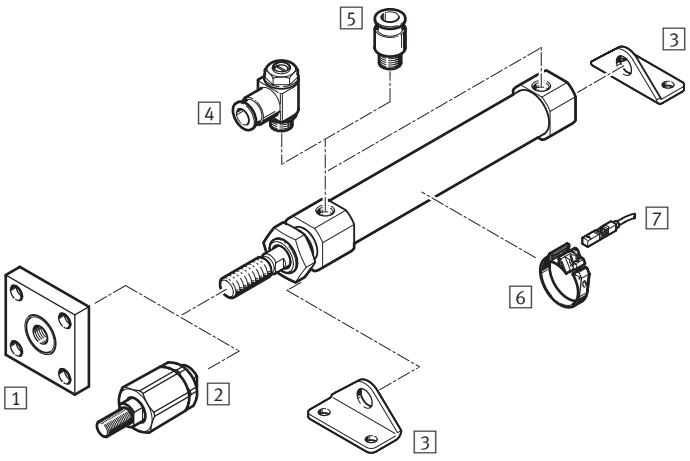
Quickly available
Round cylinder DSNU-S – Selected Products



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Order code – Basic design

001	002	003	004	005	006
DSNU	S				A

Legend: [ ] Mandatory entry

001	Type
DSNU	Round cylinder, double acting

002	Version
S	Space optimized

003	Piston Ø [mm]	004	Stroke [mm]
8	8	...	10, 15, 20, 25, 30, 40, 50, 60, 80, 100
12	12	...	10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 125, 150
16	16	...	10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 125, 150, 200
20	20	...	
25	25	...	

005	Cushioning
P	Elastic cushioning rings/plates at both ends
PPS	Pneumatic cushioning, self-adjusting at both ends

006	Position sensing
A	Via proximity sensor

Configurable product

This product and all its product options can be ordered online via the configurator:
→ **www.festo.com/catalogue/...**
Enter the part number or the type.

Part no.	Type	Part no.	Type
8112002	**DSNU-S-8...**	**8112005**	**DSNU-S-20-...**
8112003	**DSNU-S-12-...**	**8112006**	**DSNU-S-25-...**
8112004	**DSNU-S-16-...**		

Ordering – Basic design

004 Stroke [mm]	003 Piston Ø [mm]					003 Piston Ø [mm]		
	8	12	16	20	25	16	20	25
	005 Cushioning – 006 Position sensing					005 Cushioning – 006 Position sensing		
	P – A	P – A	P – A	P – A	P – A	PPS – A	PPS – A	PPS – A
10	★ **5205897**	★ **5211896**	★ **5216087**	★ **5224633**	★ **5228227**			
15	★ **5205898**	★ **5211897**	★ **5216088**	★ **5224634**	★ **5228228**			
20	★ **5205899**	★ **5211898**	★ **5216089**	★ **5224635**	★ **5228229**			
25	★ **5205900**	★ **5211899**	★ **5216090**	★ **5224636**	★ **5228230**	★ **5217238**	★ **5225836**	★ **5228452**
30	★ **5205902**	★ **5211900**	★ **5216091**	★ **5224637**	★ **5228231**	★ **5217239**	★ **5225837**	★ **5228453**
40	★ **5205903**	★ **5211901**	★ **5216093**	★ **5224639**	★ **5228232**	★ **5217240**	★ **5225838**	★ **5228454**
50	★ **5205904**	★ **5211903**	★ **5216094**	★ **5224641**	★ **5228233**	★ **5217241**	★ **5225839**	★ **5228455**
60	★ **5205905**	★ **5211904**	★ **5216095**	★ **5224642**	★ **5228234**	★ **5217242**	★ **5225840**	★ **5228456**
80	★ **5205906**	★ **5211905**	★ **5216096**	★ **5224643**	★ **5228235**	★ **5217243**	★ **5225841**	★ **5228457**
100	★ **5205907**	★ **5211906**	★ **5216098**	★ **5224644**	★ **5228236**	★ **5217244**	★ **5225842**	★ **5228458**
125		★ **5211908**	★ **5216099**	★ **5224645**	★ **5228237**	★ **5217245**	★ **5225843**	★ **5228459**
150		★ **5211909**	★ **5216100**	★ **5224646**	★ **5228238**	★ **5217246**	★ **5225844**	★ **5228460**
200			★ **5216101**	★ **5224647**	★ **5228239**	★ **5217248**	★ **5225846**	★ **5228461**

Ordering – Accessories

1 Coupling piece KSG

For piston Ø [mm]	Part no.	Type
25	32963	KSG-M10x1,25

2 Self-aligning rod coupler FK

For piston Ø [mm]	Part no.	Type
8	6528	FK-M4
12, 16	★ 2061	FK-M6
20	★ 2062	FK-M8
25	★ 6140	FK-M10x1,25

3 Foot mounting HBN-S[1)]

For piston Ø [mm]	Part no.	Type
8	★ 5407712	HBN-S-8x1
12, 16	★ 5407772	HBN-S-12/16x1
20, 25	★ 5407787	HBN-S-20/25x1
	★ 5407847	HBN-S-20/25x2

1) ...x1: . 1x foot; ...x2: 2x foot, 1x nut

4 One-way flow control valve GRLA

For piston Ø [mm]	Pneumatic connection	Tubing O.D. [mm]	Part no.	Type
Slotted head screw				
8, 12, 16	M5	3	★ 193137	GRLA-M5-QS-3-D
		4	★ 193138	GRLA-M5-QS-4-D
		6	★ 193139	GRLA-M5-QS-6-D
20, 25	G1/8	3	★ 193142	GRLA-1/8-QS-3-D
		4	★ 193143	GRLA-1/8-QS-4-D
		6	★ 193144	GRLA-1/8-QS-6-D
		8	★ 193145	GRLA-1/8-QS-8-D

5 Push-in fittings NPQE, straight shape

For piston Ø [mm]	Pneumatic connection	Tubing O.D. [mm]	Part no.	Type
Metric thread with sealing ring				
8, 12, 16	M5	3	8112908	NPQE-D-M5-Q3-P10
		4	8112909	NPQE-D-M5-Q4-P10
		6	8112910	NPQE-D-M5-Q6-P10
R thread				
20, 25	R1/8	4	8112913	NPQE-D-R18-Q4-P10
		6	8112914	NPQE-D-R18-Q6-P10
		8	8112915	NPQE-D-R18-Q8-P10
		10	8112916	NPQE-D-R18-Q10-P10
		12	8112917	NPQE-D-R18-Q12-P10

5 Push-in fittings NPQE, L-shape

For piston Ø [mm]	Pneumatic connection	Tubing O.D. [mm]	Part no.	Type
Metric thread with sealing ring				
8, 12, 16	M5	3	8112937	NPQE-L-M5-Q3-P10
		4	8112938	NPQE-L-M5-Q4-P10
		6	8112939	NPQE-L-M5-Q6-P10
R thread				
20, 25	R1/8	4	8112942	NPQE-L-R18-Q4-P10
		6	8112943	NPQE-L-R18-Q6-P10
		8	8112944	NPQE-L-R18-Q8-P10
		10	8112945	NPQE-L-R18-Q10-P10
		12	8112946	NPQE-L-R18-Q12-P10

6 Mounting kit SMBR-8

For piston Ø [mm]	Part no.	Type
8	175091	SMBR-8-8
12	★ 175093	SMBR-8-12
16	★ 175094	SMBR-8-16
20	★ 175095	SMBR-8-20
25	★ 175096	SMBR-8-25

7 Connecting cable NEBB

Cable length [m]	Connection right	Part no.	Type
Connection left: straight socket, M8x1, 3-pin			
2.5	Cable, open end, 3-wire	8066658	NEBB-M8G3-P-2.5-LE3
5		8066659	NEBB-M8G3-P-5-LE3
Connection left: straight socket, M12x1, 5-pin			
2.5	Cable, open end, 3-wire	8066670	NEBB-M12G5-P-2.5-LE3
5		8066671	NEBB-M12G5-P-5-LE3
Connection left: angled socket, M8x1, 3-pin			
2.5	Cable, open end, 3-wire	8066664	NEBB-M8W3-P-2.5-LE3
5		8066665	NEBB-M8W3-P-5-LE3

Ordering – Accessories

7 **Proximity sensors SMT-8M, for T-slot**

Measuring principle	Switching output	Electrical connection		Cable length [m]	Part no.	Type
		Cable	Cable with plug, rotatable thread			
N/O contact						
Magneto-resistive	PNP	–	3-pin, M8x1	0.3	★ 574334	SMT-8M-A-PS-24V-E-0,3-M8D
		3-wire	–	2.5	★ 574335	SMT-8M-A-PS-24V-E-2,5-OE
		3-wire	–	5	★ 574336	SMT-8M-A-PS-24V-E-5,0-OE
		–	3-pin, M12x1	0.3	★ 574337	SMT-8M-A-PS-24V-E-0,3-M12
	NPN	3-wire	–	2.5	★ 574338	SMT-8M-A-NS-24V-E-2,5-OE
		–	3-pin, M8x1	0.3	★ 574339	SMT-8M-A-NS-24V-E-0,3-M8D
N/C contact						
Magneto-resistive	PNP	3-wire	–	7.5	★ 574340	SMT-8M-A-PO-24V-E-7,5-OE

7 **Proximity sensors SDBT-MSX, for T-slot, auto teach-in function**

Measuring principle	Switching output	Electrical connection		Cable length [m]	Part no.	Type
		Cable	Cable with plug			
N/O default						
Magneto-resistive	PNP	–	3-pin, M8x1	0.3	8059123	SDBT-MSX-1L-PU-E-0.3-N-M8
		3-wire	–	2.5	8059124	SDBT-MSX-1L-PU-E-2.5-N-LE
		3-wire	–	5	8059125	SDBT-MSX-1L-PU-E-5-N-LE
	NPN	–	3-pin, M8x1	0.3	8059120	SDBT-MSX-1L-NU-E-0.3-N-M8
		3-wire	–	2.5	8059121	SDBT-MSX-1L-NU-E-2.5-N-LE
		3-wire	–	5	8059122	SDBT-MSX-1L-NU-E-5-N-LE

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