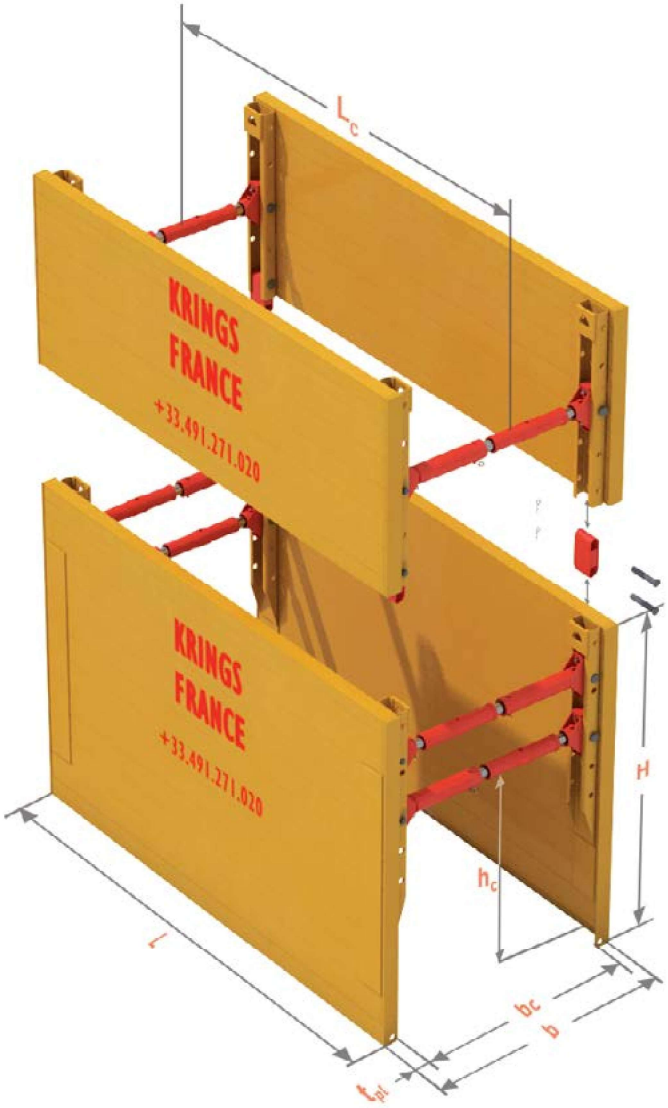
KS 100 **STANDARD BOX**

Unit Lenght	2.00 m - 5.00 m
Height Base Box	2.40 - 2.90 m
Height Top Extension Box	1.30 m
Vertical Clearance under Spindle	1.55 – 1.85 m maximum
Weight	1456 kg - 2780 kg
Recommended Depth	up to 5.00m
Lifting means	excavator ≈ 15 to 20t

- Universally accepted as the most popular trench box.
- Its strength and ease of use make it suitable for most types of trenches.
- It's new design permits a vertical clearance under spindle of 1.55m, and even 1.85m with 2.90m height boxes (please consult us).

KS 100 **STANDARD BOX**

Conformity
DIN 4124
DIN EN 13331



H	Panel height
L	Panel length
h_c	Vertical clearance under spindle
L_c	Clearance between spindles
b_c	Effective width
b	Overall width
t_{pl}	Panel thickness

CAISSON STANDARD KS 100

Base Panel LxH	Box Weight	Vertical clearance under spindle h_c	Clearance between spindles L_c	Panel thickness t_{pl}	Maximum load ed
[m]	[kg]	[m]	[m]	[mm]	[kN/m²]
KS 2.00x2.40	1460	1.54	1.61	100	97.5
KS 2.50x2.40	1650	1.54	2.11		78.0
KS 3.00x2.40	1850	1.54	2.61		65.0
KS 3.50x2.40	2050	1.54	3.11		55.7
KS 3.75x2.40	2150	1.54	3.36		51.3
KS 3.75x2.90	**2630**	**1.87**	**3.36**		**45.0**
KS 4.00x2.40	2240	1.54	3.61		44.6
KS 4.50x2.40	2570	1.54	4.11	120	42.9
KS 5.00x2.40	2780	1.54	4.61		34.3

Top Extension Panel	Box Weight	Vertical clearance under spindle h_c	Clearance between spindles L_c	Panel thickness t_{pl}	Maximum load ed
KSA 2.00x1.30	840	-	1.61	100	97.5
KSA 2.50x1.30	970	-	2.11		78.0
KSA 3.00x1.30	1090	-	2.61		65.0
KSA 3.50x1.30	1210	-	3.11		55.7
KSA 3.75x1.30	1270	-	3.36		51.3
KSA 4.00x1.30	1340	-	3.61		44.6
KSA 4.50x1.30	1690	-	4.11	120	42.9
KSA 5.00x1.30	1830	-	4.61		34.3

For any other dimensions, please consult us.

Tensile forces at the points of extraction, connection and towing (in the vertical direction) :

- Lifting eyes at the panel head Rd=229kN
- Bottom eyes of the panel Rd=47kN

Pipe Extension lengths	Effective Width b_c	Overall Width b	Weight
[mm]	[m]	[m]	[kg]
0	0.99-1.33	1.20-1.54	71.0
300	1.29-1.63	1.50-1.84	+ 15.5
500	1.49-1.83	1.70-2.04	+ 20.0
800	1.79-2.13	2.00-2.34	+ 26.7
1000	1.99-2.33	2.20-2.54	+ 31.1