

HOOK FOR TIMBER ELEMENTS TRANSPORT

FAST

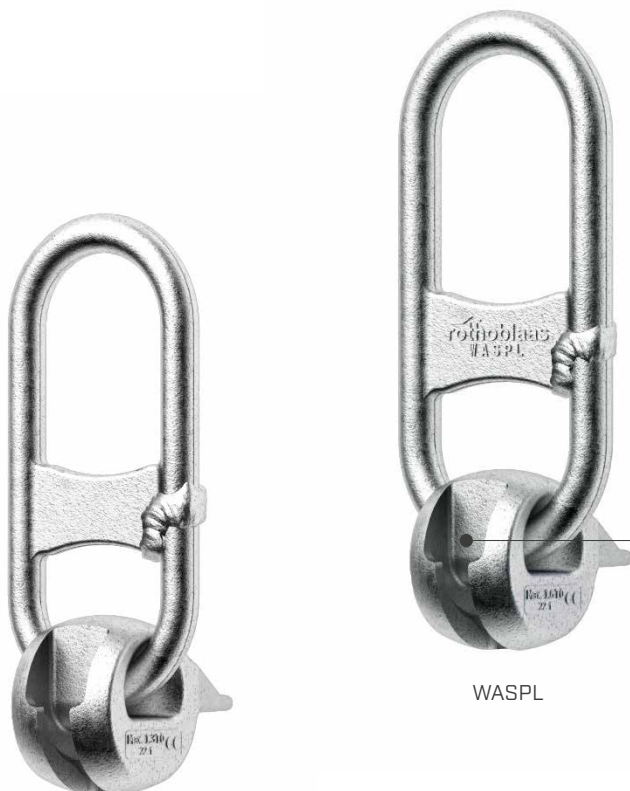
Fastened with just one screw, it allows time savings due to its quick assembly and disassembly.

INGENIOUS

The lifting hook can be used for both axial and lateral loads.

CERTIFIED

Pursuant to the Directive 2006/42/EC on machinery.



WASP

WASPL



FIELDS OF USE

- Solid timber or glulam beams
- CLT panels for floor or wall
- Prefabricated TIMBER FRAME walls
- Small special timber components



MATERIAL

WASP is made of very high strength carbon steel. WASPL is forged from high-strength steel. Both versions are coated with white electro-galvanising for a long service life.

VERSATILITY

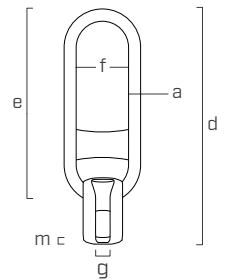
Various installation options with different types of screws for load conditions and different material.

CODE

CODE	max. capacity		suitable screws	pcs
WASP	1300 kg	2860 lbs	VG SPL Ø11 - VGS Ø11	2
WASPL	1600 kg	3530 lbs	VG SPL Ø11 - VGS Ø11 - VGS Ø13	1

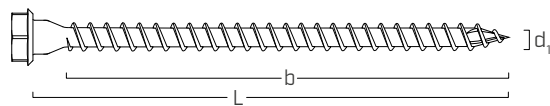
DIMENSIONS

CODE	a	d	e	f	g	m	a	d	e	f	g	m
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[in]	[in]	[in]	[in]	[in]	[in]
WASP	12	185	157	40	12	6	0.472	7.283	6.181	1.575	0.472	0.236
WASPL	14	205	180	54	13	8	0.551	8.071	7.087	2.126	0.512	0.315



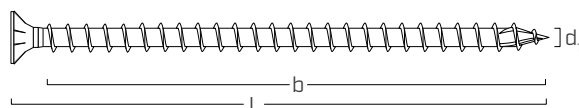
COMPATIBLE SCREWS

VGS PLATE - pan head screw for lifting



d ₁	CODE	L	b	L	b	pcs	suitable for	
[mm] [in]		[mm]	[mm]	[in]	[in]		WASP	WASPL
11 0.44 SW 17 TX 50	VG SPL1160	60	50	2 3/8	1 7/8	25	●	●
	VG SPL1180	80	70	3 1/8	2 11/16	25	●	●
	VG SPL11100	100	90	4	3 7/16	25	●	●
	VG SPL11120	120	110	4 3/4	4 1/4	25	●	●
	VG SPL11140	140	130	5 1/2	5 1/16	25	●	●
	VG SPL11160	160	150	6 1/4	5 13/16	25	●	●
	VG SPL11180	180	170	7 1/8	6 5/8	25	●	●
	VG SPL11200	200	190	8	7 3/8	25	●	●
	VG SPL11240	240	230	9 1/2	9	25	●	●
	VG SPL11280	280	270	11	10 9/16	25	●	●

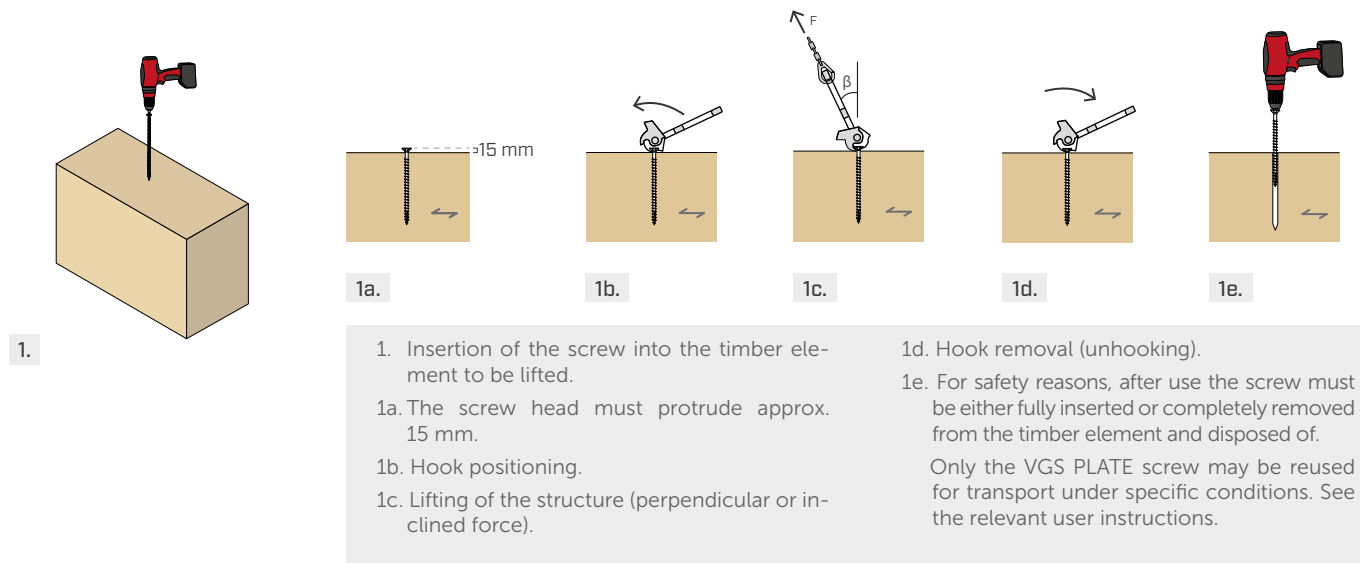
VGS - full thread screw with countersunk head



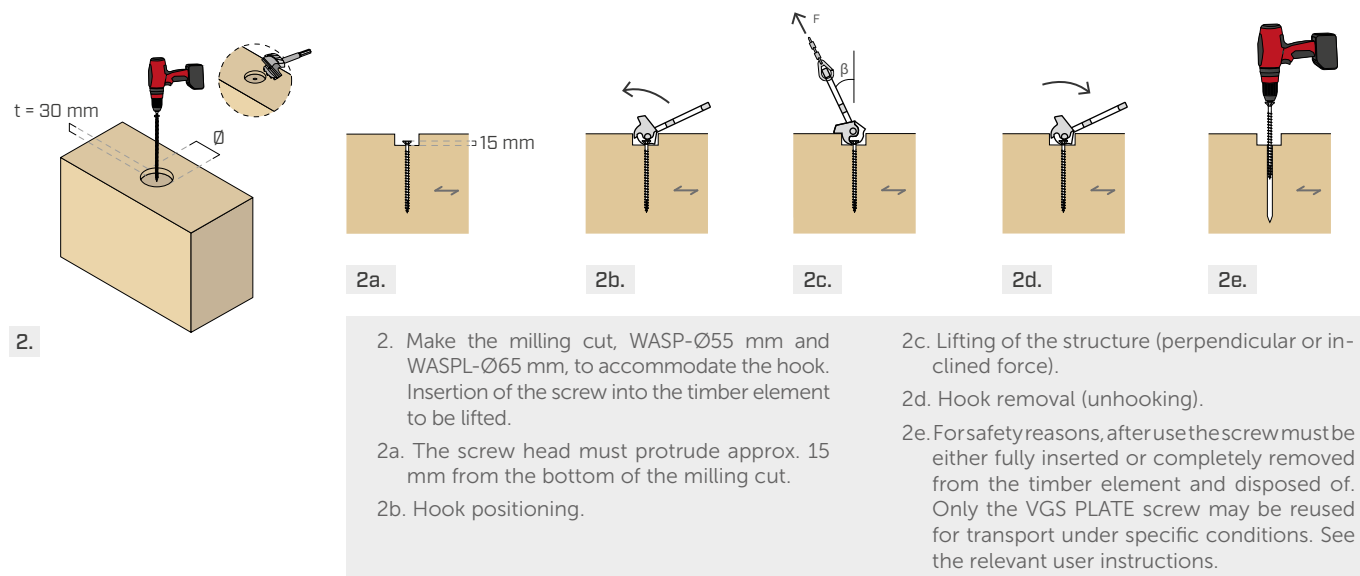
d ₁	CODE	L	b	L	b	pcs	suitable for	
[mm] [in]		[mm]	[mm]	[in]	[in]		WASP	WASPL
11 0.44 TX 50	VGS1180	80	70	3 1/8	2 3/4	25	●	●
	VGS11100	100	90	4	3 1/2	25	●	●
	VGS11125	125	115	4 15/16	4 1/2	25	●	●
	VGS11150	150	140	6	5 1/2	25	●	●
	VGS11175	175	165	6 7/8	6 1/2	25	●	●
	VGS11200	200	190	8	7 1/2	25	●	●
	VGS11225	225	215	8 7/8	8 7/16	25	●	●
	VGS11250	250	240	10	9 1/2	25	●	●
	VGS11275	275	265	10 7/8	10 7/16	25	●	●
13 0.52 TX 50	VGS1380	80	70	3 1/8	2 3/4	25	-	●
	VGS13100	100	90	4	3 1/2	25	-	●
	VGS13150	150	140	6	5 1/2	25	-	●
	VGS13200	200	190	8	7 1/2	25	-	●
	VGS13250	250	240	10	9 1/2	25	-	●
	VGS13300	300	280	11 3/4	11	25	-	●

WASP INSTALLATION

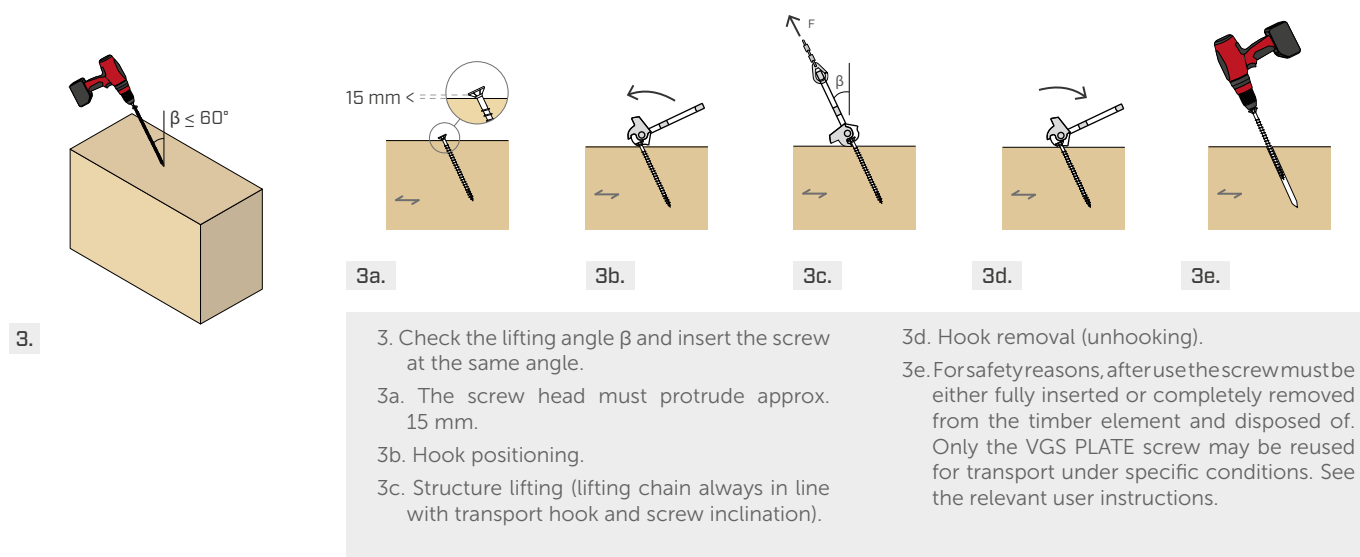
PERPENDICULAR INSTALLATION



INSTALLATION WITH MILLING



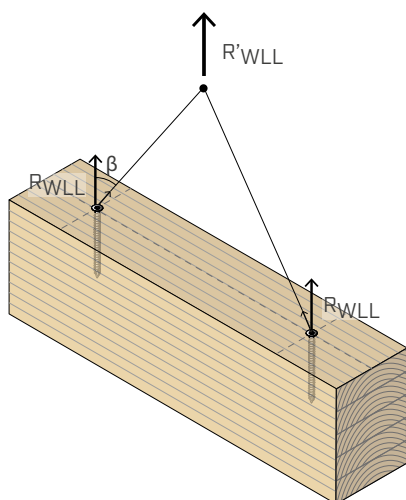
INCLINED INSTALLATION



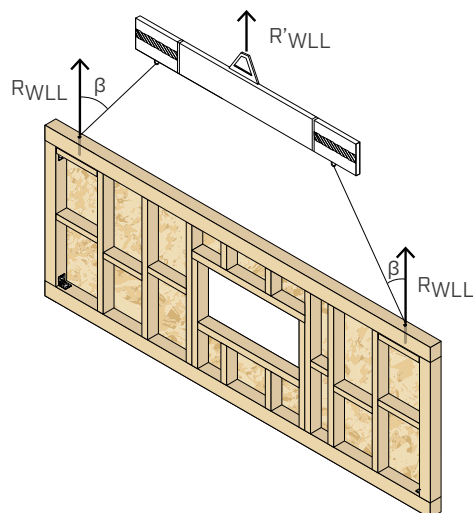
APPLICATION EXAMPLES

To consult the detailed technical tables with load values for different applications, visit the dedicated section on the official Rothoblaas website: www.rothoblaas.com.

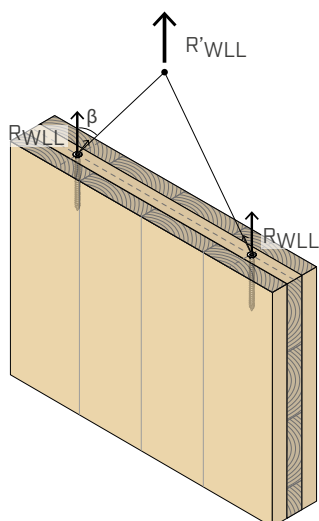
HORIZONTAL BEAM



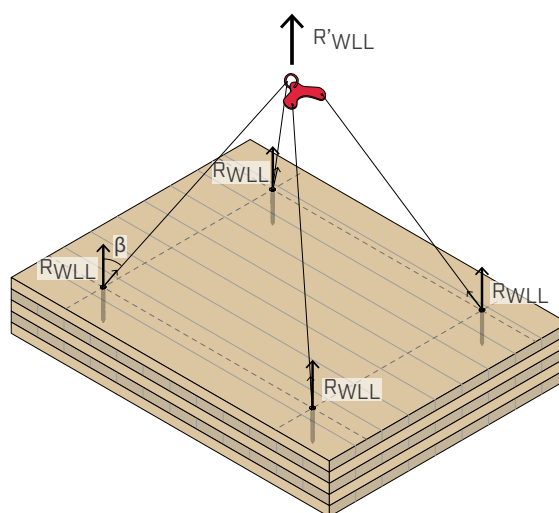
FRAME WALL



VERTICAL CLT PANEL



HORIZONTAL CLT PANEL

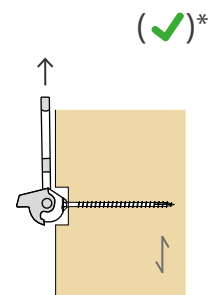
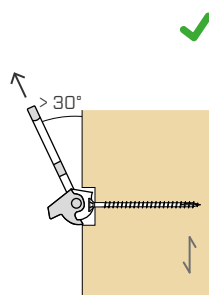
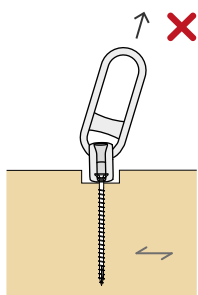
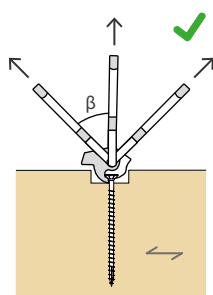


R_{WLL} = reference rigging capacity for a single anchor system

R'_{WLL} = total system rigging capacity

β = lifting angle (angle between vertical axis and chain)

DIRECTIONS OF APPLICATION ALLOWED

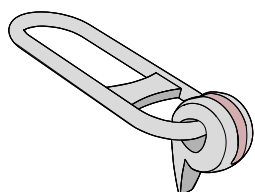


(*) See the "ELEVATION OF CLT ELEMENTS FROM HORIZONTAL TO VERTICAL" test.

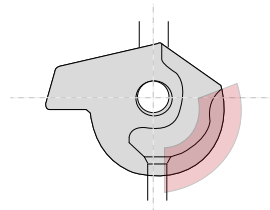
MAINTENANCE

ALWAYS FOLLOW THE INSTRUCTIONS IN THE MANUAL

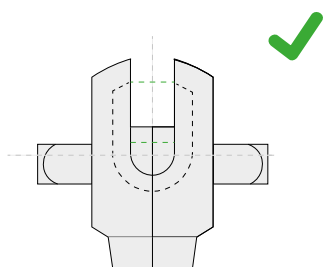
Prior to the inspection, the anchor's round head should be cleaned. Even if, under normal conditions, the lifting anchor does not show signs of wear, it should be checked at least annually by a skilled operator. Damage due to wear must be verified by a skilled operator. Plastic deformations (e.g. irreversible bending or punching) and cracks lead to the replacement of the hook; repairs and, in particular, welding on the hook are inadmissible.



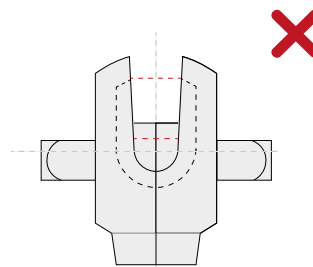
Isometric view of the WASP anchor.
The part of the anchor that must be checked is highlighted in red.



Section view of the WASP anchor round head.
The part of the eyelet subject to checking is highlighted in red.



Bottom view of the WASP anchor round head. The distance between the flanges corresponding to the closure of the eyelet is equal to that of the opening of the eyelet.
Check passed.

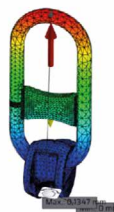
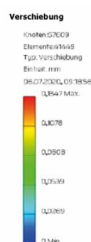


Bottom view of the anchor round head. The distance between the flanges corresponding to the closure of the eyelet is equal to that of the opening of the eyelet.
Check NOT passed.

WANT TO KNOW MORE?

For further technical information on the product, see the manual and further documents at www.rothoblaas.com.

ELEVATION OF CLT ELEMENTS FROM HORIZONTAL TO VERTICAL



Test reports and capacities for elevation of CLT elements are available at www.rothoblaas.com.



NOTES:

- The lifting hook may only be used by qualified personnel. The user manual (supplied with the product and available at www.rothoblaas.com) must be read and understood before use. The information and instructions contained therein must be followed. If in doubt, contact the Technical Department before use.



The **data sheet** complete with **structural values** is available at www.rothoblaas.com

