

Safety fence system WAND II

Modular all-round protection

The safety fence system WAND II by Brühl is made up of sheet metal elements and posts that are compatible with all Brühl door products. This stable, separating safety device is used in particular where system safety through safety grids cannot be ensured and where additional mbience conditions – such as protection from smoke formation, protection from sight, sound or very small parts – must be considered. The system WAND II process view was developed specifically for areas where a view of the system is required.

Process view window

Large view, square window = simple exchange possible

EN ISO 14120: 5.2.4/5.4.2/5.9/5.10/5.16/5.17



Integrated height compensation

per field +5/-5 mm

EN ISO 14120: 5.2.2



Sight protection

Support of sheet metal walls on post

EN ISO 14120: 5.1.3/5.1.4/ 5.1.5/5.1.6/5.3.7/5.5/5.16/5.17



High quality

Sheet elements are made of laser-cut and canted sheet metal

EN ISO 14120: 5.4.3



Sight window installation

Sight windows of polycarbonate, sight protection panels and prevention of break through can be supplemented

EN ISO 14120 5.2.4/5.4.2/5.9/5.10/5.16/5.17



Full protection

Sight protection, spray protection, protection against particles, protection from bright light, smoke, heat, dust, draft

EN ISO 14120: 5.1.3/5.1.4/ 5.1.5/5.1.6/5.3.7/5.5/5.16/5.17



Safety fence system WAND II sheet metal



Standard sheet metal elements for safety fence system WAND II sheet metal																			
Fence height	Product	Fence course			Wall height		Axle size ❷ from post centre to post centre ❸												
		Straight fence course / outer corner	Inner corner		Ground clearance: 175 mm	Ground clearance: 20 mm	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
			Corner bend left	Corner bend right			Wall width b (axle size - post profile - 10 mm) ❹												
							240	340	440	540	640	740	840	940	1040	1140	1240	1340	1440
1400	SW2-BL	-	-EL	-ER	-1225	-1380	-240	-340	-440	-540	-640	-740	-840	-940	-1040	-1140	-1240	-1340	-1440
1600	SW2-BL	-	-EL	-ER	-1425	-1580	-240	-340	-440	-540	-640	-740	-840	-940	-1040	-1140	-1240	-1340	-1440
1800	SW2-BL	-	-EL	-ER	-1625	-1780	-240	-340	-440	-540	-640	-740	-840	-940	-1040	-1140	-1240	-1340	-1440
2000	SW2-BL	-	-EL	-ER	-1825	-1980	-240	-340	-440	-540	-640	-740	-840	-940	-1040	-1140	-1240	-1340	-1440
2200	SW2-BL	-	-EL	-ER	-2025	-2180	-240	-340	-440	-540	-640	-740	-840	-940	-1040	-1140	-1240	-1340	-1440
2400	SW2-BL	-	-EL	-ER	-2225	-2380	-240	-340	-440	-540	-640	-740	-840	-940	-1040	-1140	-1240	-1340	-1440
2600❶	SW2-BL	-	-EL	-ER	-2425	-2580	-240	-340	-440	-540	-640	-740	-840	-940	-1040	-1140	-1240	-1340	-1440
Example for item number key Product-fence course-wall height-wall width SW2-BL-ER-1980-1240																			

① Height 2600 mm is executed with post profile QR60, all other heights with post profile QR50.
② Axle size at post profile QR60 + 10 mm.
③ Definition axle size/wall width: See fence scope p. 183.
④ Wall height corresponds to fence height minus ground clearance.
⑤ Cable duct holders: see p. 167.

MATERIAL OPTION

also sendzimir zinc-plated
Sheet metal design available

COLOUR RECOMMENDATION

For the safety fence system WAND II, we recommend designing the post and sheet-metal elements in the same colour. We also recommend (if available) a fine-structure varnish so that the surface is less sensitive.



System example: Safety fence system WAND II with a double wing door

CAD

MOV

PICT

Safety fence system WAND II Process view, prevents from break-through

Product group/build
SW2-PE

Prevents from break-through Design

Wing door with grip preparation

Wing door with lock set

Sliding door with switching cam system

Axle size

UK Window = 1255 mm

Wall height

Fence height

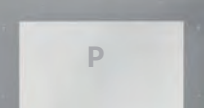
Ground clearance

Different ground clearances

Compriband for sealing
Accessories, see p. 166.



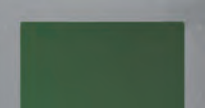
WINDOW FILLINGS



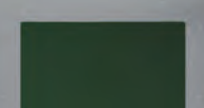
Polycarbonate



Reddish-brown T50



Green T75



Green T90

Standard sheet metal elements for safety fence system WAND II Process view, prevents from break-through																					
Fence height	Product	Option Prevent break through	Fence course			Window filling			Wall height		Axle size ② from post centre to post centre ③										
			Straight fence course/ outer corner	Inner corner		Polycarbonate	Sight protection glass reddish-brown	Sight protection glass green	Ground clearance: 175 mm	Ground clearance: 20 mm	1000	1100	1200	1300	1400	1500					
				Corner tab left	Corner tab right						Wall width b (axle size - post profile - 10 mm) ④										
											940	1040	1140	1240	1340	1440					
2000	SW2-PE	-D	-	-EL	-ER	-P	-SSB	-SSG	-1825	-1980	-940	-1040	-1140	-1240	-1340	-1440					
2200	SW2-PE	-D	-	-EL	-ER	-P	-SSB	-SSG	-2025	-2180	-940	-1040	-1140	-1240	-1340	-1440					
2400	SW2-PE	-D	-	-EL	-ER	-P	-SSB	-SSG	-2225	-2380	-940	-1040	-1140	-1240	-1340	-1440					
2600 ⑤	SW2-PE	-D	-	-EL	-ER	-P	-SSB	-SSG	-2425	-2580	-940	-1040	-1140	-1240	-1340	-1440					
Example for item number key Product-(Option penetration protection)-fence course-window filling-wall height-wall width SW2-PE-D-SSB-1980-1240													COLOUR RECOMMENDATION								
													MATERIAL OPTION								
													 also sendzimir zinc-plated Sheet metal design availabler								

PANEL INSTALLATION



Windows of the process view are clamped with a Z-profile.

② Square window installation, easy changeability

③ Dimension maximum: 1195 × 1195 mm

① Height 2600 mm is executed with post profile QR60, all other heights with post profile QR50.

② Axle size at post profile QR60 + 10 mm.

③ Definition axle size/wall width: See fence scope p. 183.

④ Wall height corresponds to fence height minus ground clearance.

⑤ The height from the bottom to the lower edge of the process view windows always is 1255 mm.

⑥ In a fence course with doors, the frames of the doors are completely filled with te process view windows; therefore, a slight offset at the horizontal upper edge of the process view windows from the doors to the wall elements results.

⑦ Cable duct holders: see p. 167.



Safety fence system WAND II Process view with penetration protection



CAD



MOV



PICT

Brühl www.bruehl-safety.com

www.bruehl-safety.com Brühl

Post for safety fence system WAND II

Straight fence course



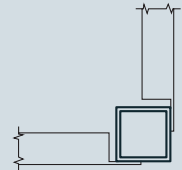
Passage post (DP...)



Outer corner



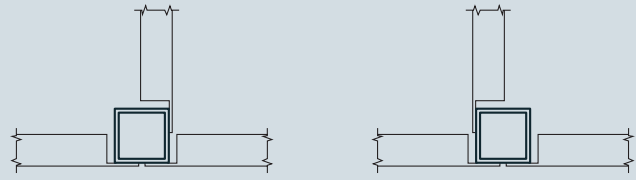
Corner post (EP...)



T-seam fence course



T-seam post (TP...)



T-seam connection optionally on the left or right – both connections present..

Connection on the left



Passage post (DP...)

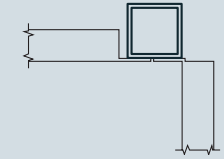


Inner corner

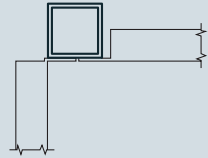


Passage post (DP...)

Corner canting left



Corner canting right



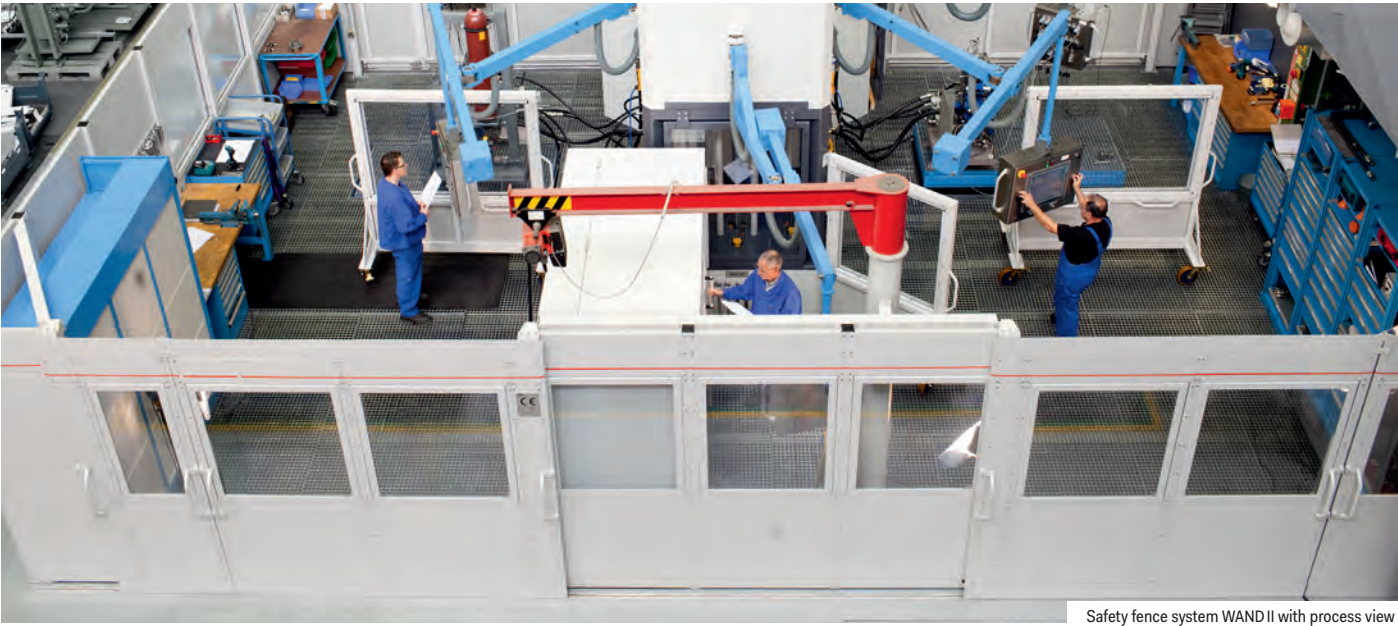


Safety fence system WAND II

Post for safety fence system WAND II

Post without height compensation							
							
Fence height	Passage post	Passage post	Corner post	T-seam post	Passage post adjustable	Corner post adjustable	T-seam post adjustable
1400	DP-QR50-W-1400-0613	DP-QR50-W-1400-1313	EP-QR50-W-1400-1313	TP-QR50-W-1400-1313	DPJ-QR50-W-1400-1313	EPJ-QR50-W-1400-1313	TPJ-QR50-W-1400-1313
1600	DP-QR50-W-1600-0613	DP-QR50-W-1600-1313	EP-QR50-W-1600-1313	TP-QR50-W-1600-1313	DPJ-QR50-W-1600-1313	EPJ-QR50-W-1600-1313	TPJ-QR50-W-1600-1313
1800	DP-QR50-W-1800-0613	DP-QR50-W-1800-1313	EP-QR50-W-1800-1313	TP-QR50-W-1800-1313	DPJ-QR50-W-1800-1313	EPJ-QR50-W-1800-1313	TPJ-QR50-W-1800-1313
2000	DP-QR50-W-2000-0613	DP-QR50-W-2000-1313	EP-QR50-W-2000-1313	TP-QR50-W-2000-1313	DPJ-QR50-W-2000-1313	EPJ-QR50-W-2000-1313	TPJ-QR50-W-2000-1313
2200	DP-QR50-W-2200-0613	DP-QR50-W-2200-1313	EP-QR50-W-2200-1313	TP-QR50-W-2200-1313	DPJ-QR50-W-2200-1313	EPJ-QR50-W-2200-1313	TPJ-QR50-W-2200-1313
2400	DP-QR50-W-2400-0613	DP-QR50-W-2400-1313	EP-QR50-W-2400-1313	TP-QR50-W-2400-1313	DPJ-QR50-W-2400-1313	EPJ-QR50-W-2400-1313	TPJ-QR50-W-2400-1313
2600	DP-QR60-W-2600-0715	DP-QR60-W-2600-1515	EP-QR60-W-2600-1515	TP-QR60-W-2600-1515	DPJ-QR60-W-2600-1515	EPJ-QR60-W-2600-1515	TPJ-QR60-W-2600-1515
Post with height compensation					Transfer post		
							
Fence height	Passage post with height compensation	Passage post with height compensation	Corner post with height compensation	T-seam post with height compensation	Transfer post as passage post	Transfer post as corner post	Transfer post as T-seam post
Height compensation	+ 52	+ 52	+ 52	+ 52			
	- 7	- 7	- 7	- 7			
1400	DPHV1-QR50-W-1400-0613	DPHV1-QR50-W-1400-1313	EPHV1-QR50-W-1400-1313	TPHV1-QR50-W-1400-1313	UDP-QR50-W-1400-... ②	UEP-QR50-W-1400-... ②	UTP-QR50-W-1400-... ②
1600	DPHV1-QR50-W-1600-0613	DPHV1-QR50-W-1600-1313	EPHV1-QR50-W-1600-1313	TPHV1-QR50-W-1600-1313	UDP-QR50-W-1600-... ②	UEP-QR50-W-1600-... ②	UTP-QR50-W-1600-... ②
1800	DPHV1-QR50-W-1800-0613	DPHV1-QR50-W-1800-1313	EPHV1-QR50-W-1800-1313	TPHV1-QR50-W-1800-1313	UDP-QR50-W-1800-... ②	UEP-QR50-W-1800-... ②	UTP-QR50-W-1800-... ②
2000	DPHV1-QR50-W-2000-0613	DPHV1-QR50-W-2000-1313	EPHV1-QR50-W-2000-1313	TPHV1-QR50-W-2000-1313	UDP-QR50-W-2000-... ②	UEP-QR50-W-2000-... ②	UTP-QR50-W-2000-... ②
2200	DPHV1-QR50-W-2200-0613	DPHV1-QR50-W-2200-1313	EPHV1-QR50-W-2200-1313	TPHV1-QR50-W-2200-1313	UDP-QR50-W-2200-... ②	UEP-QR50-W-2200-... ②	UTP-QR50-W-2200-... ②
2400	DPHV1-QR50-W-2400-0613	DPHV1-QR50-W-2400-1313	EPHV1-QR50-W-2400-1313	TPHV1-QR50-W-2400-1313	UDP-QR50-W-2400-... ②	UEP-QR50-W-2400-... ②	UTP-QR50-W-2400-... ②
2600 ③	DPHV1-QR60-W-2600-0715	DPHV1-QR60-W-2600-1515	EPHV1-QR60-W-2600-1515	TPHV1-QR60-W-2600-1515	UDP-QR60-W-2600-... ②	UEP-QR60-W-2600-... ②	UTP-QR60-W-2600-... ②

③ Height 2600 is executed with post profile QR60, all other heights with post profile QR50. ② Transfer post: The item number results from the system and height; for explanations, see p. 183.
① When ordering, observe inner corner (DP) and outer corner (EP). ④ T-seam connection optionally on the left or right – both connections present. ⑤ Please order floor attachment media separately. See p. 168.



Safety fence system WAND II with process view