf)* | 3.8 | 10.1 | 14.8 | 23.3 |
| Weight g (ounce) | 55(1.9) | 115(4.1) | 235(8.3) | 430(15.2) |

Sensors

See specifications and prices in the sensor selection guides on page 3. Please order sensors and female cordsets separately.



Sensors fit into mating slots in the gripper housing. The low profile and in-line wire outlet provides minimal intrusion for close mounting of adjacent components.

*Note: Grip force at 72 psi, at center of stroke and gripping point 20mm from gripper face.

How to Order

FKHZ

- 16

D

Series

Bore

Action

Wide opening, parallel jaw type

ø10

ø16

ø20

ø25

D Double Acting



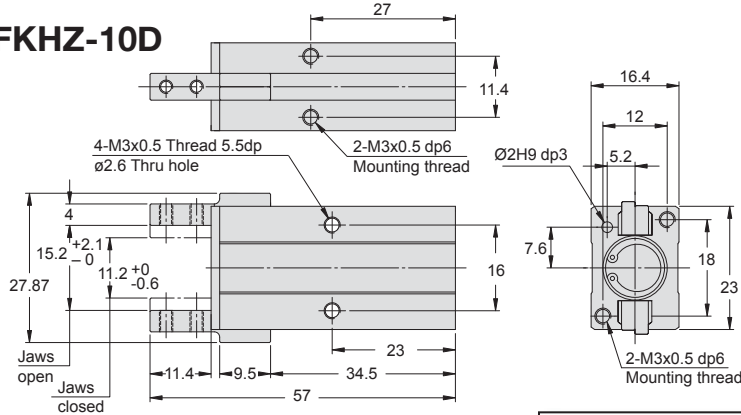
Prices

See sensor specifications, selection guide and pricing on page 3. Please order sensors and female cordsets separately.

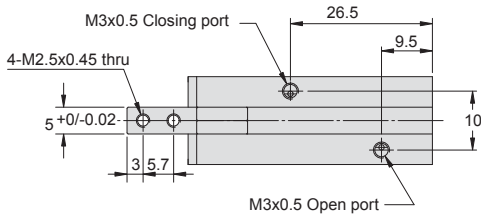
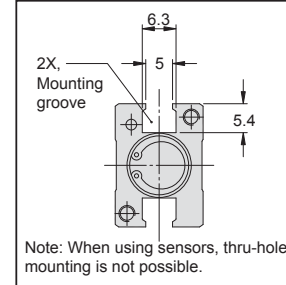
| Model | Price |
|----------|----------|
| FKHZ-10D | \$123.10 |
| FKHZ-16D | 111.55 |
| FKHZ-20D | 162.85 |
| FKHZ-25D | 179.50 |

FKHZ Series Dimensions (mm)

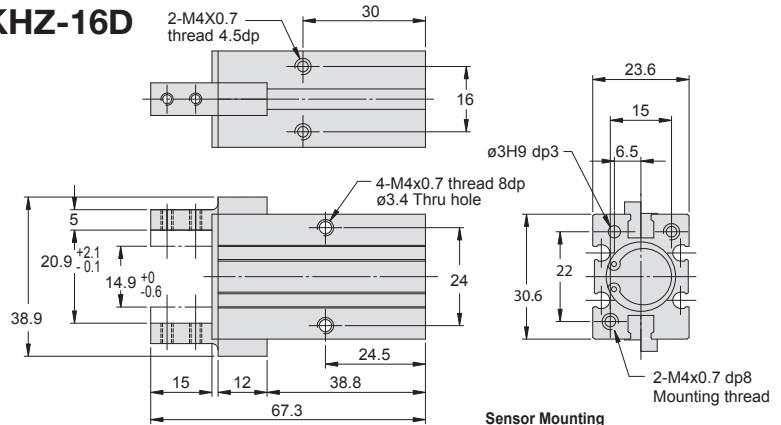
FKHZ-10D



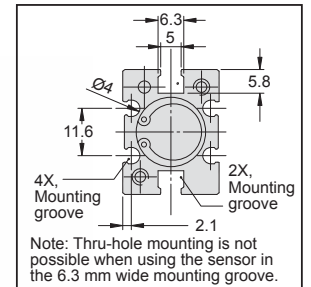
Sensor Mounting Groove Dimensions



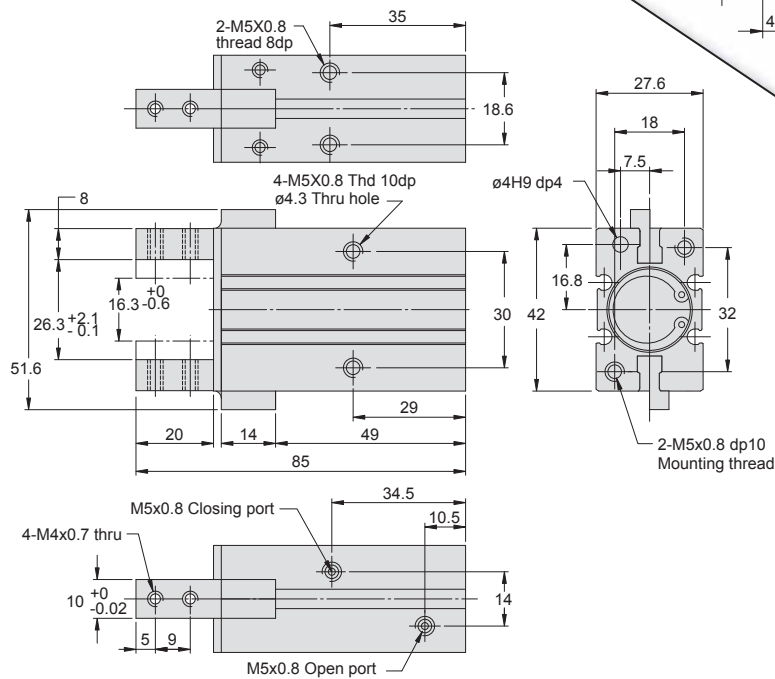
FKHZ-16D



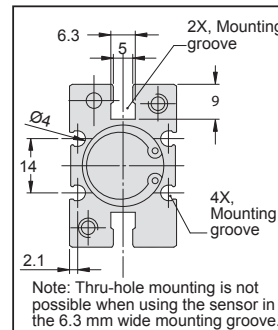
Sensor Mounting Groove Dimensions



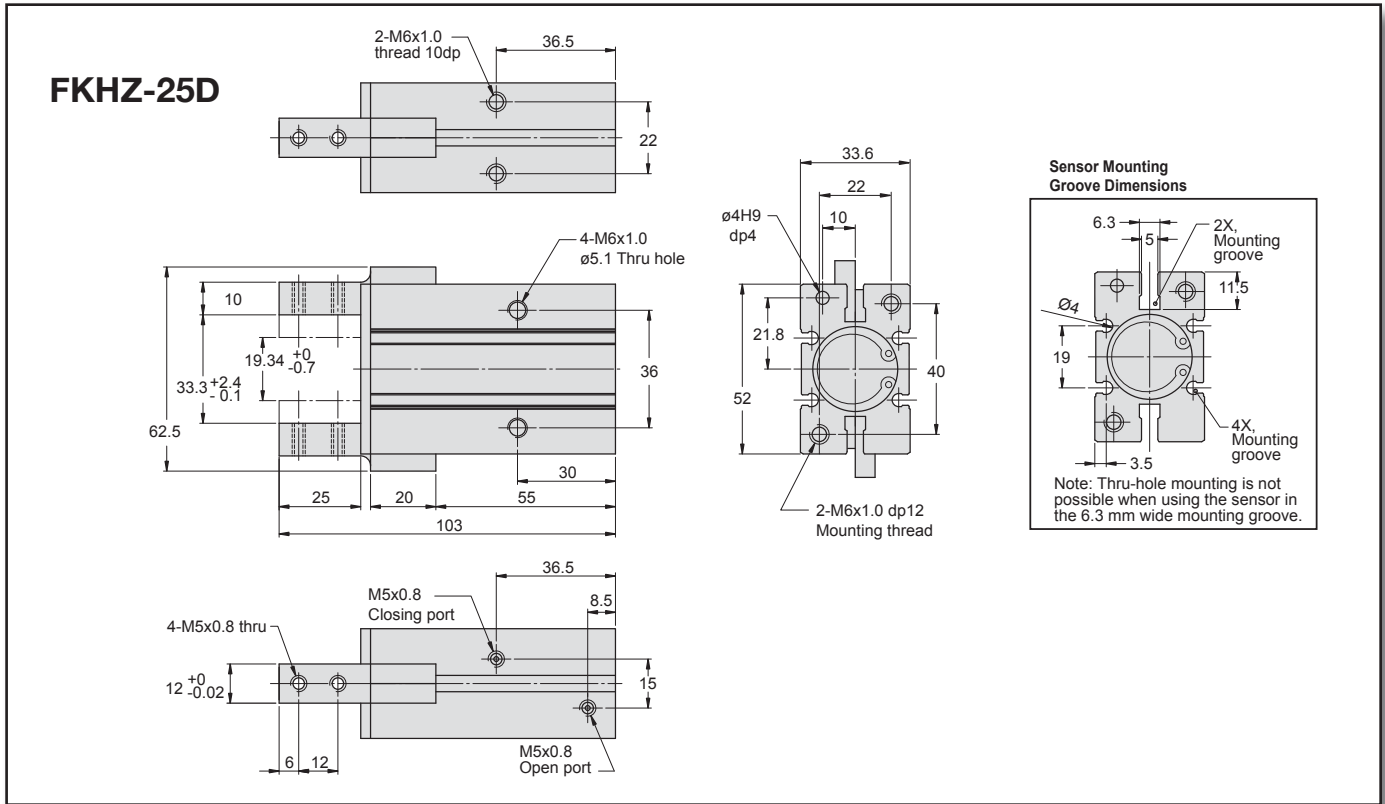
FKHZ-20D



Sensor Mounting Groove Dimensions



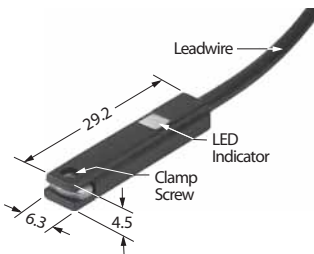
FKHZ Series Dimensions (mm) & Sensor Selection



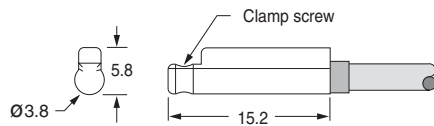
Sensors

See specifications and prices in the sensor selection guides below. Please order sensors and female cordsets separately.

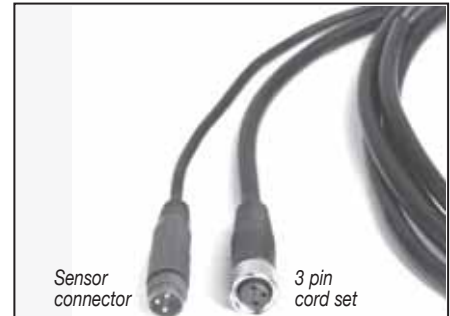
9G49 Sensors



9C49 Sensors



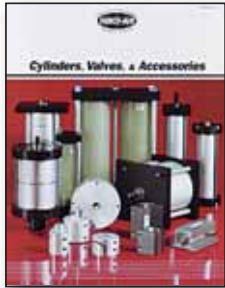
All 9C49 sensors feature surge protection, polarity protection, LED indicator, and extremely fast switching speeds.



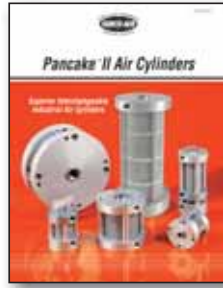
| Female Cord Sets | Part No. | Price |
|------------------|----------|---------|
| 1 Meter | CFC-1M | \$14.35 |
| 2 Meters | CFC-2M | 16.05 |
| 5 Meters | CFC-5M | 20.30 |

| 9G49 Sensor Selection Guide for all bore sizes ø10 ~ ø25 | | Prewired 9 ft. Leadwire Part No. | Price | Quick Disconnect* Part No. | Price | |
|--|------------------|---|------------------------|----------------------------|------------------------|---------|
| 6.3 mm wide | Reed (LED) | 5-120 VDC/VAC, 0.03 Amp max, 0.005 AMP min, 4 Watt max., 2.0 voltage drop | 9G49-000-002 | \$14.00 | 9G49-000-302 | \$16.50 |
| | Electronic (LED) | Sourcing PNP 5-28 VDC, 0.20 Amp max current, 0.5 voltage drop | 9G49-000-031 | 27.45 | 9G49-000-331 | 29.95 |
| | Electronic (LED) | Sinking NPN 5-28 VDC, 0.20 Amp max current, 0.5 voltage drop | 9G49-000-032 | 27.45 | 9G49-000-332 | 29.95 |
| 9C49 Sensor Selection Guide for bore sizes ø16 ~ ø25 | | Prewired 9 ft. Leadwire Part No. | Price | Quick Disconnect* Part No. | Price | |
| 4 mm round | Reed (LED) | 5-120 VDC/VAC, 0.04 Amp max, 0.005 Amp min current, 4 Watt max., 2.5 voltage drop | 9C49-000-002 | \$19.30 | 9C49-000-302 | \$25.70 |
| | Electronic (LED) | Sourcing PNP 6-30 VDC, 0.2 Amp max current, 6 Watt max., 1.5 voltage drop | 9C49-000-031 | 27.30 | 9C49-000-331 | 31.65 |
| | Electronic (LED) | Sinking NPN 6-30 VDC, 0.2 Amp max current, 6 Watt max., 1.5 voltage drop | 9C49-000-032 | 27.30 | 9C49-000-332 | 31.65 |

*Note: All quick disconnect style sensors are supplied with 6 inch pigtail with male connector.



Cylinders, Valves and Accessories
 Catalog #CV9



Pancake® II Air Cylinders
 Catalog Pan2-2



Square Pancake® II Air Cylinders
 Catalog # SqPan2



ISO 6431 Cylinders
 Catalog # FAQR-09



Twin Rod, Non-Rotating Air Cylinders - Catalog # FDF-09 and Catalog # FDXS-09



Multi-Power® Air Presses
 Catalog # FP16



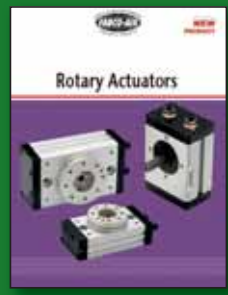
Linear Slides - 6 Families
 Catalog # LS-03



Pneumatic Grippers, Parallel Jaw and Angular Motion - Catalog # GR-8



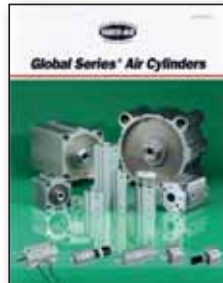
ISO 6432 Cylinders
 Catalog # FAE-09



Rotary Actuators, Pneumatic
 Catalog # FRA.C-09



NFPA Interchangeable Air Cylinders - Catalog # NF-6



Global Series™ Metric Air Cylinders - Catalog # GC-15



Stopper Cylinders
 Catalog # ST-SC



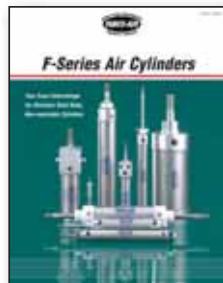
Angular Grippers
 Catalog # FKA-09



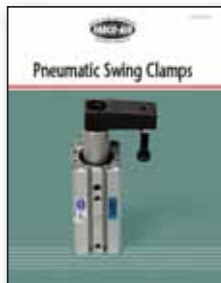
Air Table Slides
 Catalog # FGXS-10



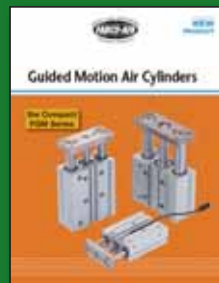
Modular Air Preparation System - FRLs
 Catalog # FRL-06



Stainless Steel Body Air Cylinders
 Catalog # SSB-03



Swing Clamps
 Catalog # SC-DB04



Guided Motion Air Cylinders
 Catalog # FGM-10



Pneumatic & Hydraulic Swing Clamps
 Catalog # FML.H

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