

# Pneumatic Rubber Air Grippers

## BLQ-E

BLQ-E is a rubber gripper featuring an inflatable rubber bladder construction that allows each model to manipulate a great number of shapes.

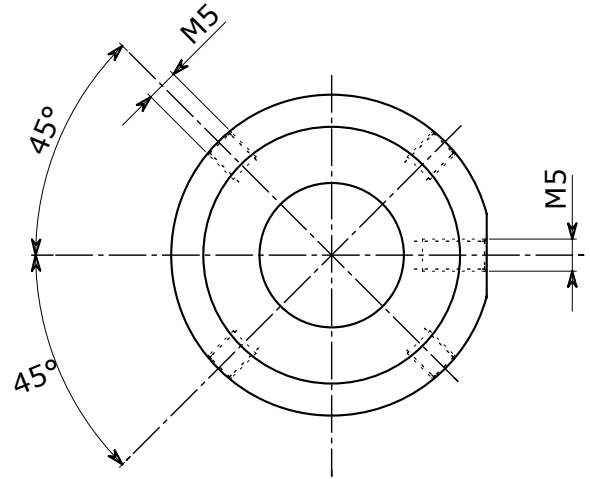
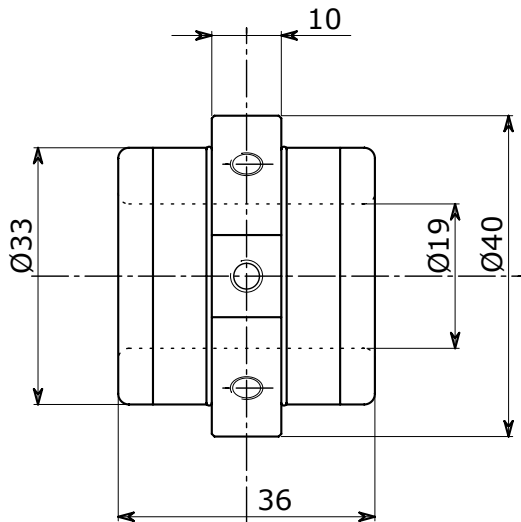
### Advantages

- Multiple part sizes handled with one gripper, due to its capability to grip around an object that is 40% of its deflated diameter.
- Delicate handling by controlling the amount of pressure within the bladder.
- Soft and secure touch even with heavy loads thanks to the distribution of the holding force over a large surface area.
- Non-marring contact due to the soft touch of rubber and air, especially suitable for glass and plastic objects.
- Wide size range, handling objects with outer diameter from 5 to 45mm.
- No lubrication required.
- Long life even in dusty environments due to lack of seals or bearings.



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## BLQ 5-15E



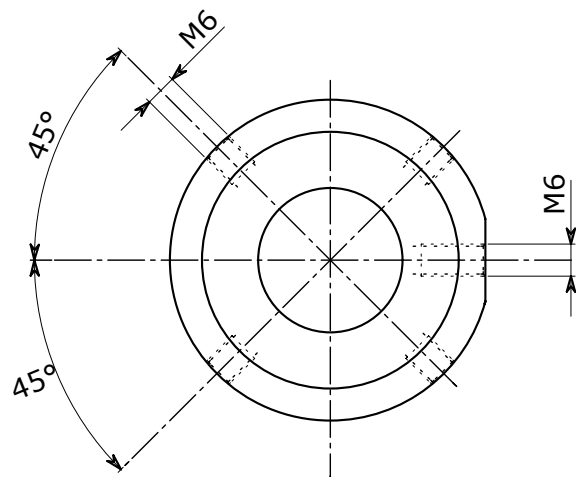
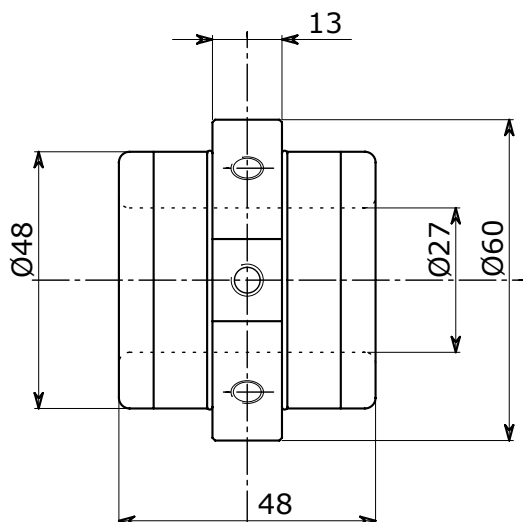
		BLQ 5-15 E		BLQ 5-15 ES	
Working diameter range	mm in	min 5.00 0.20	max 15.00 0.59	min 5.00 0.20	max 15.00 0.59
Rubber material		Neoprene		Silicone	
Rubber bladded length	mm in	38 1.50		38 1.50	
Deflated diameter	mm in	18 0.71		18 0.71	
Max restricted pressure	bar psi	1.5 20		1 15	
Max unrestricted pressure*	bar psi	0.75 10		0.75 10	
Load capability**	kg lb	2 - 5 4 - 11		1 - 4 3 - 8	
Weight	g oz	60 2		60 2	
Ambient temperature	°C °F	0 / 50 32 / 122		-30 / 160 -22 / 320	

\*Preconditioning: end effector must be inflated unrestricted at maximum recommended working pressure for max 30 cycles

\*\*Load capability is evaluated in the working diameter range at maximum allowed pressure

## Open/Close Diagram





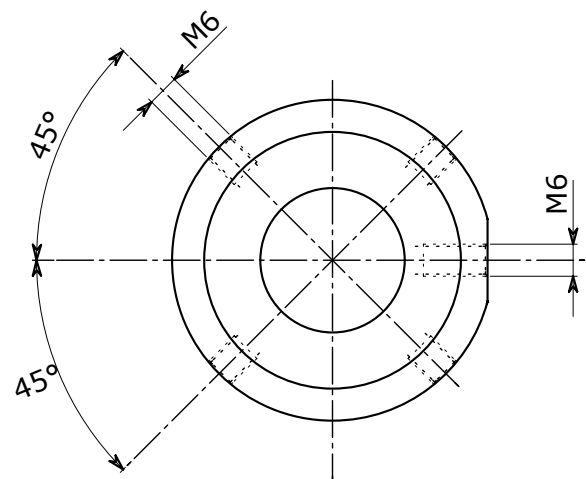
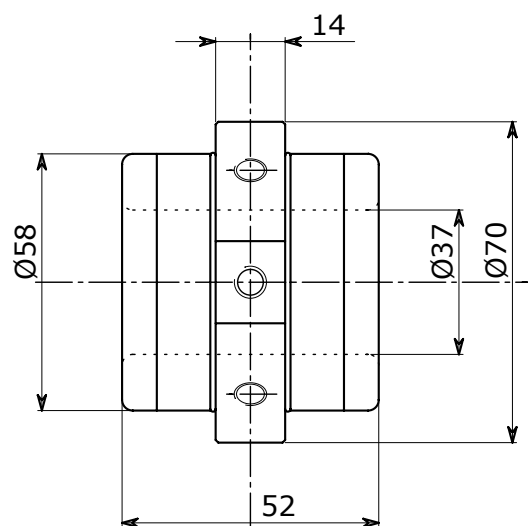
		BLQ 10-25 E		BLQ 10-25 ES	
Working diameter range	mm in	min 10.00 0.40	max 25.00 0.98	min 10.00 0.40	max 25.00 0.98
Rubber material		Neoprene		Silicone	
Rubber bladded length	mm in	51 2.01		51 2.01	
Deflated diameter	mm in	28 1.14		28 1.14	
Max restricted pressure	bar psi	1.5 20		1 15	
Max unrestricted pressure*	bar psi	0.75 10		0.75 10	
Load capability**	kg lb	4 - 12 9 - 27		3 - 9 7 - 20	
Weight	g oz	145 5		130 4.5	
Ambient temperature	°C °F	0 / 50 32 / 122		-30 / 160 -22 / 320	

\*Preconditioning: end effector must be inflated unrescticted at maximum recommended working pressure for max 30 cycles

\*\*Load capability is evaluated in the working diameter range at maximum allowed pressure

Open/Close Diagram





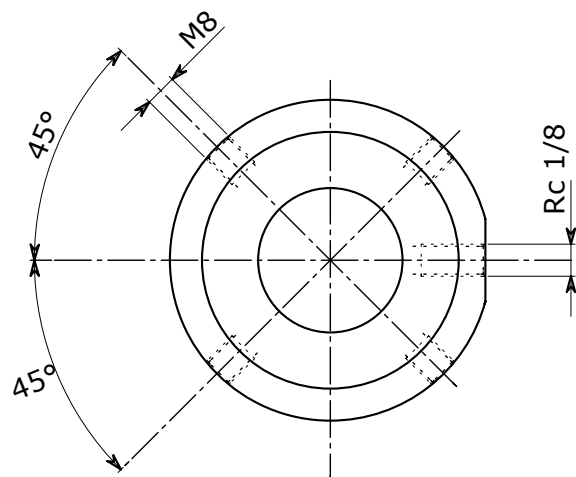
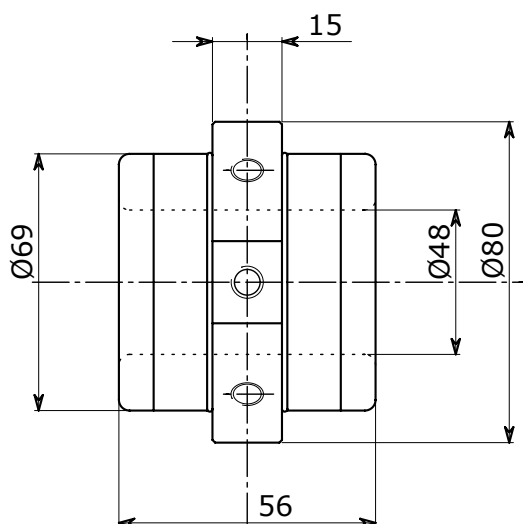
		BLQ 15-35 E		BLQ 15-35 ES	
Working diameter range	mm in	min 15.00 0.59	max 35.00 1.38	min 15.00 0.59	max 35.00 1.38
Rubber material		Neoprene		Silicone	
Rubber bladded length	mm in	53 2.09		53 2.09	
Deflated diameter	mm in	38 1.50		38 1.50	
Max restricted pressure	bar psi	1.5 20		1 15	
Max unrestricted pressure*	bar psi	0.75 10		0.75 10	
Load capability**	kg lb	9 - 16 20 - 36		7 - 12 15 - 27	
Weight	g oz	210 7.5		210 7.5	
Ambient temperature	°C °F	0 / 50 32 / 122		-30 / 160 -22 / 320	

\*Preconditioning: end effector must be inflated unrestricted at maximum recommended working pressure for max 30 cycles

\*\*Load capability is evaluated in the working diameter range at maximum allowed pressure

Open/Close Diagram





		BLQ 20-45 E		BLQ 20-45 ES	
Working diameter range	mm in	min 20.00 0.79	max 45.00 1.77	min 20.00 0.79	max 45.00 1.77
Rubber material		Neoprene		Silicone	
Rubber bladded length	mm in	56 2.20		56 2.20	
Deflated diameter	mm in	48 1.89		48 1.89	
Max restricted pressure	bar psi	1.5 20		1 15	
Max unrestricted pressure*	bar psi	0.75 10		0.75 10	
Load capability**	kg lb	9 - 23 20 - 50		7 - 17 15 - 38	
Weight	g oz	285 10		260 9	
Ambient temperature	°C °F	0 / 50 32 / 122		-30 / 160 -22 / 320	

\*Preconditioning: end effector must be inflated unrescticted at maximum recommended working pressure for max 30 cycles

\*\*Load capability is evaluated in the working diameter range at maximum allowed pressure

## Open/Close Diagram





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