



CLEANSHUT **CLEVER INSTALLATION**

Reliable sealing effect and easy to install: patented wall and ceiling feedthroughs especially designed for clean rooms.

FOR WALL AND CEILING FEED-THROUGHS IN CLEAN ROOMS: CLEANSHUT – SIMPLY CLEVER.

Optimal protection against contamination in wall openings.

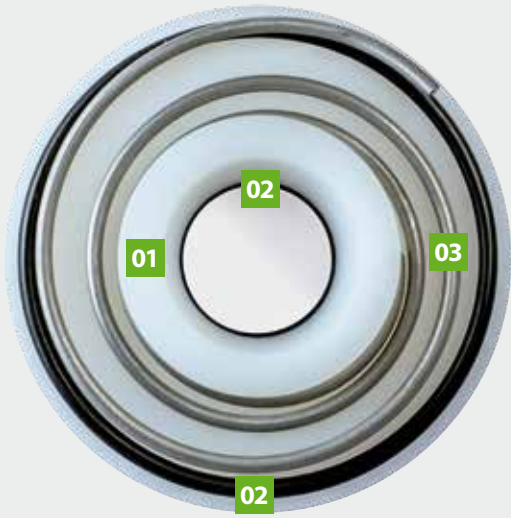
CleanShut is used to make wall and ceiling feedthroughs in clean rooms. Clean room walls are structured into several layers. They consist of two outer sheets of metal, which are lined with a filling material. CleanShut reaches behind the metal sheet with its spring and presses the housing close to the wall.



Two seals close the feedthrough according to clean-room standards: the first seal is located on the back of the CleanShut system and provides a seal between the housing and the clean room wall. The second seal is located in the inner passage of the feedthrough and seals it off. This design thus makes using additional sealants unnecessary.

CleanShut – advantages and benefits at a glance:

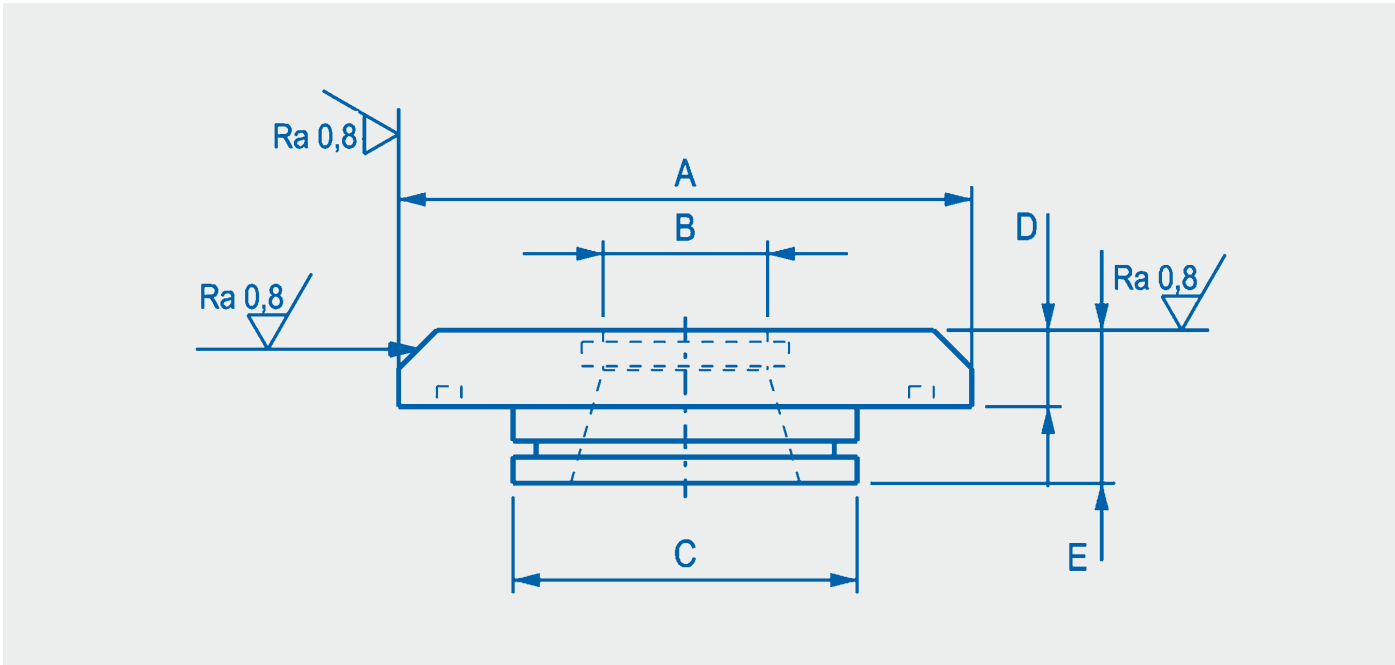
- simple and quick installation
- installation from just one side possible
- comparatively low installation costs
- the protruding collar seals the drilled hole reliably
- assembly without screws – minimizes the risk of damage to the cleanroom wall
- the protruding collar provides additional flexibility during installation
- sterilizability of the pipe installation due to high heat resistance
- stabilizability of the feedthrough provided
- easy to clean due to GMP-compliant design (outer Ra ≤ 0.8 µm)

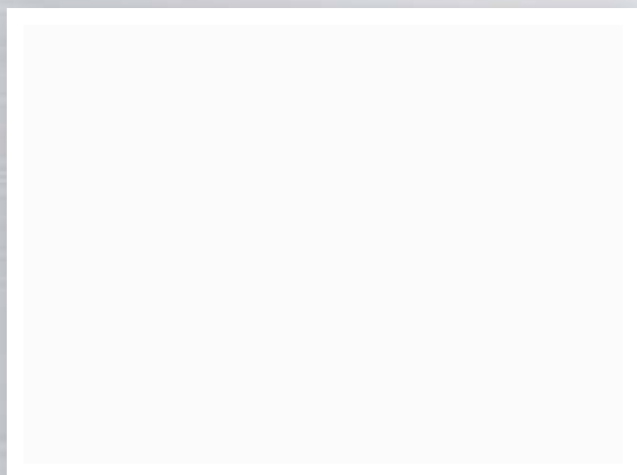


Components	Materials
01 Basic Body	PVDF
02 O-rings	EPDM
03 Spring	1.4310

CleanShut – dimensions:

Metrisch [mm]						ISO [mm]						Imperial [mm]					
Ø Tube	Ø A	Ø B	Ø C	D	E	Ø Tube	Ø A	Ø B	Ø C	D	E	Ø Tube	Ø A	Ø B	Ø C	D	E
12,00	64,00	12,20	34,00	10,00	18,00	13,50	64,00	13,70	34,00	10,00	18,00	12,70	64,00	12,90	34,00	10,00	18,00
19,00	75,00	19,20	45,00	10,00	18,00	21,30	75,00	21,50	45,00	10,00	18,00	19,05	75,00	19,25	45,00	10,00	18,00
23,00	75,00	19,20	45,00	10,00	18,00	26,90	75,00	27,10	45,00	10,00	18,00	25,40	75,00	25,60	45,00	10,00	18,00
29,00	87,00	29,20	57,00	10,00	18,00	33,70	87,00	33,90	57,00	10,00	18,00	38,10	105,00	38,30	75,00	10,00	20,00
35,00	87,00	35,20	57,00	10,00	18,00	42,40	105,00	42,60	75,00	10,00	20,00	50,80	105,00	51,00	75,00	10,00	20,00
41,00	105,00	41,20	75,00	10,00	20,00	48,30	105,00	48,50	75,00	10,00	20,00	63,50	138,00	63,70	108,00	10,00	22,00
53,00	105,00	53,20	75,00	10,00	20,00	60,30	138,00	60,50	108,00	10,00	22,00	76,20	138,00	76,40	108,00	10,00	22,00
70,00	138,00	70,20	108,00	10,00	22,00	76,10	138,00	76,30	108,00	10,00	22,00	101,60	149,00	101,80	127,00	10,00	22,00
85,00	138,00	85,20	108,00	10,00	22,00	88,90	149,00	89,10	127,00	10,00	22,00						
104,00	149,00	104,20	127,00	10,00	22,00												





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