

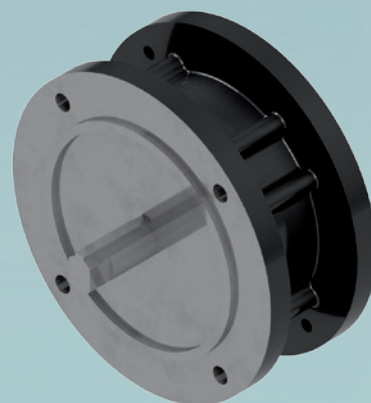
PNEUMATIC BRAKES



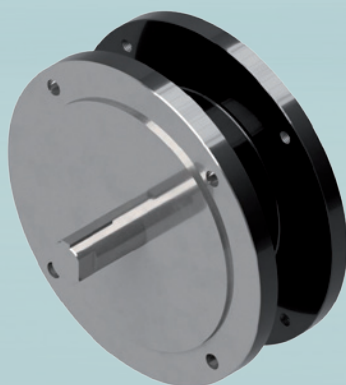
BN71



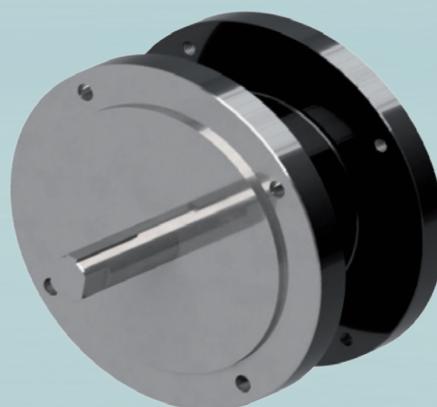
BN90



BN100



BN132



BN160



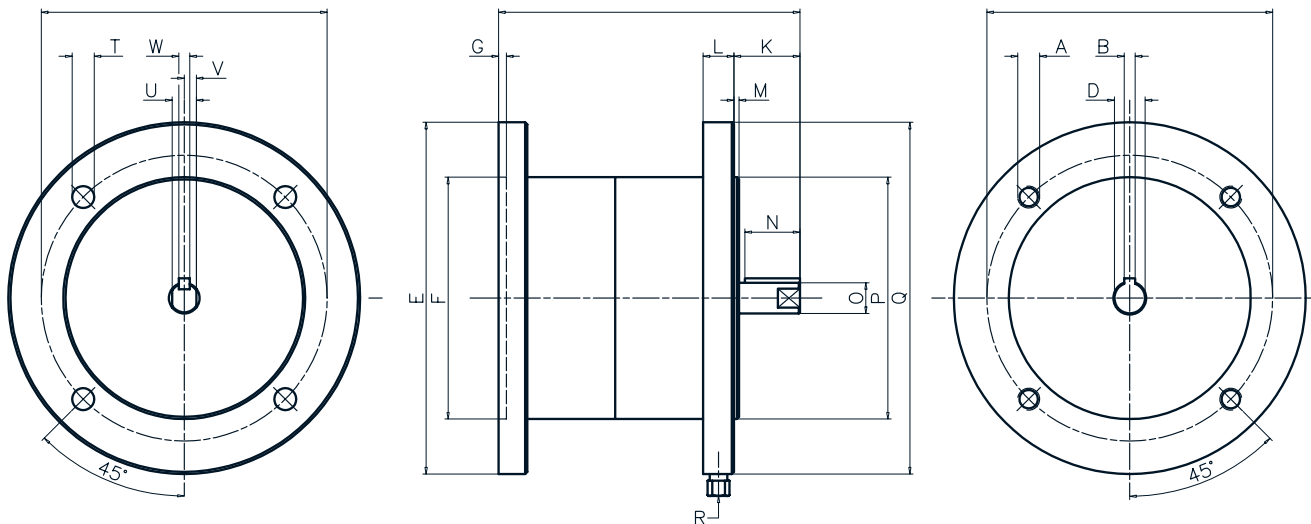


FRENI PNEUMATICI PER MOTORI A PALETTE

The BN SERIESs has normally closed safety brakes (the spring brakes them and the air releases them) and can be used as static brakes and in certain applications even in dynamic conditions. The braking module is easy to mate with the motors thanks to the standard IEC or NEMA connection flanges. The pneumatic brakes are certified in accordance with the European directive on products intended for use in potentially explosive atmospheres ATEX II cat.2 G & D T3 (in static applications).

These brakes include the following advantages:

- Can be used in dynamic applications.
- Practicality in the field
- Practical connection flanges
- In accordance with IEC and NEMA standards.
- Compact dimensions.
- Steel cases with excellent thermal capacity to be used in high environments temperature range.
- Long life over time.



MOD.	AØ	B	CØ	DØ	EØ	FØ	G	H	I	L	M	N	OØ	PØ	QØ	R	SØ	TØ	U	V	W
BN71	M10	5	130	14H7	160	110H7	3.5	137	30	44,6	2,3	25	14H7	110H7	160	1/8NPT	130	10	11	5,5	5
BN90	M10	8	165	24H7	200	130H7	5	195	50	13	3,5	45	24H7	130H7	200	1/4NPT	165	12	18	9	8
BN100	M10	8	215	28H7	250	180H7	5	163	60	19	4	5	28H7	180H7	250	1/4NPT	215	14	20,6	10,3	8
BN132	M14	10	265	38H7	300	230	4.5	185	80	22.5	4	51	38h7	230H7	300	1/8NPT	265	15	30.8	15.4	10
BN160	-	-	-	-	385	-	-	260	110	20	5	78	42k6	250H7	350	1/8NPT	300	19	-	-	12

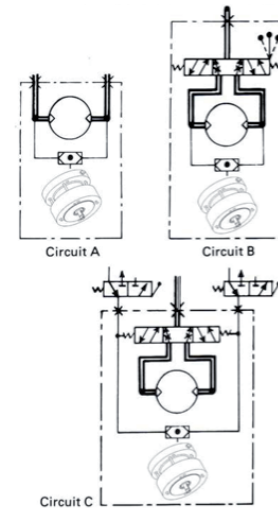
MODEL	FLANGE TYPE	SUPPORTABLE COUPLE	RELEASE PRESSURE
BN71	IEC 71 (B5)	14Nm	3,4 bar
BN90	IEC 90 (B5)	29Nm	3,4 bar
BN100	IEC 100 (B5)	75Nm	3,4 bar
BN132	IEC 132 (B5)	125Nm	3,4 bar
BN160	IEC 160 (B5)	600Nm	3,4 bar

The brake is released by pneumatic pressure. If the pneumatic pressure drops below a predefined air pressure, the brake is enabled.

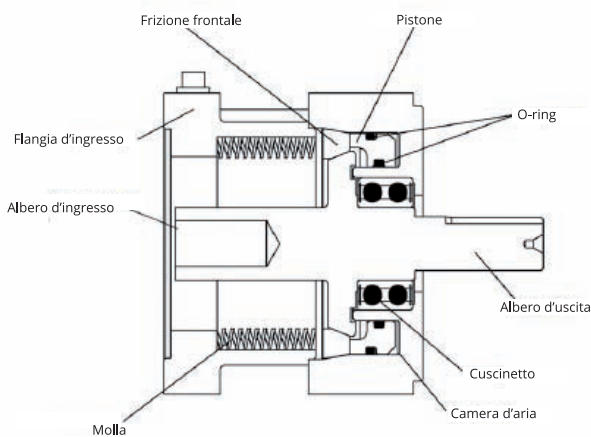
CIRCUIT (A): Installation without control valve.

CIRCUIT (B): Installation with manual control valve. The manual valve checks the rotation of the output shaft. This valve allows for brake operation in both rotation directions.

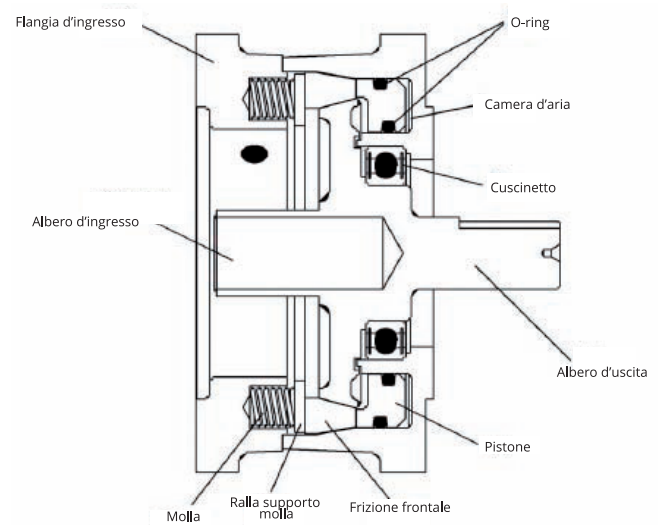
CIRCUIT (C): Installation with remote control valve. The remote valve allows for checking the output shaft rotation from a distance. This valve allows for brake operation in both rotation directions.



SECTIONAL BRAKE DRAWING



Sectional brake drawing BN71



Sectional brake drawing
BN90, BN100, BN132, BN160