Hydraulic Quick Release

Couplings

Tech Sheet 20472

Tech Sheet 20472

Air Tools & Compresso Equipment Tools.

Pneumatic Grippers

Pneumatic Grippers

- Uses a single piston structure to generate a large gripping force
- · Integrated variable flow valve to conveniently adjust the speed of opening and closing of the fingers
- · Precise positioning accuracy when gripping components
- · Body profile adapted with grooves for mounting sensor switches
- · Integrated magnet for added control
- Gripping jaw opening and closing angle 30° to -10°

· Single acting N/O available on request



KHFY: Double Acting



Double Acting, Angular Style

0415		Ø	Optimum Gripping Po ints Length mm	\mathfrak{L}
KHFY6	M3 x 0.5	6	30	95.20
KHFY10	M3 x 0.5	10	30	95.20
KHFY16	M5 x 0.8	16	40	101.60
KHFY20	M5 x 0.8	20	60	114.25
KHFY25	M5 x 0.8	25	70	133.30
KHFY32	M5 x 0.8	32	85	158.60

- · Integrated linear guide rail for high precision and rigidity
- Positioning pin at the base of the unit to prevent deviation of the rail and body
- Deeper hole on the body to improve precision and consistency when dismounting and positioning
- · Variable positioning jaws
- · Body profile adapted with grooves for mounting sensor switches
- · Other finger types available on request
- · Single acting N/O and N/C available on request
- · Interchangeability: SMC

Tech Sheet

KHFZ: Double Acting

20471



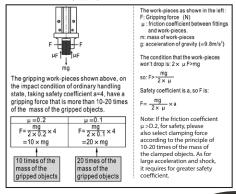
Double Acting, Parallel Style

0415		\bigcirc	Gripping Po int Length mm	Open Diameter mm	Closed Diameter mm	£
KHFZ10	M3 x 0.5	6	5-50	15.5	11.5	206.30
KHFZ16	M5 x 0.8	16	5-55	21.0	15.0	215.70
KHFZ20	M5 x 0.8	20	5-80	26.5	16.5	238.10
KHFZ25	M5 x 0.8	25	5-100	33.5	19.5	285.55

How to select product:

Please select pneumatic finger according to the following steps: the selection of the effective gripping force the confirmation of the gripping point — the confirmation of the external force put on the gripping jaw.

The selection of the gripping force:



Slim profile for discreet safe mounting to grippers.

Tech Sheet 20472

Sensor Switch, Two-line, N/O

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0415		Connecting Cable	L I→I	£
KDS1-H-C08	Straight Connection	M8 Quick Joint	0.15m	24.65
KDS1-H-020	Straight Connection	-	2m	19.95
KDS1-H-030	Straight Connection	-	3m	21.05
KDS1-H-050	Straight Connection	-	5m	23.25
KDS1-HL-C08	90° Connection	M8 Quick Joint	0.15m	24.65
KDS1-HL-020	90° Connection	-	2m	19.95
KDS1-HL-030	90° Connection	-	3m	21.05
KDS1-HL-050	90° Connection	-	5m	23.25

Sensor Switch, Three-line NPN with No Contact (Current Flows In), N/O

Connecting Cable 0415 KDS1-H-N-C08 Straight Connection M8 Quick Joint 0.15m 34.50 KDS1-H-N-020 29.80 Straight Connection 2m KDS1-H-N-030 Straight Connection 31.20 Straight Connection KDS1-H-N-050 34.15 5m KDS1-HL-N-C08 90° Connection M8 Quick Joint 34.50 0.15m KDS1-HL-N-020 29.80 90° Connection 2m KDS1-HL-N-030 90° Connection 3m 31.20 KDS1-HL-N-050 90° Connection 5m 34.15

Sensor Switch, Three-line PNP with No Contact (Current Flows Out), N/O

110 Contact (Carrent 10W3 Out), 1470						
0415		Connecting Cable	L	£		
KDS1-H-P-C08	Straight Connection	M8 Quick Joint	0.15m	34.50		
KDS1-H-P-020	Straight Connection	-	2m	29.80		
KDS1-H-P-030	Straight Connection	-	3m	31.20		
KDS1-H-P-050	Straight Connection	-	5m	34.15		
KDS1-HL-P-C08	90° Connection	M8 Quick Joint	0.15m	34.50		
KDS1-HL-P-020	90° Connection	-	2m	29.80		
KDS1-HL-P-030	90° Connection	-	3m	31.20		
KDS1-HL-P-050	90° Connection	-	5m	34.15		