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## Product Information on Multileaf Dampers with Pneumatic Actuator

PI/3/4/EN/2

### New in the product range – all types

– **Accessory double-acting rotation cylinder**  
Z60...Z71 and Z60 EX ... Z71 EX

– **Accessory single-acting rotation cylinder**  
Z72...Z77 and Z72 EX ... Z77 EX

**Multileaf damper with rotation cylinder Z66**



### Product range pneumatic actuators

Type resp. construction variant	Combination with ...	Damper position	Code	Types			
				JZ-A JZ-B JZD-B JNE-A JNE-B	JZ-L JNE-L	JZ-G	JZD-G
<b>Double-acting rotation cylinder</b>							
Double-acting rotation cylinder with supply and exhaust air throttle operating pressure 1.2–6.0 bar torque 35 Nm at 6 bar	–	–	Z60	x 1)	x 2)	x	x 3)
			Z60 EX	x 1)	x 2)	–	–
	Solenoid valve DC 24 V, degree of protection IP 65	power-off "CLOSED" or "OPEN"	Z61	x 1)	x 2)	x	x 3)
			Z61 EX	x 1)	x 2)	–	–
	Solenoid valve AC 230 V, 50/60 Hz, degree of protection IP 65	power-off "CLOSED" or "OPEN"	Z62	x 1)	x 2)	x	x 3)
			Z62 EX	x 1)	x 2)	–	–
	Limit switch indicates damper "CLOSED" and "OPEN"	–	Z63	x 1)	x 2)	x	x 3)
		Z63 EX	x 1)	x 2)	–	–	
Solenoid valve DC 24 V, degree of protection IP 65 and limit switch indicates damper "CLOSED" and "OPEN"	power-off "CLOSED" or "OPEN"	Z64	x 1)	x 2)	x	x 3)	
		Z64 EX	x 1)	x 2)	–	–	
Solenoid valve AC 230 V, 50/60 Hz, degree of protection IP 65 and limit switch indicates damper "CLOSED" and "OPEN"	power-off "CLOSED" or "OPEN"	Z65	x 1)	x 2)	x	x 3)	
		Z65 EX	x 1)	x 2)	–	–	
Double-acting rotation cylinder with supply and exhaust air throttle operating pressure 1.2–6.0 bar torque 70 Nm at 6 bar	–	–	Z66	x	x 2)	x	x
			Z66 EX	x	x 2)	–	–
	Solenoid valve DC 24 V, degree of protection IP 65	power-off "CLOSED" or "OPEN"	Z67	x	x 2)	x	x
			Z67 EX	x	x 2)	–	–
	Solenoid valve AC 230 V, 50/60 Hz, degree of protection IP 65	power-off "CLOSED" or "OPEN"	Z68	x	x 2)	x	x
			Z68 EX	x	x 2)	–	–
	Limit switch indicates damper "CLOSED" and "OPEN"	–	Z69	x	x 2)	x	x
		Z69 EX	x	x 2)	–	–	
Solenoid valve DC 24 V, degree of protection IP 65 and limit switch indicates damper "CLOSED" and "OPEN"	power-off "CLOSED" or "OPEN"	Z70	x	x 2)	x	x	
		Z70 EX	x	x 2)	–	–	
Solenoid valve AC 230 V, 50/60 Hz, degree of protection IP 65 and limit switch indicates damper "CLOSED" and "OPEN"	power-off "CLOSED" or "OPEN"	Z71	x	x 2)	x	x	
		Z71 EX	x	x 2)	–	–	

1) Only up to height H < 1665 mm at 1.2 bar operating pressure

2) Mode of drive depends on size (see table on page 2)

3) Only up to height H ≤ 550 mm at 1.2 bar operating pressure

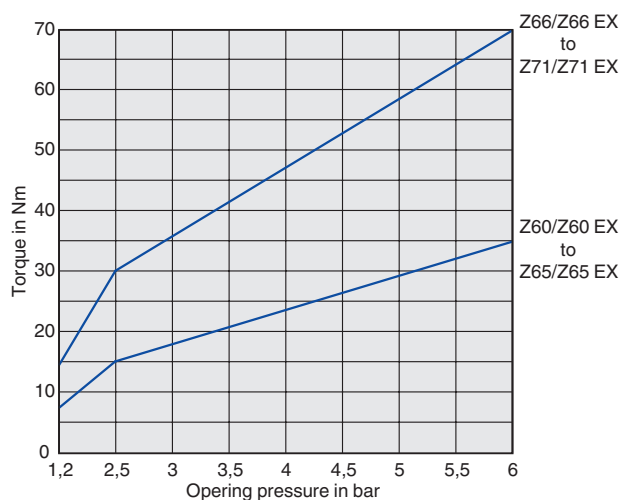
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Product range pneumatic actuators							
Type resp. construction variant	Combination with ...	Damper position	Code	Types			
				JZ-A JZ-B JZD-B JNE-A JNE-B	JZ-L JNE-L	JZ-G	JZD-G
<b>Single-acting rotation cylinder</b>							
Single-acting rotation cylinder with supply and exhaust air throttle operating pressure 6.0 bar air consumption / stroke approx. 2 litres	–	pressureless "CLOSED" or "OPEN"	Z72	x	x	x	x
	Solenoid valve DC 24 V, degree of protection IP 65	power-off and pressureless "CLOSED" or "OPEN"	Z72 EX	x	x	–	–
			Z73	x	x	x	x
	Solenoid valve AC 230 V, 50/60 Hz, degree of protection IP 65	power-off and pressureless "CLOSED" or "OPEN"	Z73 EX	x	x	–	–
			Z74	x	x	x	x
	Limit switch indicates damper "CLOSED" and "OPEN"	pressureless "CLOSED" or "OPEN"	Z74 EX	x	x	–	–
			Z75	x	x	x	x
Solenoid valve DC 24 V, degree of protection IP 65 and limit switch indicates damper "CLOSED" and "OPEN"	power-off and pressureless "CLOSED" or "OPEN"	Z75 EX	x	x	–	–	
		Z76	x	x	x	x	
Solenoid valve AC 230 V, 50/60 Hz, degree of protection IP 65 and limit switch indicates damper "CLOSED" and "OPEN"	power-off and pressureless "CLOSED" or "OPEN"	Z76 EX	x	x	–	–	
		Z77	x	x	x	x	
			Z77 EX	x	x	–	–

### Required torques types JZ-L and JNE-L

For types JZ-L and JNE-L, the relevant torque with admitted operating pressure must be used for the double-acting rotation cylinders with codes Z60 to Z71 resp. Z60 EX to Z71 EX.



Height in mm	Width in mm								
	400	600	800	1000	1200	1400	1600	1800	2000
345									
510		10 Nm							
675									
840									
1005			15 Nm						
1170									
1335									
1500									
1665							30 Nm		
1830	20 Nm								
1995									

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PI/3/4/EN/2

### Order Code Types JZ-A · JNE-A · JZ-B · JZD-B · JNE-B · JZ-L · JNE-L

**JZ – A – G – R / 1000x1005 / 22 / Z64 / CLOSED / P1 / RAL ...**  

1
2
3
4
5
6
7
8

**1 Type**

Multileaf Damper

**JZ-A**  
**JNE-A**  
**JZ-B**  
**JZD-B**  
**JNE-B**  
**JZ-L**  
**JNE-L**

**2 Construction variant**

no entry: basic version

**G** Casing both flanges drilled

**M** with brass bearings

**G-M** Casing both flanges drilled and with brass bearings

**E** with stainless steel bearings

**G-E** Casing both flanges drilled and with stainless steel bearings

**3 Drive side**

**R** right

**L** left

(if this is not specified then "R" is supplied)

**4 Nominal size [mm]**

B x H

**5 Masonry subframe**

**0** without

**22 to 28**

**6 Accessories**

**0** without

**Z04 to ZEX3**

**Z60 to Z77**

**Z60EX to Z77EX**

**7 Damper position**

**OPEN** pressureless/power-off open

**CLOSED** pressureless/power-off closed

(specification only required at single-acting rotation cylinder resp. double-acting rotation cylinder with solenoid valve)

**8 Surface**

no entry: basic version

**P1 / RAL ...** powder-coated, specify the RAL CLASSIC shade

Types JNE-... on request

### Order Code Types JZ-G · JZD-G

**JZ – G / 1000x1000 / 33 / Z64 / CLOSED / P1 / RAL ...**  

1
2
3
4
5
6

**1 Type**

Multileaf Damper

**JZ-G**  
**JZD-G**

**2 Nominal size [mm]**

B x H

**3 Masonry subframe**

**0** without

**33** with

**4 Accessories**

**0** without

**Z04 to Z51**

**Z60 to Z77**

**5 Damper position**

**OPEN** pressureless/power-off open

**CLOSED** pressureless/power-off closed

(specification only required at single-acting rotation cylinder resp. double-acting rotation cylinder with solenoid valve)

**6 Surface**

**P1 / RAL ...** powder-coated, specify the RAL CLASSIC shade

**S3** anodised to EURAS-standard E6-C-0

Further information see leaflet no. 3/1/EN/...

Prices see current price list.