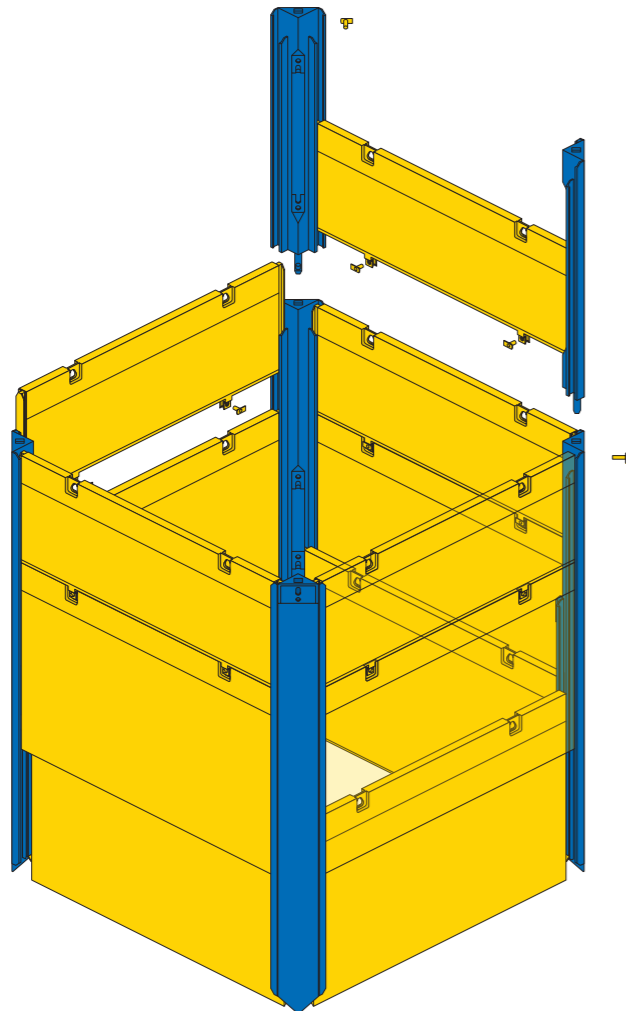


# Pits



## ROLLING STRUT SHORING

Series 750/790



Fast

Safe

Economical

Rugged



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# ROLLING STRUT SHORING

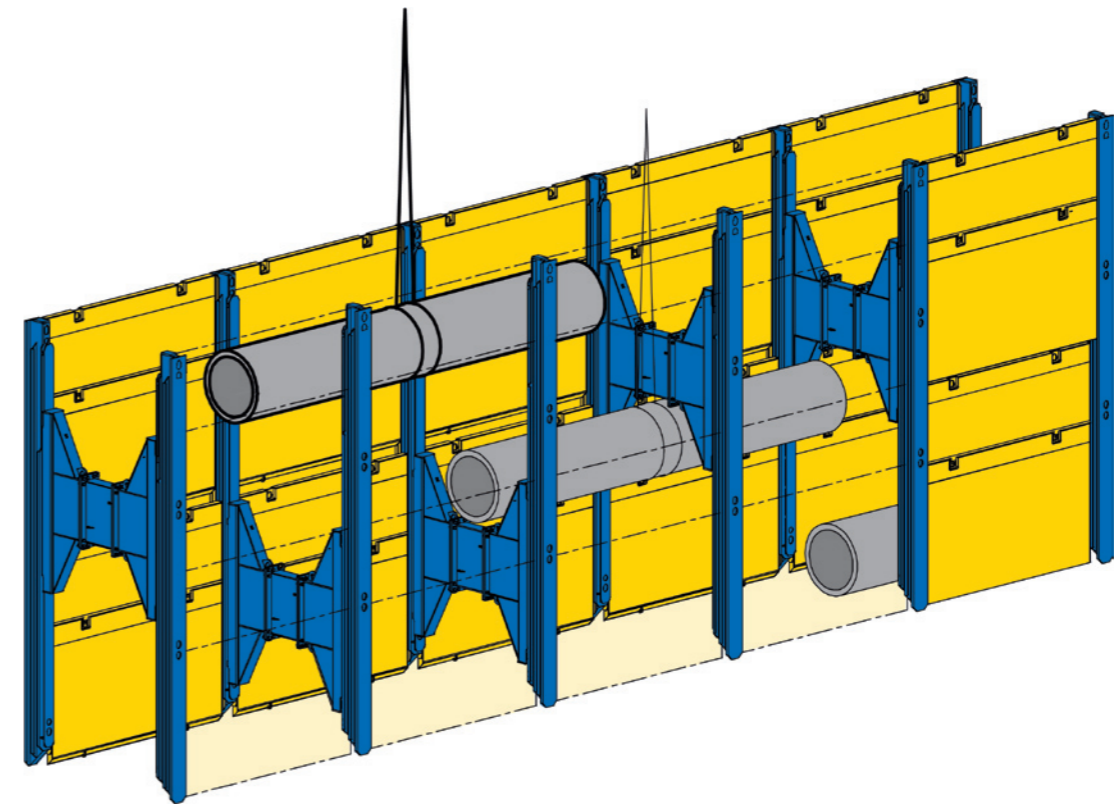
Series 750/790

## The safe solution for hazardous jobs

The SBH Slide Rail System is perfect for projects with a combination of difficult conditions and can be used in most instances when conventional systems fail.

The SBH Slide Rail System is designed to handle deep trench excavations, close to existing buildings and adjacent to active roadways, without settlement.

The Inner Track of the Double Slide Rail System has been modified to accept the inner panels without loading them from the top as in older systems. This feature improves installation time.



The SBH Rolling strut shoring system allows a minimum pipe clearance of 3.00 metres and can be used for trench depths up to 9.00 metres which makes the system especially suited for typical inner city work.

If needed the Rolling Struts can be positioned in different heights and thus allow the laying of very long pipes.



## Additional strength while providing more room for the excavator while digging or laying pipe

The compact size and center position of the "H" shaped rolling strut offers optimum working room during all operations. In every phase of the installation and removal process, the movable rolling strut is situated in such a low position that an excavator even with a short boom is always able to work free and unhindered. This feature makes this system much easier to use than any double strut slide rail system.

The unique rolling strut insures that opposing slide rails always remain parallel even when they are sliding past one another. Because of this, the slide rail panels can be installed easily even in deep cuts.

Soil movement outside the trench is minimized during the lining process. The horizontal soil movement which occurs when using conventional systems due to the shifting or tilting of slide rail panels during the lowering process is eliminated. The trench width remains constant during the entire excavation and back-fill operation.

The removal process is improved as well, and is just as problem-free as the installation. Much less pulling force is required to remove panels as compared to old style slide rail systems. There is no horizontal movement of the shoring and thus no pressure against the soil.

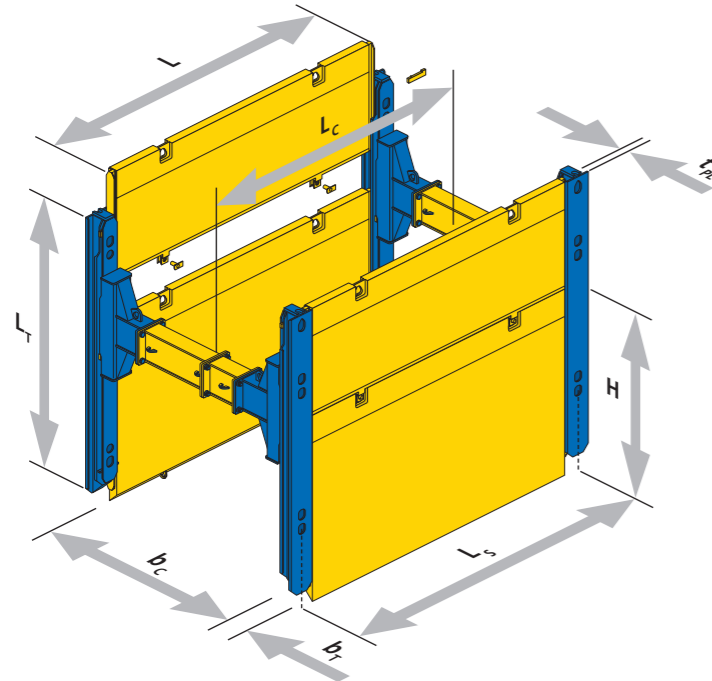
**As you see - all along the line**



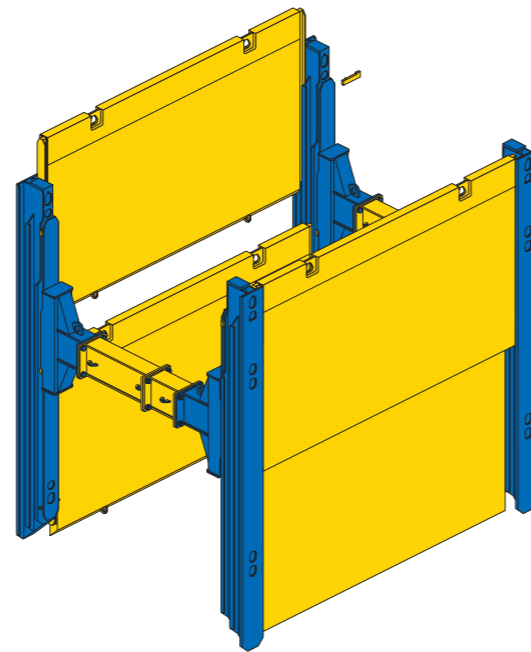
# ROLLING STRUT SHORING

Series 750/790

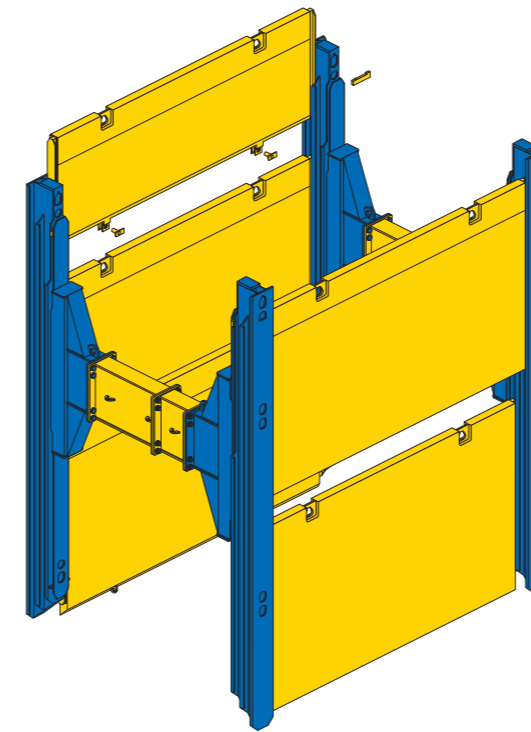
**Single slide rail**  
Series 790



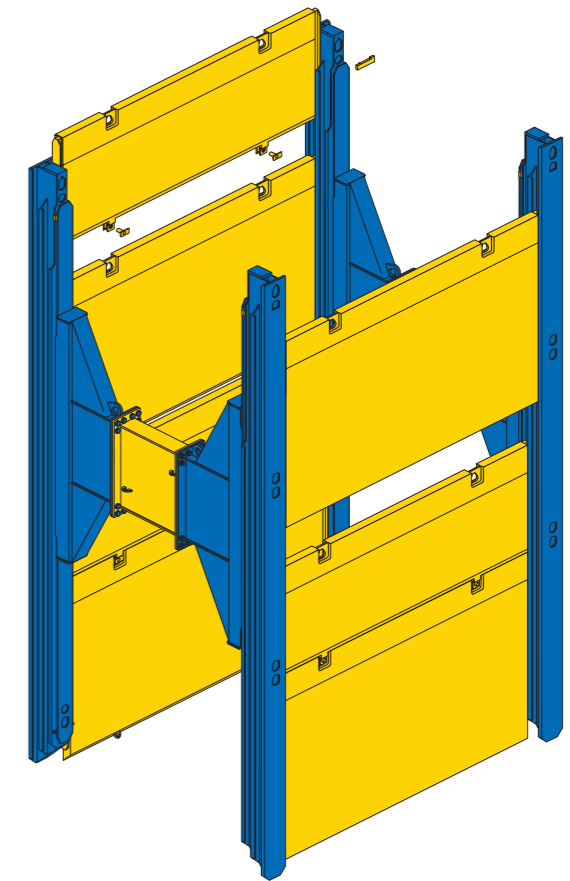
**Mini double slide rail**  
Series 750/790



**Standard double slide rail**  
Series 750



**Mega double slide rail**  
Series 750



## RS-Rail

Name	Rail length $L_r$ [m]	Weight per rail [kg]	Rail height $b_r$ [mm]	Permissible bending moment [kNm]
Single – Series 790	3.50	540	220	307
Standard – Series 750	4.50	960	375	672
Standard – Series 750	5.50	1170		
Top rail – Series 750	3.00	650	405	927
Mega – Series 750	6.50	1710		
Mega – Series 750	7.50	2000		
Top rail Mega – Series 750	3.00	760		

## Corner slide rail

Name	Rail length $L_r$ [m]	Weight per rail [kg]	Rail height $b_r$ [mm]	Permissible bending moment [kNm]
Single – Series 790	3.50	390	275	132
Standard – Series 750	4.50	810	430	328
Standard – Series 750	5.50	950		
Standard – Series 750	6.50	1130		
Standard – Series 750	7.50	1305		
Corner top rail – Series 750	3.00	530		

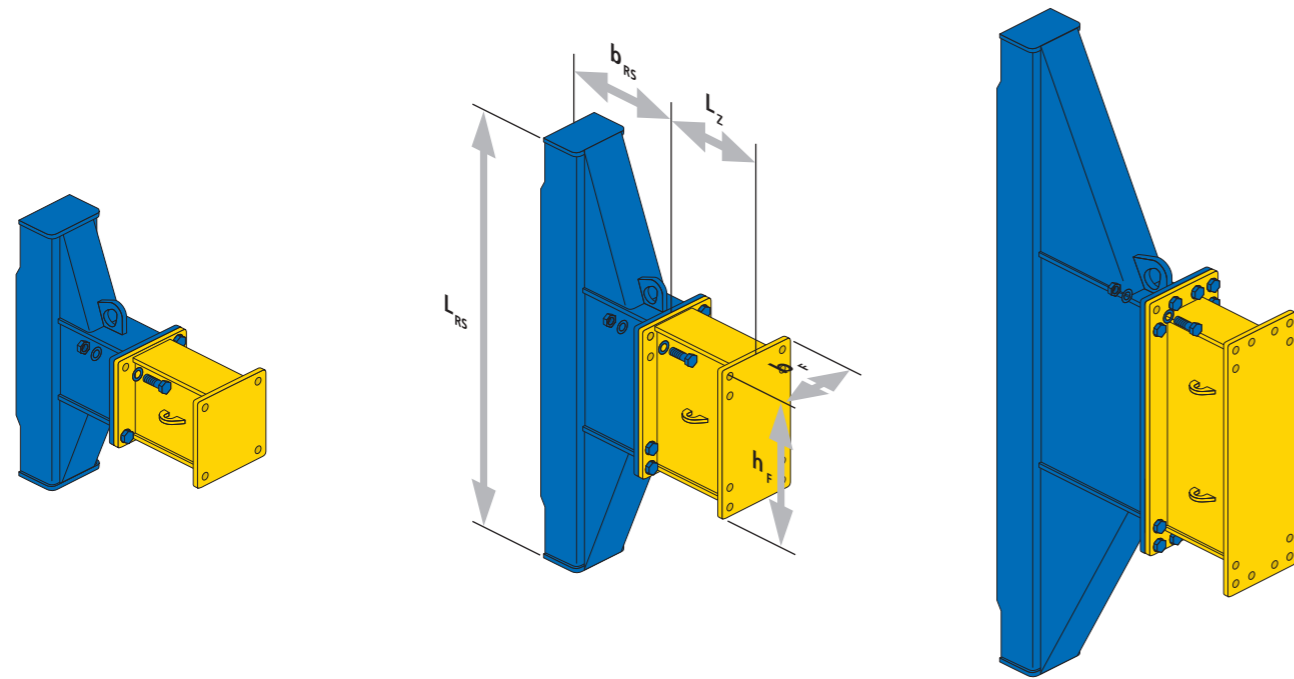
## Slide rail plates

Plate length $L$ [m]	Plate height $H$ [m]	Thickness $t_{PL}$ [m]	Pipe clearance length $L_c$ [m]	Pipe clearance height $h_c$ [m]	Permissible earth pressure [kN/m <sup>2</sup> ]	Weight [kg]
2.00	2.40	107	1.80	2.27	158.2	550
	1.40			355		
2.50	2.40		2.30	2.77	101.2	650
	1.40					420
3.00	2.40		2.80	3.27	70.3	770
	1.40					495
3.50	2.40		3.30	3.77	51.6	900
	1.40					580
4.00	2.40		3.80	4.27	39.5	1010
	1.40					650
4.00	2.40	130	3.80	4.27	82.1	1370
	1.40					880
4.50	2.40		4.30	4.77	64.9	1530
	1.40					980
5.00	2.40		4.80	5.27	52.6	1690
	1.40					1070
5.50	2.40		5.30	5.77	43.4	1850
	1.40					1170
6.00	2.40		5.80	6.27	36.5	2210
	1.40					1370

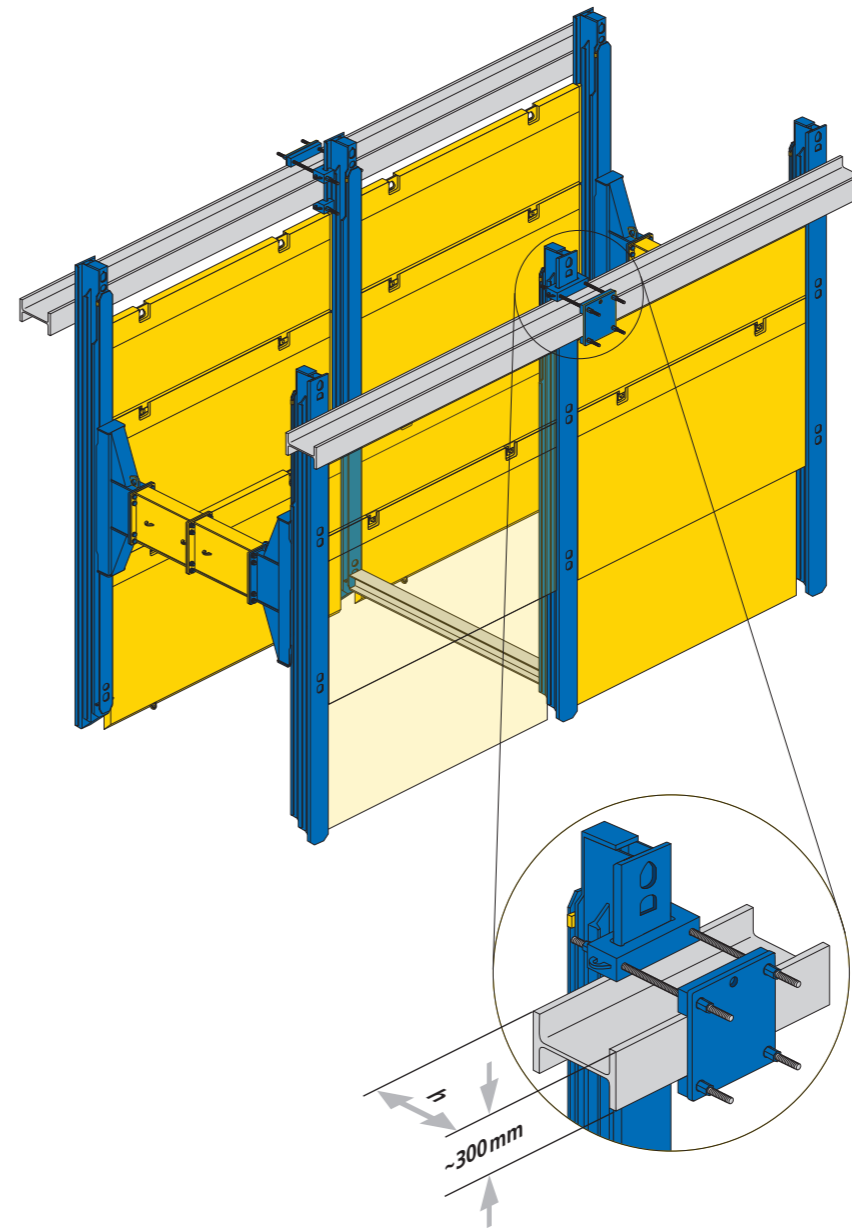
# ROLLING STRUT SHORING

Series 750/790

## Rolling strut frame



## Adjustable clamping device



## Rolling strut (RS)

Name	RS-length $L_{RS}$ [m]	RS-width $b_{RS}$ [m]	min. working width $b_c$ [m]	Flange $b_F \times h_F$ [mm]	Permissible forces [kN]	Weight per RS-pair [kg]
Mini – RS	1.24	0.62	1.24	405 x 420	-100 bis 639	620
Standard – RS	2.04	0.62	1,24	405 x 720	-200 bis 780	980
Mega – RS	3.04	0.92	1.83	405 x 1220	-374 bis 973	1700
RS for top rail & SSR	1.24	0.62	1.24	405 x 420	-100 bis 639	620

## Distance piece

Length $L_Z$ [m]	RS Mini / Top / SSR		Standard – RS		Mega – RS	
	Flange [mm]	Weight [kg]	Flange [mm]	Weight [kg]	Flange [mm]	Weight [kg]
0.25		99		163		306
0.50	405 x 420	128	405 x 720	201	405 x 1220	363
0.75		157		239		418
1.00		185		277		474
2.00	405 x 420	303	405 x 720	437	405 x 1220	714
3.00		421		597		960

## Technical parameters

Name	Dimensions [mm]	Weight [kg]
Adjustable clamping device Width ~300mm, height adjustable	550 x 520 x h	275

