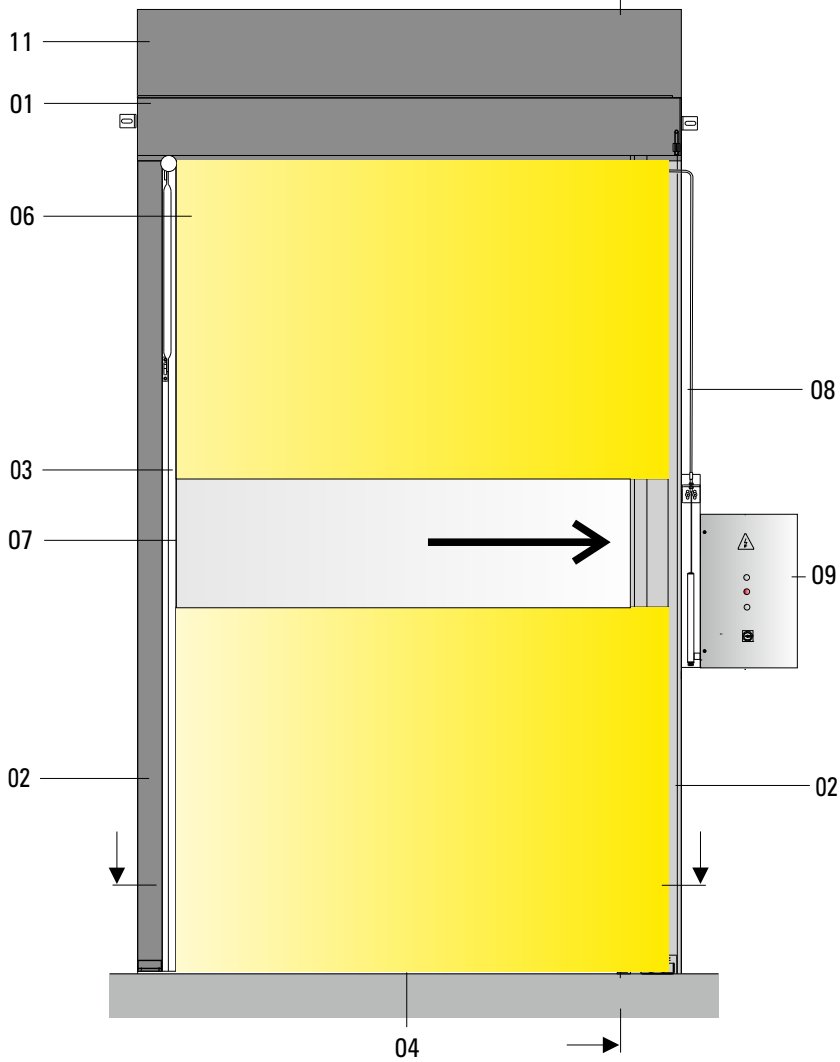
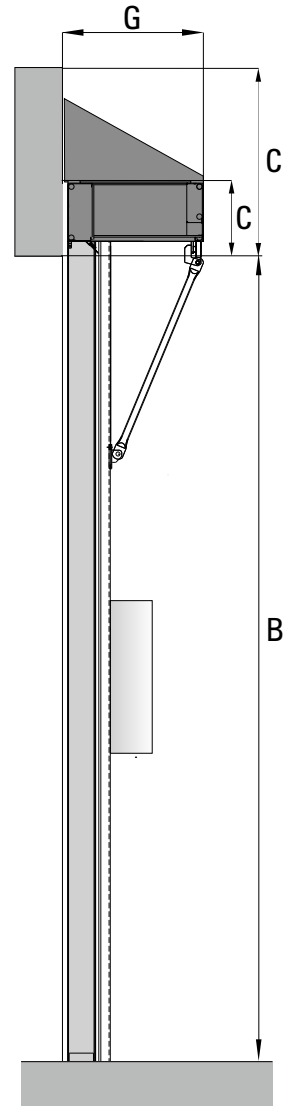


## Technical Data High-Speed Door NOVOSPRINT® Mono Hygiene

Single-skinned door drive unit right (DIN right)

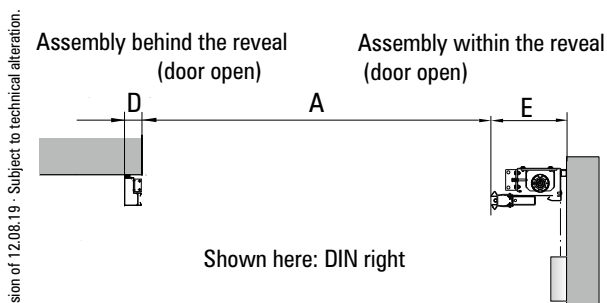


Vertical section



Assembly with wall connection profile

Horizontal section

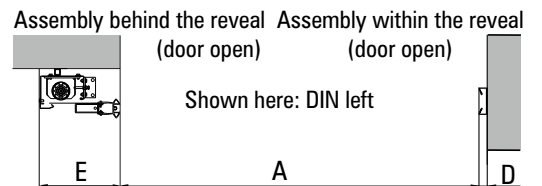


Shown here: DIN right

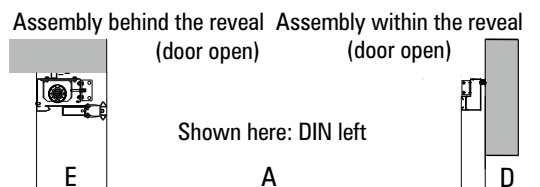
Schematic illustration

For more details please consult the dimensional drawings

5416.4470 D - Version of 12.08.19 - Subject to technical alteration.



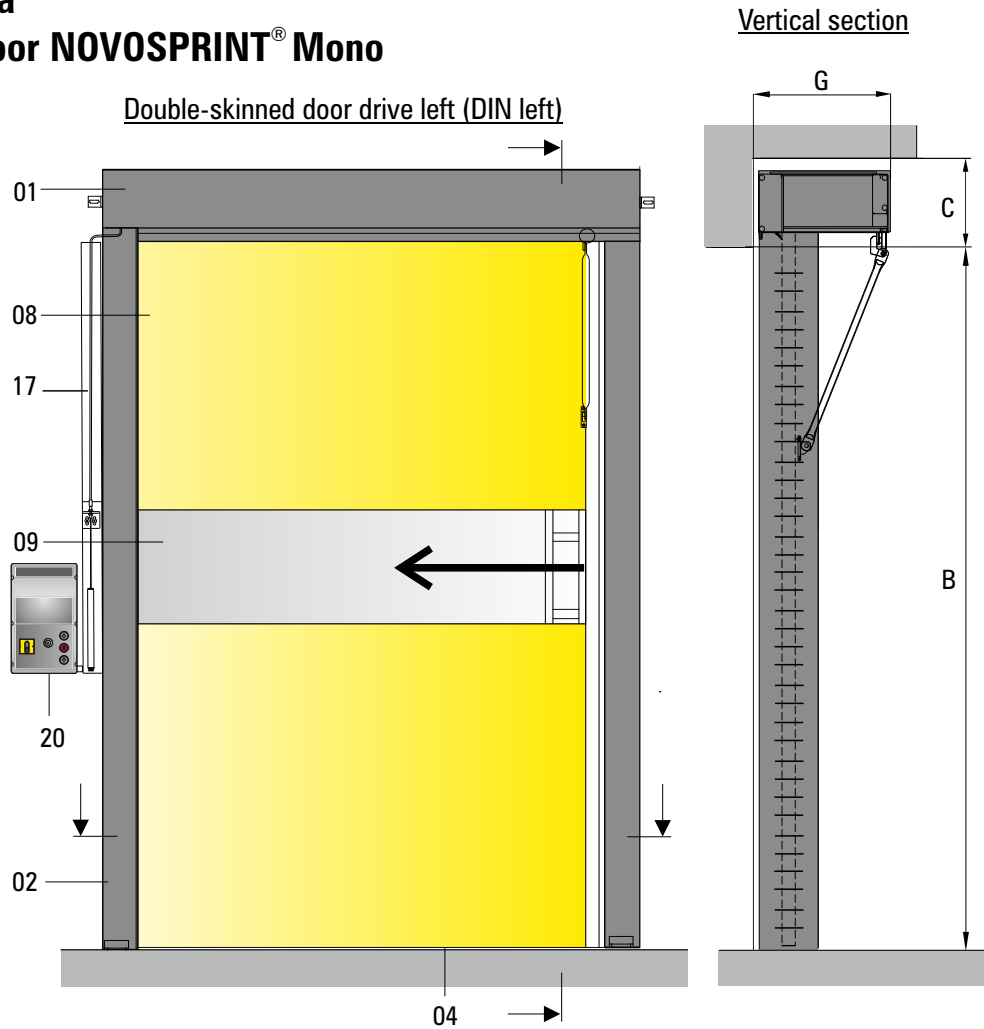
Assembly at the jamb housing



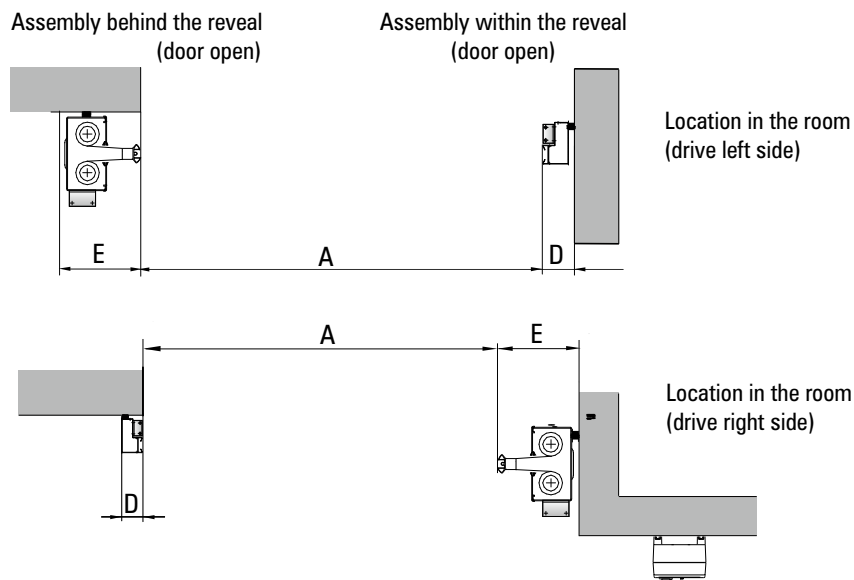
Shown here: DIN left

Dim./ Pos.	Technical Data NOVOSPRINT®	incl. Hygiene Option	Mono
Technical state July 2019			single-skinned
	<b>Use*</b>	Interior door / exterior door (only admissible when installed together with an external door)	■ / --
	<b>Opening speed [m/s]*</b>	Standard / optional ultraspeed, up to:	1.75 / 2.5
	<b>Closing speed [m/s]*</b>	Standard, up to:	0.75
	<b>Opening cycles /operating time*</b>	Total number of door cycles annually, typically up to:	350 000
	Cycle: Opening and Closing = two load alternations	Maintenance interval, after max. number of door cycles or intervals respectively	125 000 or respectively 1 year
		No. of cycles, average [ 1 / hour ]	60
		Increased no. of cycles for max. 1 hour [ 1 / hour ]	120
		Increased no. of cycles for max. 15 minutes [ 1 / min ]	6
	<b>Warranty on springs*</b>	Generally for up to ..... Cycles for max. 2 years	500 000
A	<b>Clear opening width [mm]</b>	C/o width min. / max. standard skin (PVC), Values in bracket upon request C/o width min. / max. for skin (PVC), antistatic or foodsafe door skin	900 / 2500 900 / 2150
B	<b>Clear opening height [mm]</b>	C/o height min. / max. Values given in brackets upon request	1700 / 3500
C	<b>Space requirement, top (lintel) [mm]*</b>	Head section area standard / incl. optional hood ( 30° )	330 / 650
D	<b>Space requirement, lateral (non-drive side) [mm]*</b>	Minimum (wall-mounted control system)	35 / 135
E	<b>Space requirement, lateral (drive-unit side) [mm]*</b>	Minimum (wall-mounted control system)	350 / 425
F	<b>Space requirement, lateral (drive-unit side) [mm]* for integrated ground closure</b>	Minimum (wall-mounted control system)	410 / 485
G	<b>Required space, total depth [mm]*</b>	Without additional equipment	420
	<b>Wind load [km/h] / Beaufort-class* (Beaufort-Description)</b>	No performance defined, reference value acc. to DIN EN 12424 for double-skinned doors	--
	<b>Luftdurchlässigkeit</b>	No performance defined, reference value acc. to DIN EN 12426	class 0
	<b>Resistance to water penetration</b>	No performance defined, reference value acc. to DIN EN 12425	class 0
	<b>Airborne noise insulation Rw (C;Ctr) [dB]</b>	According to DIN EN ISO 717-1**	--
	<b>Operating forces / Safe opening</b>	According to EN 13241-1**	fulfilled
	<b>Thermal insulation value Ud * [W/m²K] of the door</b>	No performance defined, reference value according to DIN EN 12428 [W/m²K]	5.9
01	<b>Horizontal head section to accommodate the drive technology</b>	Sheet steel design stainless steel (X5CrNi18-10) vision area polished Drive unit made of steel, primed with epoxy resin and RAL 7035 colour coated; low-maintenance toothed belt drive	■ ■
02	<b>Vertical jamb housing to accommodate the winding mechanism of the door skin</b>	Edge profiles and metal covers made of stainless steel (X5CrNi18-10) vision area polished Jamb cover made of 7035 RAL colour coated aluminium with mit PVC-skin strips Roll shaft anodised and epoxy resin primed Bearing plates and ball bearings made of stainless steel	■ ■ ( drive-unit side ) ■ ( drive-unit side ) ■ ( drive-unit side )
03	<b>Vertical carrier to accommodate the safety edge control</b>	Steel pipe design made of stainless steel (X5CrNi18-10) blanc with fixed steel struts, RAL 7035 colour coated	■
04	<b>Ground closure</b>	Lowering the leaves when closed (please consider the installation width)	--
05	<b>Drive unit</b>	Worm gear motor with double brake (incl. emergency handle - normally closed) Worm gear motor with double brake (without emergency handle - currentless opening) Splash-pool drive motor, two-layer protective coating Electric motor incl. frequency converter - driving power [kW]	■ □ ■ 0.75 kW
06	<b>Door skin</b>	PVC-coated polyester fabric on both sides yellow colour, similar RAL 1003 Printed door-skin according to digital motif file (e.g. jpg) On both sides PVC-coated polyester fabric in special colour PVC-free design (similar to RAL 1003) Food safe TPU-coating, comparable with FDA (similar to RAL 1003) Antistatic design (similar to RAL 1003) Flame retardant design (Building material grade DIN 4102 - B1)	■ upon request □ □ □ □ □
07	<b>Vision element</b>	Horizontal vision element made of PVC height 520mm ( from 1480mm to 2000mm ) Horizontal vision element made of PVC in special heights up to 1000mm (also available with or without multiple vision fields)	■ □
08	<b>Emergency opening</b>	Via Bowden cable - automatic opening (Note: Upon request the door may be pushed completely open manually.) Opens automatically when currentless (Note: Upon request, the door may be pushed completely open manually.) Suitable for use in escape routes and rescue paths, in accordance with DGUV 208/044, Only valid for Germany: An approval in accordance with the provincial law may be required in specific cases. c/o width > 1600	■ □ --
09	<b>Control system</b>	BDC E800 F - frequency converter control for a soft start-up and a higher opening speed located in stainless steel housing (w 400 x h 600 x d 200), power supply 230V / 50Hz (L1,N,PE), pre-fuse 16A C-characteristic, residual current-operated circuit breaker type B only Stainless steel housing optionally in special »Hygienic Design« (approx. w 390 x h 770 x d 210 mm); Schutzart IP69k (nach DIN 40050-9)	■ □
10	<b>Safety</b>	Optoelectronic safety edge control, integrated inside the door leaf, power supply via energy chain. External photo eye External light curtain Crash protection (stay bar with unlatch mechanism) Laser sensor	■ □ □ □ □
11	<b>Options</b>	Hood for head section, stainless steel (X5CrNi18-10), visible side is polished, hood slanted approx. 30°	□
12		Pulse transmitter: Mushroom button / radar-sensor/ pull switch / radio control	□
13		Pulse transmitter: Infrared light sensor / radar motion sensor / induction loop detectors	□
14		Airlock control systems	□
		* Depending on door size and equipment ** Test certificate and test report are available respectively *** guide value, the value may differ i.e. may be much higher or lower in dependance of the operating conditions	■ standard □ available -- not available / not defined

**Technical Data**  
**High-speed door NOVOSPRINT® Mono**



Horizontal section



Schematic illustration  
For more details please consult the dimensional drawings

Dim./ Pos.	Technical Data NOVOSPRINT® High-Speed Doors		Mono	
	Technical state in July 2019		single-skinned	double-skinned
	Use*	Interior door / exterior door (only admissible when installed together with an external door)	■ / -	■ / □
	Opening speed [m/s]*	Standard / optional ultraspeed, depending on the size up to:	1.75 / 2.5	1.75
	Closing speed [m/s]*	Standard / optional light curtain included, up to:	0.75 / 1.25	
	Opening cycles / operating time* Cycle: Opening and Closing = two load alternations	Total number of door cycles annually, typically up to:	350 000	350 000
		Maintenance interval, after max. number of door cycles or intervals respectively	125.000 or respectively 1 year	125.000 or respectively 1 year
		No. of cycles, average [ 1 /hour ]	60	60
		Increased no. of cycles for max. 1 hour [ 1 / hour ]	120	120
	Warranty on springs*	Increased no. of cycles for max. 15 minutes [ 1 / min ]	6	6
		Generally for up to ..... cycles for max. 2 years	500 000	
A	Clear opening width [mm]	C/o width min. / max. standard skin (PVC), Values given in brackets upon request	900 / 2500	
		width min. / max. for PVC-free, antistatic or food-safe door skin	900 / 2150	
B	Clear opening height [mm]	C/o height min. / max. Values given in brackets upon request	1700 / 3500	
C	Space requirement, top (lintel) [mm]*	Head section area / Syncro XL with suspension (c/o width>6850)	330	
D	Space requirement, lateral (non-drive side) [mm]*	Minimum (wall-mounted control system)	35 / 135	
E	Space requirement, lateral (drive-unit side) [mm]*	Minimum (wall-mounted control system)	350 / 425	
F	Space requirement, lateral (drive-unit side) [mm]* for integrated ground closure	Minimum (wall-mounted control system)	410 / 485	--
G	Required space, total depth [mm]*	Without additional equipment	420	
	Wind load [km/h] / Beaufort-class* (Beaufort-Description)	No performance defined, reference value acc. to DIN EN 12424 for double-skinned doors	--	50 - 100 / 6 - 10
	Luftdurchlässigkeit	No performance defined, reference value acc. to DIN EN 12426	class 0	
	Resistance to water penetration	No performance defined, reference value acc. to DIN EN 12425	class 0	
	Airborne noise insulation Rw (C;Ctr) [dB]	Accord. to DIN EN ISO 717-1**	--	7
	Operating forces / Safe opening	Accord. to EN 13241-1**	fulfilled	
	Thermal insulation value Ud *	No performance defined, reference value acc. to DIN EN 12428 [W/m²K]	5.9	4.9
01	Door frame	Top : head section, horizontal made of sheet steel, powder-coated in black acc. to RAL 9005	■	
02		lateral : vertical jamb housing made of sheet steel, powder-coated in black acc. to RAL 9005	■	
03		Door-skin carrier powder-coated in black acc. to RAL 9005	■	
04	Ground closure	Lowering the door leaf when closed (be aware of enlarged door widths)	□	□
05	Drive unit	Worm gear motor with double brake (incl. emergency handle - normally closed)	■	
06		Worm gear motor with double brake (without emergency handle - currentless opening)	□	
07		Electric motor incl. frequency converter - driving power [kW]	0.75 kW	
08	Door skin*	PVC-coated polyester fabric on both sides yellow colour, similar RAL 1003	■	
09		Horizontal vision element made of PVC height 520mm ( from 1480mm to 2000mm )	■	
10		Horizontal vision element made of PVC in special heights up to 1000mm (also available with or without multiple vision fields)	□	
11		Printed door-skin according to digital motif file (e.g. jpg)	upon request	
12		On both sides PVC-coated polyester fabric in special colour	□	
13		PVC-free design (similar to RAL 1003)	□	
14		Food safe TPU-coating, comparable with FDA (similar to RAL 1003)	□	
15		Antistatic design (similar to RAL 1003)	□	
16		Flame retardant design (Building material grade DIN 4102 - B1)	□	
17	Emergency opening	Via Bowden cable - automatic opening (Note: Upon request the door may be pushed completely open manually.)	■	
18		Opens automatically when currentless (Note: Upon request, the door may be pushed completely open manually.)	□	
19	Escape routes and rescue paths	Suitable for use in escape routes and rescue paths, in accordance with DGUV 208/044, (Only valid for Germany: An approval in accordance with the provincial law may be required in specific cases.) <b>Max. door height 3.5m</b> , larger heights upon request	--	□
20	Control system	BDC E800 F - frequency converter control for a soft start-up and a higher opening speed, power supply 230V / 50Hz (L1,N,PE), pre-fuse 16A C-characteristic, residual current-operated circuit breaker type B only	■	
21		4 kW frequency converter, power supply 400V / 50Hz (3,N,PE), 16 A pre-fuse C-characteristics, residual current-operated circuit breaker type B only	--	
22	Safety	Optoelectronic safety edge control integrated in the door leaf, power supply via energy chain or trailing cable ( Novo syncro XL incl. radio transmission )	■	
23		Optoelectronic light curtain integrated in the door leaf, power supply via energy chain or trailing cable	□	
24		External photo eye	□	
25		Externes light curtain	□	
26		Crash protection (stay bar with unlatch mechanism)	□	
27		Laser sensor	□	
28	Options	Pulse transmitter: Mushroom button / radar-sensor/ pull switch / radio control	□	
29		Pulse transmitter: Infrared light sensor / radar motion sensor / induction loop detectors	□	
30		Airlock control systems	□	
40		Combination with Spacelite stacking doors	□	

\* Depending on door size and equipment  
\*\* Test certificate and test report are available respectively  
\*\*\* guide value, the value may differ i.e. may be much higher or lower in dependance of the operating conditions

■ standard  
□ available  
-- not available / not defined