

Also when using the SBH Rolling strut shoring system with shoring plates, very often utility lines must be crossed.

For this purpose, pile chamber plates with lateral slide rail guidances are designed. Since the constructional design of the plate body is identical to those of the pile chamber plates, a system change is not necessary.

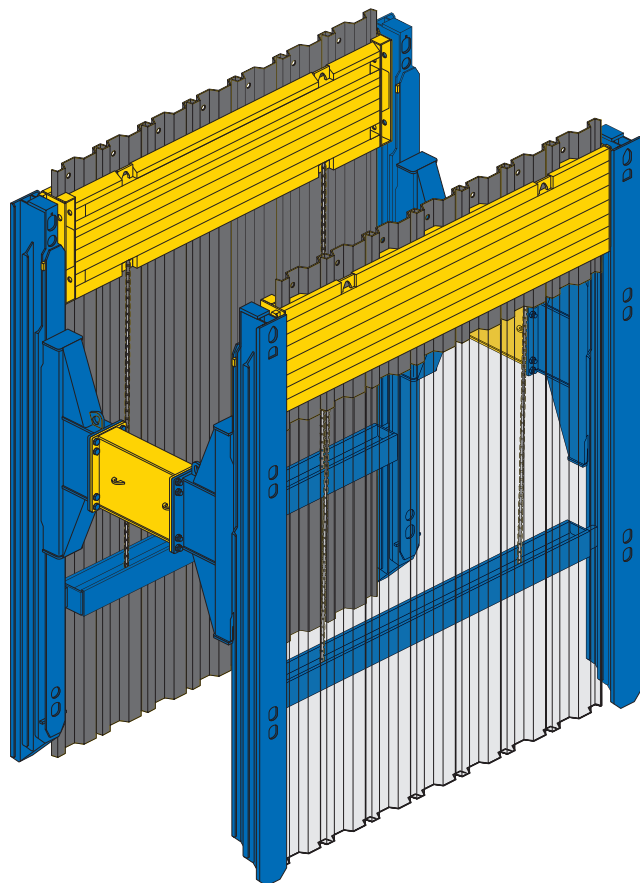
Crossing lines are easily handled by the combination of the two systems.



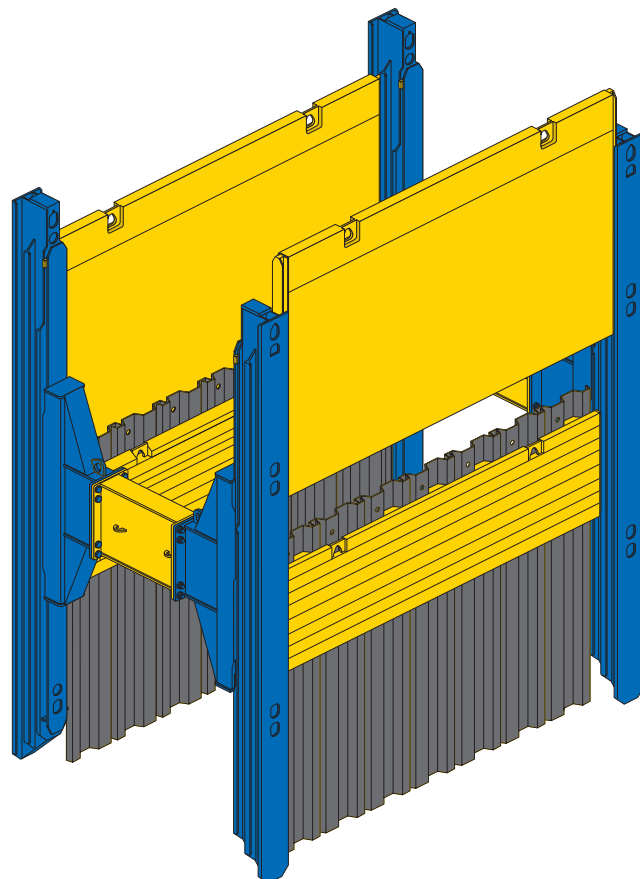
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Customised solutions



Installation in rolling strut shoring
in the outer guides with beam



in the inner guides without beam

PILE CHAMBER SHORING

Series 400



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Safe

Strong

Compatible



PILE CHAMBER SHORING

Series 400

SBH pile chamber boxes are the fast and economical shoring solution for inner city projects with frequent crossing lines. The pile chamber serves as guidance and support for the trench sheets.



The application is very easy also in narrow site conditions: The excavator is located in front of the trench and lowers the trench sheets following the excavation with the excavator bucket. Alternatively the lowering can take place by means of ramming equipment.



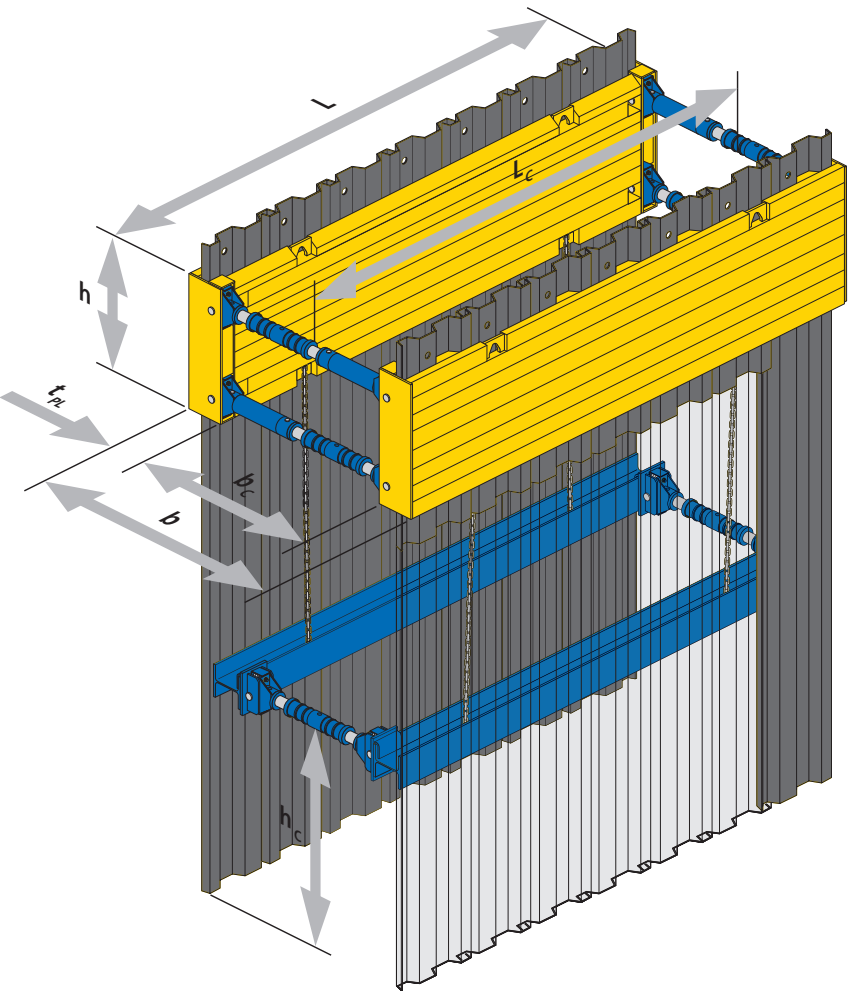
Pile chamber plates can be combined with any other SBH shoring system even with the SBH Rolling strut shoring system.

The SBH Spindle is used as with other shoring boxes.

The great compatibility creates many economic advantages when using existing parts of the SBH Shoring Program.



The pile chamber is produced for the trench sheet type KD 6/8. Larger trench depths require additional supports. The SBH Design Calculation Department offers professional advice and on request a design calculation especially for your site is provided.



Pile chamber plates $h = 1,00\text{m}$

Plate length		Pipe cl. length L_c	Quantity	Thickness	Permissible	Weight per panel
L_{DKE}	L with guide	[m]	KD 6/8	inner plates t_{pi}	beam load q	without/with guide
[m]	[m]			[mm]	[kN/m]	[kg]
1.90	2.00	1.62	3	120	261.2	470 / 505
2.34	2.44	2.06	4		171.6	560 / 595
2.84	2.94	2.56	5		116.6	660 / 695
3.42	3.52	3.14	6		80.4	775 / 810
3.92	4.02	3.64	7		61.2	875 / 910
4.42	4.52	4.14	7	170	116.8	1325 / 1360
4.92	5.02	4.64	8		94.3	1470 / 1505
5.42	5.52	5.14	9		77.7	1605 / 1640
5.92	6.02	5.64	10		65.2	1750 / 1785

Spindles type 031/085 blue

Number of ext. pipes	Working width b_c in between			Trench width	Permissible	Weight
	Sheets	inner plates	reinforced inner pl.			
a 0,50m	[m]	[m]	[m]	b [m]	[kN]	[kg]
0	1.00 – 1.28	0.76 – 1.04	0.66 – 0.94	1.30 – 1.58	468	65.0
1	1.50 – 1.78	1.26 – 1.54	1.16 – 1.44	1.80 – 2.08	403	84.8
2	2.00 – 2.28	1.76 – 2.04	1.66 – 1.94	2.30 – 2.58	348	104.6
3	2.50 – 2.78	2.26 – 2.54	2.16 – 2.44	2.80 – 3.08	299	124.4
4	3.00 – 3.28	2.76 – 3.04	2.66 – 2.94	3.30 – 3.58	254	144.2
5	3.50 – 3.78	3.26 – 3.54	3.16 – 3.44	3.80 – 4.08	210	164.0
6	4.00 – 4.28	3.76 – 4.04	3.66 – 3.94	4.30 – 4.58	165	183.8