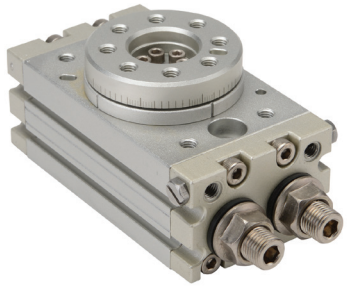
NITRA PNEUMATICS

Rotary Actuator

Double Acting



J10MD-M

NITRA Pneumatics rotary actuators are an excellent choice for many automation applications. Available in four body sizes with or without shock absorbers. All are double acting and have an adjustable travel range from zero to 190 degrees. Anodized aluminum bodies include integral mounting slots for position switches.

Features

- Four body sizes (10, 20, 30, 50 lb•in @ 80 psi)
- Anodized aluminum bodies
- Available with rubber bumpers or shock absorbers
- Position switch ready with integral mounting slots
- Zero to 190 degrees adjustable rotation

2 YEAR WARRANTY

NITRA Rotary Actuators - Double Acting

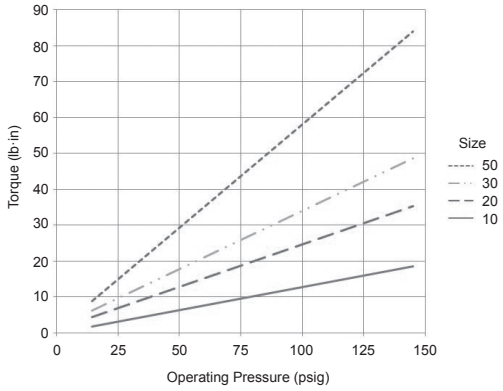
Part No.	Description	Action	Size*	Air Consumption (cc/deg)	End Stops	Body	Port(s)	Price	Weight (lbs)
J10MD-MA	NITRA pneumatic rotary actuator	Double acting	10	0.04	Shock Absorber	Anodized aluminum	M5 x 0.8	$470.00	1.3
J20MD-M			20	0.08	Rubber bumpers			$437.00	2.3
J20MD-MA					Shock Absorber			$530.00	2.3
J30MD-M			30	0.10	Rubber bumpers		1/8in female NPT	Retired	3.0
J50MD-MA			50	0.18	Shock Absorber			$665.00	4.9

** lb•in torque @ 80 psi*

NITRA Rotary Acutuator Specifications

Fluid		Air (clean/dry)
Action		Double rack and pinion (double acting)
Pressure Range	Bolt Adjustment	14 to 145 psig (0.97 to 9.99 bar)
	Shock Adjustment	14 to 87 psig (0.97 to 5.99 bar)
Proof Pressure		175 psig
Temperature Range		32°F to 140°F (0°C to 60°C)
Adjustment Angle Range		0° to 190° Rotation
Repeatable Precision	Bolt Adjustment	0.2°
	Shock Adjustment	0.05°
Rotation Times (s/90°)	Bolt Adjustment	0.2 - 1.0
	Shock Adjustment	0.2 - 0.7
Cushion Type	Bolt Adjustment	Rubber Bumper
	Shock Adjustment	Shock Absorber
Port Size		M5 x 0.8 (sizes 10 and 20) Rear ports 1/8 NPT / Side ports M5 x 0.8 (sizes 30 and 50)
Sensor Switch Compatibility		Nitra CPS9C-xx-x
Includes		Magnet
Approvals		None

Torque Output



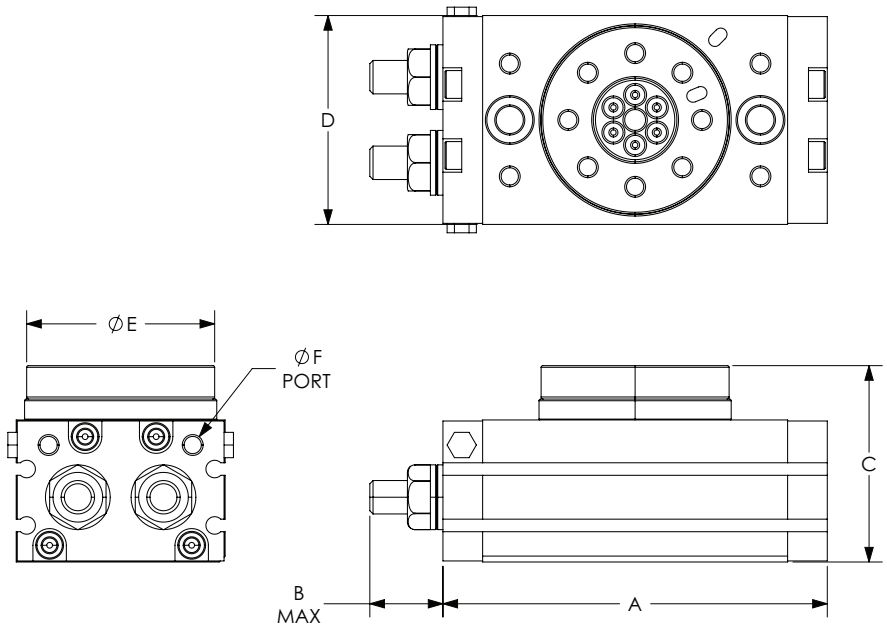
Rotary Loads

"Loading Type (max allowed)"	J10MD-xx	J20MD-xx	J30MD-xx	J50MD-xx
Radial	"18lbs (80N)"	"33.7lbs 150N"	"45lbs (200N)"	"67.4lbs (300N)"
Axial	"18lbs (80N)"	"33.7lbs 150N"	"45lbs (200N)"	"67.4lbs (300N)"
Bending Moment	"22.1in-lbs (2.5Nm)"	"35.4in-lbs (4.0Nm)"	"48.7in-lbs (5.5Nm)"	"88.5in-lbs (10.0Nm)"

Rotary Actuator

Dimensions

mm [inches]



Rotary Actuator Dimensions						
Part #	***A***	***B***	***C***	***D***	***ØE***	***ØF***
J10MD-MA	92.0 [3.62]	28.5 [1.12}	47.0 [1.85]	50.0 [1.97]	45.0 [1.77]	M5 x 0.8
J20MD-M	117.0 [4.61]	26.0 [1.02]	54.0 [2.13]	65.0 [2.56]	60.0 [2.36]	M5 x 0.8
J20MD-MA	117.0 [4.61]	39.0 [1.54]	54.0 [2.13]	65.0 [2.56]	60.0 [2.36]	M5 x 0.8
J30MD-M	127.0 [5.00]	25.5 [1.00]	57.0 [2.24]	70.0 [2.76]	65.0 [2.56]	1/8 NPT
J50MD-MA	152.0 [5.98]	51.0 [2.01]	66.0 [2.60]	80.0 [3.15]	75.0 [2.95]	1/8 NPT

See our website www.AutomationDirect.com for complete Engineering drawings.

Accessories

J2030M-SA

NITRA Rotary Actuator Accessories			
Part No.	***Description***	***Price***	***Weight (lbs)***
J10M-SA	NITRA shock absorber, for use with J-series size 10 rotary actuators.	$47.50	0.1
J2030M-SA	NITRA shock absorber, for use with J-series sizes 20 and 30 rotary actuators.	$55.00	0.2

Pneumatic Gripper - Parallel (Side Mount Grip)

Double Acting

KP06MD-M

NITRA Pneumatics grippers are an excellent choice for many automation applications. They are available in both parallel and angular travels in seven different body sizes. Grippers are either double acting, single acting normally closed or single acting normally open. Anodized aluminum bodies include integral mounting slots for position switches.

Features

- Seven sizes available (6 to 40mm bore)
- Double acting or single acting N.O. or N.C.
- Anodized aluminum bodies
- Position switch ready with integral mounting slots

NITRA Pneumatic Gripper - Parallel (Side Mount Grip) - Double Acting										
Part No.	***Description***	***Style***	***Action***	***Size - Bore (mm)***	***Stroke (mm)***	***Grip***	***Body***	***Port(s)***	***Price***	***Weight (lbs)***
KP06MD-M	NITRA pneumatic gripper	Parallel	Double acting	6	4	Side mount	Anodized aluminum	M3 x 0.5	$253.00	0.1
KP10MD-M				10					$273.00	0.2
KP20MD-M				20	10			M5 x 0.8	$397.00	0.5
KP25MD-M				25	14				$473.00	1.0
KP32MD-M				32	22				$715.00	1.9
KP40MD-M				40	30				$817.00	3.1

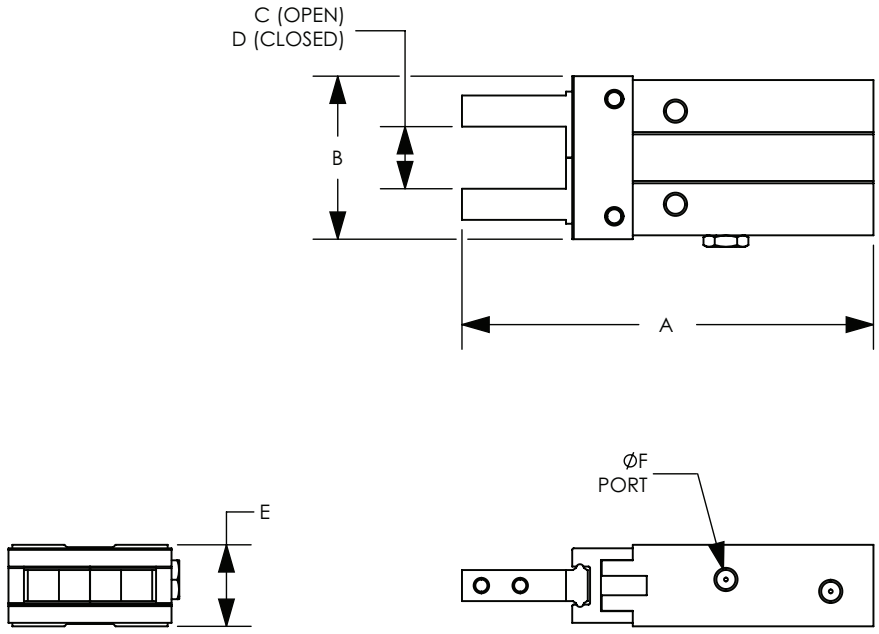
NITRA Pneumatic Gripper Specifications		
Fluid		Air (clean/dry)
Pressure Range	***6mm, 10mm***	29 to 101 psig (1.99 to 6.96 bar)
	16mm to 40mm	22 to 101 psig (1.52 to 6.96 bar)
Proof Pressure		175 psig
Temperature Range		-4°F to 160°F (-20°C to 60°C)
Lubrication		Not required
Repeatability	***6mm to 25mm***	± 0.01 mm
	32mm to 40mm	± 0.02 mm
Max Frequency	***6mm to 25mm***	180 cycles/min
	32mm to 40mm	60 cycles/min
Port Size		M3 x 0.5 (6 to 10mm units) M5 x 0.8 (16 to 40mm units)
Sensor Switch Compatibility		Nitra CPS9H-xx-x or CPS9C-xx-x
Includes		Magnet
Approvals		None

Click the above icon or scan the QR code to be taken to www.automationdirect.com/selectors/pneumaticgripper for our online Gripper Configuration Tool for further selection assistance.

Pneumatic Gripper - Parallel (Side Mount Grip)

Dimensions

mm [inches]



Pneumatic Gripper Dimensions						
Part #	***A***	***B***	***C***	***D***	***E***	***ØF***
KP06MD-M	53.0 [2.09]	21.0 [0.83]	11.0 [0.43]	8.0 [0.31]	10.5 [0.41]	M3 x 0.5
KP10MD-M	57.0 [2.24]	30.0 [1.18]	15.5 [0.61]	11.5 [0.45]	16.5 [0.65]	M3 x 0.5
KP20MD-M	84.5 [3.32]	53.0 [2.09]	26.5 [1.04]	16.5 [0.65]	27.5 [1.08]	M5 x 0.8
KP25MD-M	102.5 [4.04]	71.0 [2.80]	33.5 [1.31]	19.5 [0.77]	33.5 [1.32]	M5 x 0.8
KP32MD-M	113.0 [4.45]	106.0 [4.17]	48.0 [1.89]	26.0 [1.02]	40.0 [1.57]	M5 x 0.8
KP40MD-M	139.0 [5.47]	119.0 [4.70]	60.0 [2.36]	30.0 [1.18]	48.0 [1.89]	M5 x 0.8

See our website www.AutomationDirect.com for complete Engineering drawings.

Pneumatic Gripper - Parallel (Side Mount Grip)

Single Acting - Normally Closed

KP06MSC-M

NITRA Pneumatics grippers are an excellent choice for many automation applications. They are available in both parallel and angular travels in seven different body sizes. Grippers are either double acting, single acting normally closed or single acting normally open. Anodized aluminum bodies include integral mounting slots for position switches.

Features

- Seven sizes available (6 to 40mm bore)
- Double acting or single acting N.O. or N.C.
- Anodized aluminum bodies
- Position switch ready with integral mounting slots

NITRA Pneumatic Gripper - Parallel (Side Mount Grip) - Single Acting - Normally Closed

Part No.	Description	Style	Action	Size - Bore (mm)	Stroke (mm)	Grip	Body	Port(s)	Price	Weight (lbs)
KP06MSC-M	NITRA pneumatic gripper	Parallel	Single acting, normally closed	6	4	Side mount	Anodized aluminum	M3 x 0.5	$253.00	0.1
KP10MSC-M				10					$273.00	0.2
KP16MSC-M				16	6			M5 x 0.8	$279.00	0.3
KP20MSC-M				20	10				$397.00	0.5
KP25MSC-M				25	14				$473.00	1.0
KP32MSC-M				32	22				$715.00	1.9
KP40MSC-M				40	30				$817.00	3.1

NITRA Pneumatic Gripper Specifications

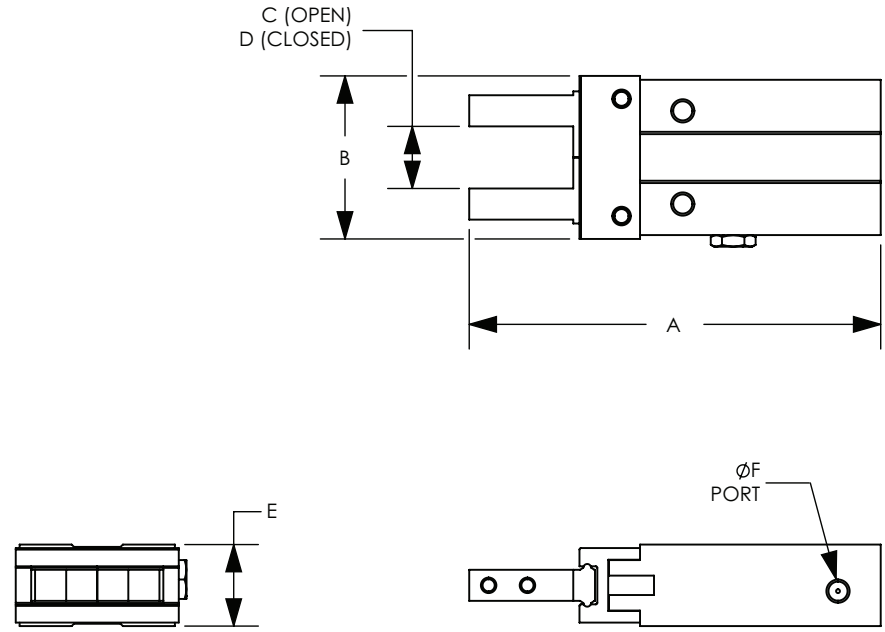
Fluid		Air (clean/dry)
Pressure Range	6mm, 10mm	50 to 101 psig (3.45 to 6.96 bar)
	16mm to 40mm	36 to 101 psig (2.48 to 6.96 bar)
Proof Pressure		175 psig
Temperature Range		-4°F to 160°F (-20°C to 60°C)
Lubrication		Not required
Repeatability	6mm to 25mm	± 0.01 mm
	32mm to 40mm	± 0.02 mm
Max Frequency	6mm to 25mm	180 cycles/min
	32mm to 40mm	60 cycles/min
Port Size		M3 x 0.5 (6 to 10mm units) M5 x 0.8 (16 to 40mm units)
Sensor Switch Compatibility		Nitra CPS9H-xx-x or CPS9C-xx-x
Includes		Magnet
Approvals		None

Click the above icon or scan the QR code to be taken to www.automationdirect.com/selectors/pneumaticgripper for our online Gripper Configuration Tool for further selection assistance.

Pneumatic Gripper - Parallel (Side Mount Grip)

Dimensions

mm [inches]



Pneumatic Gripper Dimensions						
Part #	***A***	***B***	***C***	***D***	***E***	***ØF***
KP06MSC-M	53.0 [2.09]	21.0 [0.83]	11.0 [0.43]	8.0 [0.31]	10.5 [0.41]	M3 x 0.5
KP10MSC-M	57.0 [2.24]	30.0 [1.18]	15.5 [0.61]	11.5 [0.45]	16.5 [0.65]	M3 x 0.5
KP16MSC-M	67.5 [2.65]	39.0 [1.54]	21.0 [0.83]	15.0 [0.59]	23.5 [0.93]	M5 x 0.8
KP20MSC-M	84.5 [3.32]	53.0 [2.09]	26.5 [1.04]	16.5 [0.65]	27.5 [1.08]	M5 x 0.8
KP25MSC-M	102.5 [4.04]	71.0 [2.80]	33.5 [1.31]	19.5 [0.77]	33.5 [1.32]	M5 x 0.8
KP32MSC-M	122.0 [4.80]	106.0 [4.17]	48.0 [1.89]	26.0 [1.02]	40.0 [1.57]	M5 x 0.8
KP40MSC-M	152.0 [5.98]	119.0 [4.69]	60.0 [2.36]	30.0 [1.18]	48.0 [1.89]	M5 x 0.8

See our website www.AutomationDirect.com for complete Engineering drawings.

Pneumatic Gripper - Parallel (Side Mount Grip)

Single Acting - Normally Open

KP06MSA-M

NITRA Pneumatics grippers are an excellent choice for many automation applications. They are available in both parallel and angular travels in seven different body sizes. Grippers are either double acting, single acting normally closed or single acting normally open. Anodized aluminum bodies include integral mounting slots for position switches.

Features

- Seven sizes available (6 to 40mm bore)
- Double acting or single acting N.O. or N.C.
- Anodized aluminum bodies
- Position switch ready with integral mounting slots

NITRA Pneumatic Gripper - Parallel (Side Mount Grip) - Single Acting - Normally Open

Part No.	Description	Style	Action	Size - Bore (mm)	Stroke (mm)	Grip	Body	Port(s)	Price	Weight (lbs)
KP06MSA-M	NITRA pneumatic gripper	Parallel	Single acting, normally open	6	4	Side mount	Anodized aluminum	M3 x 0.5	$253.00	0.1
KP10MSA-M				10					$273.00	0.2
KP16MSA-M				16	6			M5 x 0.8	$279.00	0.3
KP20MSA-M				20	10				$397.00	0.5
KP25MSA-M				25	14				$473.00	1.0
KP32MSA-M				32	22				$715.00	1.9
KP40MSA-M				40	30				$817.00	3.1

NITRA Pneumatic Gripper Specifications

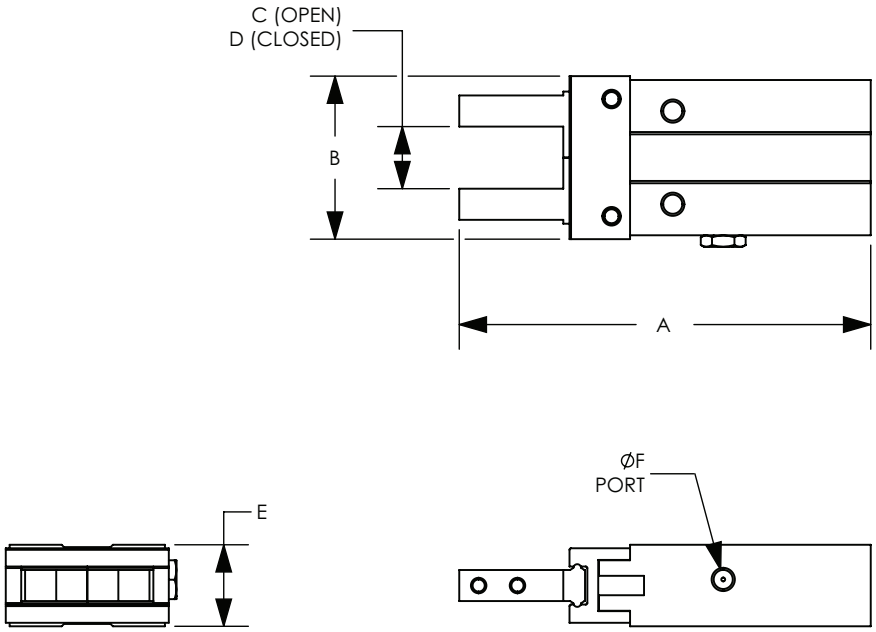
Fluid		Air (clean/dry)
Pressure Range	6mm, 10mm	50 to 101 psig (3.45 to 6.96 bar)
	16mm to 40mm	36 to 101 psig (2.48 to 6.96 bar)
Proof Pressure		175 psig
Temperature Range		-4°F to 160°F (-20°C to 60°C)
Lubrication		Not required
Repeatability	6mm to 25mm	± 0.01 mm
	32mm to 40mm	± 0.02 mm
Max Frequency	6mm to 25mm	180 cycles/min
	32mm to 40mm	60 cycles/min
Port Size		M3 x 0.5 (6 to 10mm units) M5 x 0.8 (16 to 40mm units)
Sensor Switch Compatibility		Nitra CPS9H-xx-x or CPS9C-xx-x
Includes		Magnet
Approvals		None

Click the above icon or scan the QR code to be taken to www.automationdirect.com/selectors/pneumaticgripper for our online Gripper Configuration Tool for further selection assistance.

Pneumatic Gripper - Parallel (Side Mount Grip)

Dimensions

mm [inches]



Pneumatic Gripper Dimensions						
Part #	***A***	***B***	***C***	***D***	***E***	***ØF***
KP06MSA-M	53.0 [2.09]	21.0 [0.83]	11.0 [0.43]	8.0 [0.31]	10.5 [0.41]	M3 x 0.5
KP10MSA-M	57.0 [2.24]	30.0 [1.18]	15.5 [0.61]	11.5 [0.45]	16.5 [0.65]	M3 x 0.5
KP16MSA-M	67.5 [2.65]	39.0 [1.54]	21.0 [0.83]	15.0 [0.59]	23.5 [0.93]	M5 x 0.8
KP20MSA-M	84.5 [3.32]	53.0 [2.09]	26.5 [1.04]	16.5 [0.65]	27.5 [1.08]	M5 x 0.8
KP25MSA-M	102.5 [4.04]	71.0 [2.80]	33.5 [1.31]	19.5 [0.77]	33.5 [1.32]	M5 x 0.8
KP32MSA-M	122.0 [4.80]	106.0 [4.17]	48.0 [1.89]	26.0 [1.02]	40.0 [1.57]	M5 x 0.8
KP40MSA-M	152.0 [5.98]	119.0 [4.69]	60.0 [2.36]	30.0 [1.18]	48.0 [1.89]	M5 x 0.8

See our website www.AutomationDirect.com for complete Engineering drawings.

Pneumatic Gripper - Parallel (End Mount Grip)

Double Acting

KP06MD-MB

NITRA Pneumatics grippers are an excellent choice for many automation applications. They are available in both parallel and angular travels in seven different body sizes. Grippers are either double acting, single acting normally closed or single acting normally open. Anodized aluminum bodies include integral mounting slots for position switches.

Features

- Seven sizes available (6 to 40mm bore)
- Double acting or single acting N.O. or N.C.
- Anodized aluminum bodies
- Position switch ready with integral mounting slots

NITRA Pneumatic Gripper - Parallel (End Mount Grip) - Double Acting

Part No.	Description	Style	Action	Size - Bore (mm)	Stroke (mm)	Grip	Body	Port(s)	Price	Weight (lbs)
KP06MD-MB	NITRA pneumatic gripper	Parallel	Double acting	6	4	End mount	Anodized aluminum	M3 x 0.5	$253.00	0.1
KP10MD-MB				10					$273.00	0.2
KP16MD-MB				16	6			M5 x 0.8	$279.00	0.3
KP20MD-MB				20	10				$397.00	0.5
KP25MD-MB				25	14				$473.00	1.0
KP32MD-MB				32	22				$715.00	1.9
KP40MD-MB				40	30				$817.00	3.1

NITRA Pneumatic Gripper Specifications

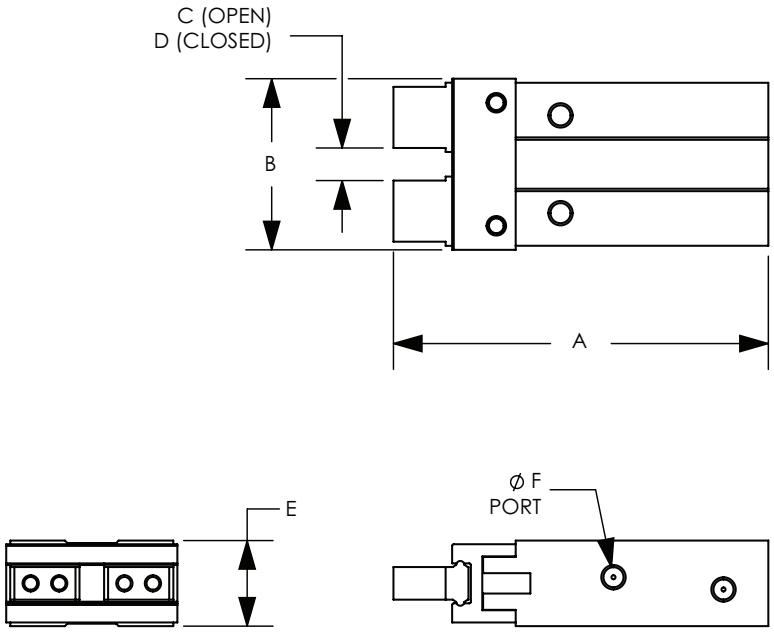
Fluid		Air (clean/dry)
Pressure Range	6mm, 10mm	29 to 101 psig (1.99 to 6.97 bar)
	16mm to 40mm	22 to 101 psig (1.52 to 6.97 bar)
Proof Pressure		175 psig
Temperature Range		-4°F to 160°F (-20°C to 60°C)
Lubrication		Not required
Repeatability	6mm to 25mm	± 0.01 mm
	32mm to 40mm	± 0.02 mm
Max Frequency	6mm to 25mm	180 cycles/min
	32mm to 40mm	60 cycles/min
Port Size		M3 x 0.5 (6 to 10mm units) M5 x 0.8 (16 to 40mm units)
Sensor Switch Compatibility		Nitra CPS9H-xx-x or CPS9C-xx-x
Includes		Magnet
Approvals		None

Click the above icon or scan the QR code to be taken to www.automationdirect.com/selectors/pneumaticgripper for our online Gripper Configuration Tool for further selection assistance.

Pneumatic Gripper - Parallel (End Mount Grip)

Dimensions

mm [inches]



Pneumatic Gripper Dimensions						
Part #	***A***	***B***	***C***	***D***	***E***	***ØF***
KP06MD-MB	46.0 [1.81]	21.0 [0.83]	4.0 [0.16]	1.5 [0.06]	10.5 [0.41]	M3 x 0.5
KP10MD-MB	48.7 [1.92]	30.0 [1.18]	5.5 [0.22]	1.5 [0.06]	16.5 [0.65]	M3 x 0.5
KP16MD-MB	58.3 [2.30]	39.0 [1.54]	7.5 [0.30]	1.5 [0.06]	23.5 [0.93]	M5 x 0.8
KP20MD-MB	73.0 [2.87]	53.0 [2.09]	11.5 [0.45]	1.5 [0.06]	27.5 [1.08]	M5 x 0.8
KP25MD-MB	88.1 [3.47]	71.0 [2.80]	16.0 [0.63]	2.0 [0.08]	33.5 [1.32]	M5 x 0.8
KP32MD-MB	106.0 [4.17]	106.0 [4.17]	25.0 [0.98]	3.0 [0.12]	40.0 [1.57]	M5 x 0.8
KP40MD-MB	133.0 [5.24]	132.0 [5.20]	33.0 [1.30]	3.0 [0.12]	48.0 [1.89]	M5 x 0.8

See our website www.AutomationDirect.com for complete Engineering drawings.

Pneumatic Gripper - Parallel (End Mount Grip)

Single Acting - Normally Closed

KP06MSC-MB

NITRA Pneumatics grippers are an excellent choice for many automation applications. They are available in both parallel and angular travels in seven different body sizes. Grippers are either double acting, single acting normally closed or single acting normally open. Anodized aluminum bodies include integral mounting slots for position switches.

Features

- Seven sizes available (6 to 40mm bore)
- Double acting or single acting N.O. or N.C.
- Anodized aluminum bodies
- Position switch ready with integral mounting slots

2 YEAR WARRANTY

NITRA Pneumatic Gripper - Parallel (End Mount Grip) - Single Acting Normally Closed

Part No.	Description	Style	Action	Size - Bore (mm)	Stroke (mm)	Grip	Body	Port(s)	Price	Weight (lbs)
KP06MSC-MB	NITRA pneumatic gripper	Parallel	Single acting, normally closed	6	4	End Mount	Anodized aluminum	M3 x 0.5	$253.00	0.1
KP10MSC-MB				10					$273.00	0.2
KP16MSC-MB				16	6			M5 x 0.8	$279.00	0.3
KP20MSC-MB				20	10				$397.00	0.5
KP25MSC-MB				25	14				$473.00	1.0
KP32MSC-MB				32	22				$715.00	1.9
KP40MSC-MB				40	30				$817.00	3.1

NITRA Pneumatic Gripper Specifications

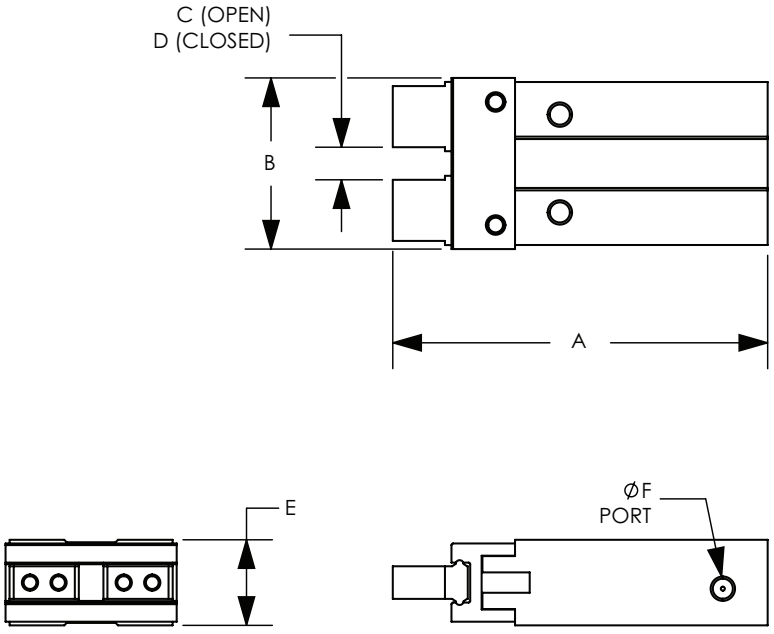
Fluid		Air (clean/dry)
Pressure Range	6mm, 10mm	50 to 101 psig (3.45 to 6.96 bar)
	16mm to 40mm	36 to 101 psig (2.48 to 6.96 bar)
Proof Pressure		175 psig
Temperature Range		-4°F to 160°F (-20°C to 60°C)
Lubrication		Not required
Repeatability	6mm to 25mm	± 0.01 mm
	32mm to 40mm	± 0.02 mm
Max Frequency	6mm to 25mm	180 cycles/min
	32mm to 40mm	60 cycles/min
Port Size		M3 x 0.5 (6 to 10mm units) M5 x 0.8 (16 to 40mm units)
Sensor Switch Compatibility		Nitra CPS9H-xx-x or CPS9C-xx-x
Includes		Magnet
Approvals		None

Click the above icon or scan the QR code to be taken to www.automationdirect.com/selectors/pneumaticgripper for our online Gripper Configuration Tool for further selection assistance.

Pneumatic Gripper - Parallel (End Mount Grip)

Dimensions

mm [inches]



Pneumatic Gripper Dimensions						
Part #	***A***	***B***	***C***	***D***	***E***	***ØF***
KP06MSC-MB	46.0 [1.81]	21.0 [0.83]	4.0 [0.16]	1.5 [0.06]	10.5 [0.41]	M3 x 0.5
KP10MSC-MB	48.7 [1.92]	30.0 [1.18]	5.5 [0.22]	1.5 [0.06]	16.5 [0.65]	M3 x 0.5
KP16MSC-MB	58.3 [2.30]	39.0 [1.54]	7.5 [0.30]	1.5 [0.06]	23.5 [0.93]	M5 x 0.8
KP20MSC-MB	73.0 [2.87]	53.0 [2.09]	11.5 [0.45]	1.5 [0.06]	27.5 [1.08]	M5 x 0.8
KP25MSC-MB	88.1 [3.47]	71.0 [2.80]	16.0 [0.63]	2.0 [0.08]	33.5 [1.32]	M5 x 0.8
KP32MSC-MB	106.0 [4.17]	106.0 [4.17]	25.0 [0.98]	3.0 [0.12]	40.0 [1.57]	M5 x 0.8
KP40MSC-MB	133.0 [5.24]	132.0 [5.20]	33.0 [1.30]	3.0 [0.12]	48.0 [1.89]	M5 x 0.8

See our website www.AutomationDirect.com for complete Engineering drawings.

NITRA PNEUMATICS

Pneumatic Gripper - Parallel (End Mount Grip)

Single Acting - Normally Open

KP06MSA-MB

NITRA Pneumatics grippers are an excellent choice for many automation applications. They are available in both parallel and angular travels in seven different body sizes. Grippers are either double acting, single acting normally closed or single acting normally open. Anodized aluminum bodies include integral mounting slots for position switches.

Features

- Seven sizes available (6 to 40mm bore)
- Double acting or single acting N.O. or N.C.
- Anodized aluminum bodies
- Position switch ready with integral mounting slots

NITRA Pneumatic Gripper - Parallel (End Mount Grip) - Single Acting Normally Open

Part No.	Description	Style	Action	Size - Bore (mm)	Stroke (mm)	Grip	Body	Port(s)	Price	Weight (lbs)
KP06MSA-MB	NITRA pneumatic gripper	Parallel	Single acting, normally open	6	4	End Mount	Anodized aluminum	M3 x 0.5	$253.00	0.1
KP10MSA-MB				10					$273.00	0.2
KP16MSA-MB				16	6			M5 x 0.8	$279.00	0.3
KP20MSA-MB				20	10				$397.00	0.5
KP25MSA-MB				25	14				$473.00	1.0
KP32MSA-MB				32	22				$715.00	1.9
KP40MSA-MB				40	30				$817.00	3.1

NITRA Pneumatic Gripper Specifications

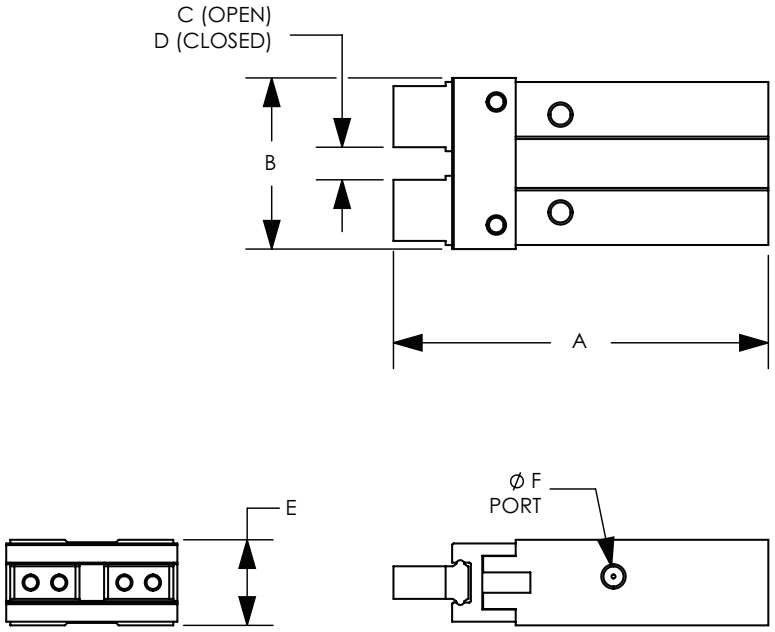
Fluid		Air (clean/dry)
Pressure Range	6mm, 10mm	50 to 101 psig (3.45 to 6.96 bar)
	16mm to 40mm	36 to 101 psig (2.48 to 6.96 bar)
Proof Pressure		175 psig
Temperature Range		-4°F to 160°F (0°C to 60°C)
Lubrication		Not required
Repeatability	6mm to 25mm	± 0.01 mm
	32mm to 40mm	± 0.02 mm
Max Frequency	6mm to 25mm	180 cycles/min
	32mm to 40mm	60 cycles/min
Port Size		M3 x 0.5 (6 to 10mm units) M5 x 0.8 (16 to 40mm units)
Sensor Switch Compatibility		Nitra CPS9H-xx-x or CPS9C-xx-x
Includes		Magnet
Approvals		None

Click the above icon or scan the QR code to be taken to www.automationdirect.com/selectors/pneumaticgripper for our online Gripper Configuration Tool for further selection assistance.

Pneumatic Gripper - Parallel (End Mount Grip)

Dimensions

mm [inches]



Pneumatic Gripper Dimensions						
Part #	***A***	***B***	***C***	***D***	***E***	***ØF***
KP06MSA-MB	46.0 [1.81]	21.0 [0.83]	4.0 [0.16]	1.5 [0.06]	10.5 [0.41]	M3 x 0.5
KP10MSA-MB	48.7 [1.92]	30.0 [1.18]	5.5 [0.22]	1.5 [0.06]	16.5 [0.65]	M3 x 0.5
KP16MSA-MB	58.3 [2.30]	39.0 [1.54]	7.5 [0.30]	1.5 [0.06]	23.5 [0.93]	M5 x 0.8
KP20MSA-MB	73.0 [2.87]	53.0 [2.09]	11.5 [0.45]	1.5 [0.06]	27.5 [1.08]	M5 x 0.8
KP25MSA-MB	88.1 [3.47]	71.0 [2.80]	16.0 [0.63]	2.0 [0.08]	33.5 [1.32]	M5 x 0.8
KP32MSA-MB	106.0 [4.17]	106.0 [4.17]	25.0 [0.98]	3.0 [0.12]	40.0 [1.57]	M5 x 0.8
KP40MSA-MB	133.0 [5.24]	132.0 [5.20]	33.0 [1.30]	3.0 [0.12]	48.0 [1.89]	M5 x 0.8

See our website www.AutomationDirect.com for complete Engineering drawings.

Pneumatic Gripper - Angular (Side Mount Grip)

Double Acting

KP06MD-M

NITRA Pneumatics grippers are an excellent choice for many automation applications. They are available in both parallel and angular travels in seven different body sizes. Grippers are either double acting, single acting normally closed or single acting normally open. Anodized aluminum bodies include
integral mounting slots for position switches.

Features

- Six sizes available (6 to 32mm bore)
- Double acting or single acting N.O.
- Anodized aluminum bodies
- Position switch ready with integral mounting slots

2 YEAR WARRANTY

NITRA Pneumatic Gripper - Angular - Double Acting

Part No.	Description	Style	Action	Size - Bore (mm)	Position	Grip	Body	Port(s)	Price	Weight (lbs)
KA06MD-M	NITRA pneumatic gripper	Angular	Double acting	6	30 degrees open, -10 degrees closed	Side mount grip	Anodized aluminum	M3 x 0.5	$130.00	0.1
KA10MD-M				10					$181.00	0.2
KA16MD-M				16				M5 x 0.8	$188.00	0.3
KA20MD-M				20					$227.00	0.5
KA25MD-M				25					$253.00	1.0
KA32MD-M				32					$279.00	1.9

NITRA Pneumatic Gripper Specifications

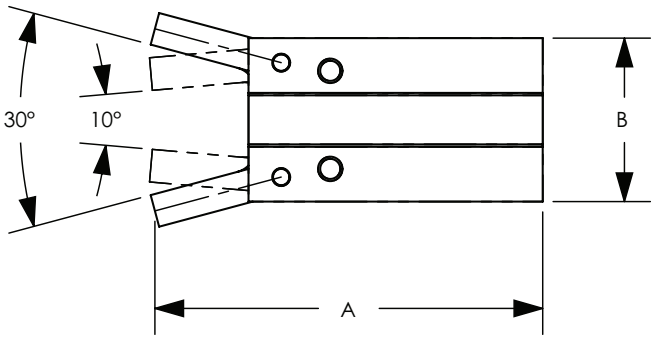
Fluid		Air (clean/dry)
Pressure Range		All double acting models: 22 to 101 psig (1.52 to 6.97 bar)
Proof Pressure		175 psig
Temperature Range		-4°F to 160°F (-20°C to 60°C)
Lubrication		Cylinder: not required - Jaws: grease regularly
Cushion Type		Bumper
Integrated Flow Control	6mm	N/A
	10mm to 32mm	Standard - flow control in closing direction
Maximum Frequency		180 cycles/min
Port Size		M3 x 0.5 (6mm to 10mm units) M5 x 0.8 (16mm to 32mm units)
Sensor Switch Compatibility		Nitra CPS9H-xx-x or CPS9C-xx-x
Includes		Magnet
Approvals		None

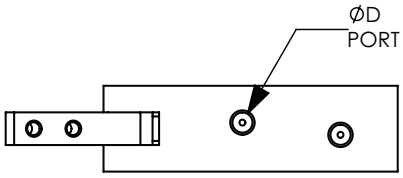
Click the above icon or scan the QR code to be taken to www.automationdirect.com/selectors/pneumaticgripper for our online Gripper Configuration Tool for further selection assistance.

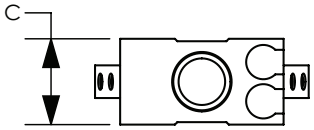
Pneumatic Gripper - Angular (Side Mount Grip)

Dimensions

mm [inches]







Pneumatic Gripper Dimensions				
Part #	***A***	***B***	***C***	***ØD***
KA06MD-M	47.5 [1.87]	20.0 [0.79]	10.5 [0.41]	M3 x 0.5
KA10MD-M	52.5 [2.07]	23.0 [0.91]	16.5 [0.65]	M3 x 0.5
KA16MD-M	62.5 [2.46]	30.5 [1.20]	23.5 [0.93]	M5 x 0.8
KA20MD-M	78.0 [3.07]	42.0 [1.65]	27.5 [1.08]	M5 x 0.8
KA25MD-M	92.0 [3.62]	52.0 [2.05]	33.5 [1.32]	M5 x 0.8
KA32MD-M	96.5 [3.80]	60.0 [2.36]	40.0 [1.57]	M5 x 0.8

See our website www.AutomationDirect.com for complete Engineering drawings.

Pneumatic Gripper - Angular (Side Mount Grip)

Single Acting - Normally Open

KP06MSA-M

NITRA Pneumatics grippers are an excellent choice for many automation applications. They are available in both parallel and angular travels in seven different body sizes. Grippers are either double acting, single acting normally closed or single acting normally open. Anodized aluminum bodies include integral mounting slots for position switches.

Features

- Six sizes available (6 to 32mm bore)
- Double acting or single acting N.O.
- Anodized aluminum bodies
- Position switch ready with integral mounting slots

NITRA Pneumatic Gripper - Angular - Normally Open

Part No.	Description	Style	Action	Size - Bore (mm)	Position	Grip	Body	Port(s)	Price	Weight (lbs)
KA06MSA-M	NITRA pneumatic gripper	Angular	Single acting, normally open	6	30 degrees open, -10 degrees closed	Side mount grip	Anodized aluminum	M3 x 0.5	$130.00	0.1
KA10MSA-M				10					$178.00	0.2
KA16MSA-M				16				M5 x 0.8	$188.00	0.3
KA20MSA-M				20					$227.00	0.5
KA25MSA-M				25					$253.00	1.0
KA32MSA-M				32					Retired	1.9

NITRA Pneumatic Gripper Specifications

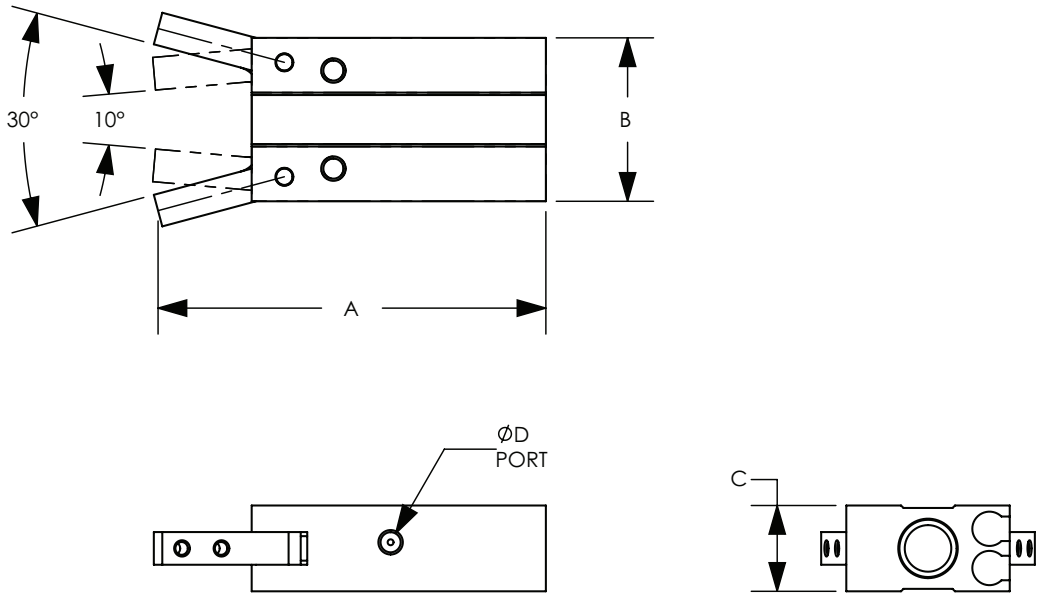
Fluid		Air (clean/dry)
Pressure Range	6mm	45 to 101 psig (3.10 to 6.97 bar)
	10mm to 32mm	36 to 101 psig (2.48 to 6.97 bar)
Proof Pressure		175 psig
Temperature Range		-4°F to 160°F (-20°C to 60°C)
Lubrication		Cylinder: not required - Jaws: grease regularly
Cushion Type		Bumper
Integrated Flow Control	6mm	N/A
	10mm to 32mm	Standard - flow control in closing direction
Maximum Frequency		180 cycles/min
Port Size		M3 x 0.5 (6mm to 10mm units) M5 x 0.8 (16mm to 32mm units)
Sensor Switch Compatibility		Nitra CPS9H-xx-x or CPS9C-xx-x
Includes		Magnet
Approvals		None

Click the above icon or scan the QR code to be taken to www.automationdirect.com/selectors/pneumaticgripper for our online Gripper Configuration Tool for further selection assistance.

Pneumatic Gripper - Angular (Side Mount Grip)

Dimensions

mm [inches]



Pneumatic Gripper Dimensions				
Part #	***A***	***B***	***C***	***ØD***
KA06MSA-M	47.5 [1.87]	20.0 [0.79]	10.5 [0.41]	M3 x 0.5
KA10MSA-M	52.5 [2.07]	23.0 [0.91]	16.5 [0.65]	M3 x 0.5
KA16MSA-M	62.5 [2.46]	30.5 [1.20]	23.5 [0.93]	M5 x 0.8
KA20MSA-M	78.0 [3.07]	42.0 [1.65]	27.5 [1.08]	M5 x 0.8
KA25MSA-M	92.0 [3.62]	52.0 [2.05]	33.5 [1.32]	M5 x 0.8
KA32MSA-M	96.5 [3.80]	60.0 [2.36]	40.0 [1.57]	M5 x 0.8

See our website www.AutomationDirect.com for complete Engineering drawings.