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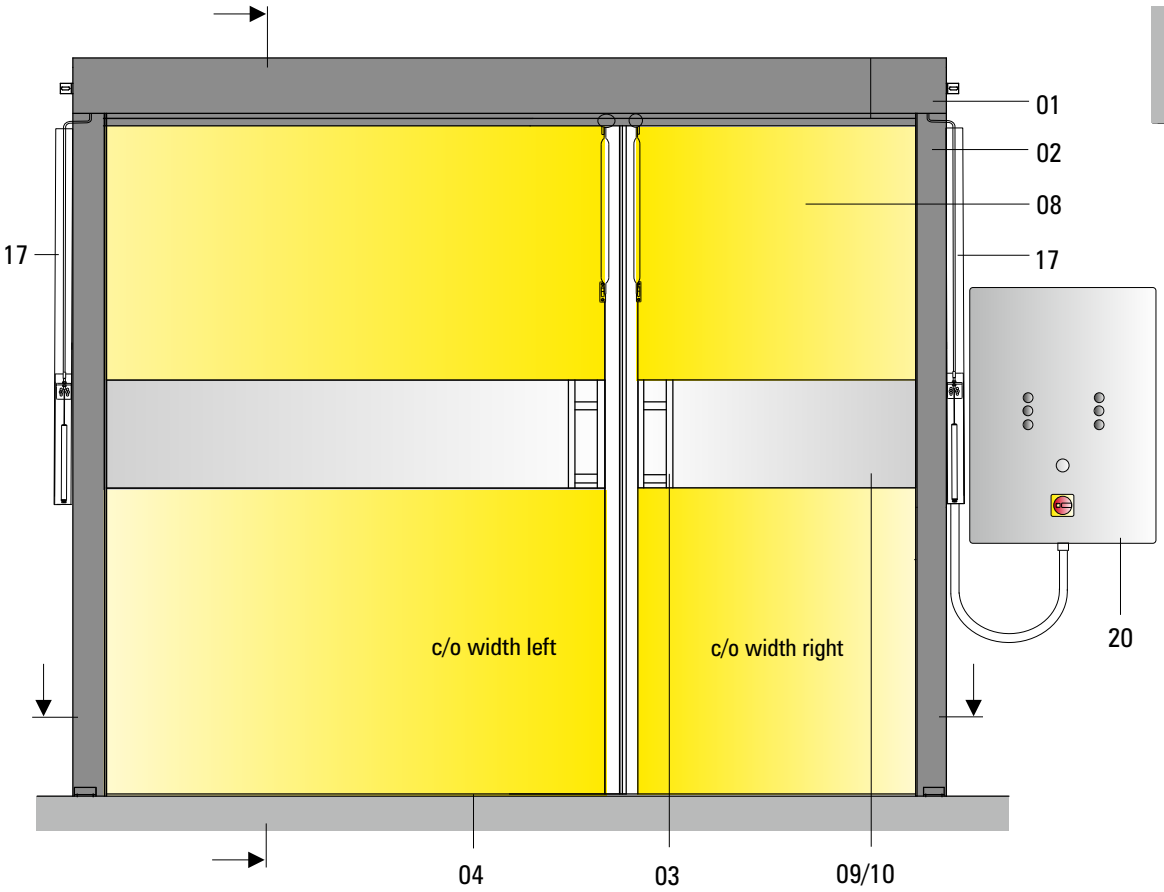
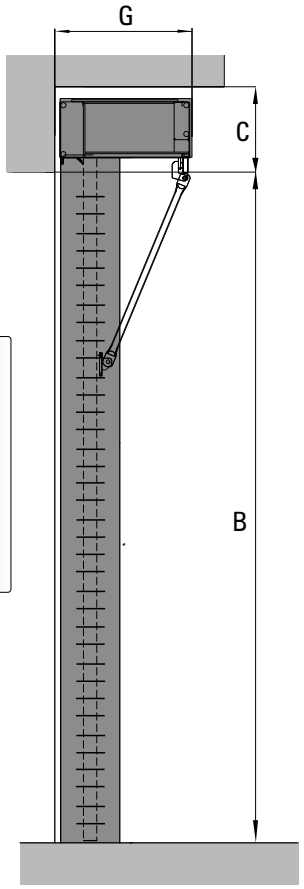
BUTZBACH
THE DOOR COMPANY.

Technical Data
High-Speed Door NOVOSPRINT® Duo

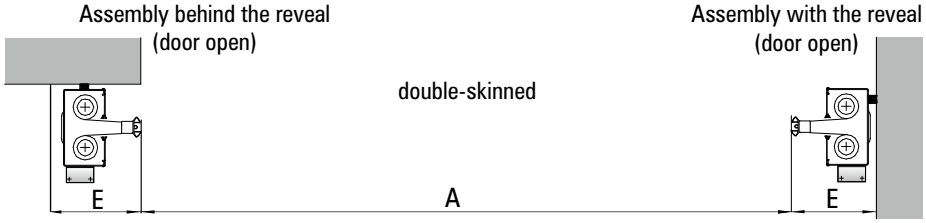
View double-skinned door



Vertical section



Horizontal section



Schematic illustration
For more details please consult the dimensional drawings

5416.3910 D - Version of 12.08.19 - Subject to technical alterations.

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Dim./ Pos.	Technical Data NOVOSPRINT® High-Speed Doors **Technical state in July 2019**		DUO 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 (each side)	1.75 (each side)
	Closing speed [m/s]*	Standard / optional light curtain included, up to:	0.75 / 1.25 (each side)	0.75 / -- (each side)
	Opening cycles / operating time*	Total number of door cycles annually, typically up to:	350 000	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	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
		Increased no. of cycles for max. 15 minutes [1 / min]	6	6
	Warranty on springs*	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	1800 / 4500 / 5300 reinforced, single-leaf max. 2650	
		width min. / max. for PVC-free, antistatic or food-safe door skin	1800 / 4300, single leaf max. 2150	
B	**Clear opening height [mm]**	C/o height min. / max. Values given in brackets upon request	1700 / 4500 / 5000 reinforced	1700 / 4500
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)	350	
E	**Space requirement, lateral (drive-unit side) [mm]***	Minimum (wall-mounted control system)	350	
F	**Space requirement, lateral (drive-unit side) [mm]* for integrated ground closure**	Minimum (wall-mounted control system)	410	
G	**Required space, total depth [mm]***	Without additional equipment	520 (550)	

	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**	class 0	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)	■ (2x)	
06		Worm gear motor with double brake (without emergency handle - currentless opening)	□ (2x)	
07		Electric motor incl. frequency converter - driving power [kW]	0.75 kW (2x)	

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.)	■ (2x)	
18		Opens automatically when currentless (Note: Upon request, the door may be pushed completely open manually.)	□ (2x)	
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.) **Max. door height 3.5m,** 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	■ 2 pieces, built-in a case of size 600x800x250 electr. connection 3x400V/N/PE , pre-fuse 16A C-characteristics, 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