

Type codes

DSNU-...

001	Series	
DSNU	Round cylinder, double-acting, based on ISO 6432	

002	Piston diameter	
8	8	
10	10	
12	12	
16	16	
20	20	
25	25	
32	32	
40	40	
50	50	
63	63	

003	Stroke	
...	1 ... 500	

004	Cushioning	
P	Elastic cushioning rings/plates on both sides	
PPS	Pneumatic cushioning, self-adjusting at both ends	
PPV	Pneumatic cushioning, adjustable at both ends	

005	Position sensing	
A	For proximity sensor	

006	Special material properties	
	None	
F1A	Recommended for production facilities for the manufacture of lithium-ion batteries (Cu<=1%, Zn<=1%, Ni<=1%)	

007	Cylinder end cap	
	Standard	
MA	Axial air connection, end cap	
MH	Direct mounting, bearing cap	
MQ	Transverse supply port, end cap	

008	Protection against rotation	
Q	Square piston rod	
	None	

009	Piston rod type	
	At one end	
S2	Through piston rod	

010	Piston rod thread extension	
	None	
...K2	1 ... 70 mm	

011	K6 - Shortened male piston rod thread	
	None	
K6	1 ... 10 mm	

012	Piston rod thread type	
	Male thread	
K3	Female thread	

013	Custom thread	
"M10"K5	M10	
"M12"K5	M12	
"M16"K5	M16	

014	Piston rod extension	
	None	
...K8	1 ... 500 mm	

015	Clamping unit	
	None	
KP	attached	

016	Temperature range	
	Standard	
S6	Heat-resistant seals max. 120 °C	

017	Constant motion	
	Standard	
S10	Uniform, slow movement	

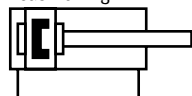
018	Corrosion protection	
	Standard	
R3	High corrosion protection	

019	Scraper variant	
	Standard	
R8	Dust protection	
A6	Metal scraper	

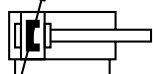
020	EU certification	
	None	
EX4	II 2GD	

Datasheet

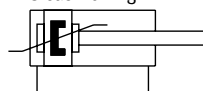
P cushioning



Adjustable pneumatic cushioning PPV



PPS cushioning



-  - Diameter
8 ... 25 mm
ISO 6432
-  - Diameter
32 ... 63 mm
-  - Stroke length
1 ... 500 mm,
longer strokes on request



General technical data										
Piston Ø	8	10	12	16	20	25	32	40	50	63
Conforms to standard	ISO 6432						–			
Pneumatic connection	M5	M5	M5	M5	G1/8	G1/8	G1/8	G1/4	G1/4	G3/8
Piston rod thread	M4	M4	M6	M6	M8	M10x1.25	M10x1.25	M12x1.25	M16x1.5	M16x1.5
Stroke ¹⁾ [mm]	1 ... 100		1 ... 200		1 ... 320		1 ... 500			
Design	Piston/piston rod/cylinder barrel									
Cushioning										
DSNU-...-P	Elastic cushioning rings/plates at both ends									
DSNU-...-PPV	–		Cushioning, adjustable at both ends							
DSNU-...-PPS	–			Cushioning, self-adjusting at both ends						
Cushioning length										
DSNU-...-PPV [mm]	–		9	12	15	17	14	18	20	21
DSNU-...-PPS [mm]	–			12	15	17	14	18	20	21
Position sensing	Via proximity switch									
Type of mounting	Direct mounting (variant MH only)									
	With accessories									
Mounting position	Any									

1) Cylinders with position sensing require a minimum stroke of 10 mm to ensure reliable sensing.
Longer strokes on request