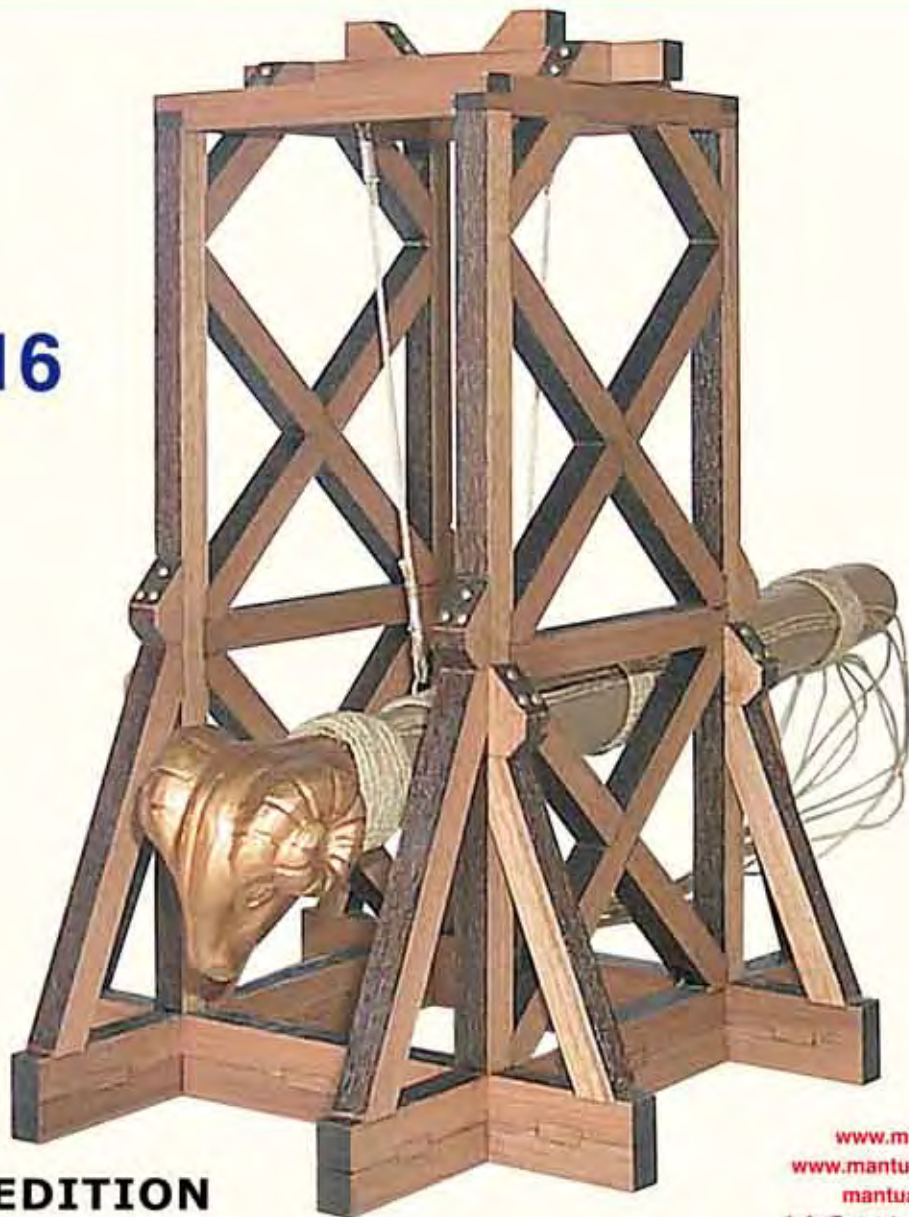


Art. 816



NEW EDITION

www.mantuamodel.com
www.mantuamodelhelp.com
mantuamodel@libero.it
info@mantuamodelhelp.com

TORRE ARIETE ROMANA - X sec.

Torre ariete Romana - X sec.

Il modello risale all'epoca Romana imperiale. L'originale, ricostruito su documentazione d'epoca, si trova al Museo della Civiltà Romana a Roma Eur. La costruzione è in legno di noce mentre la testa dell'ariete è in metallo fuso.



Roman tower - X Century

The tower was built in the age of Roman empire. An original tower, taken from Roman documents, is shown at the Museum of Civiltà Romana at Rome Eur. The kit contains all cut size wood & the metal cast head.



Romanischen Unterlagen - X Jahrhundert

Nach antiken Unterlagen nachgebaut. Das Original ist im Romanischen Museum im Rom ausgestellt. Im Baukasten sind alle Nußbaumhölzer und Metallteile enthalten.



Tour d'éperonnage - Xème siècle

Cette tour d'éperonnage fut construite du temps de l'empire romain. L'original fût reconstruit d'après des documents d'époque. La boîte de construction contient tout le bois d'acajou pré-découpé ainsi que la tête de Bélier en métal.



Toren van romeinse oorsprong - Xe eeuwen

Deze toren van romeinse oorsprong werd gebouwd volgens originele documenten en plannen. De bouwdoos bevat al het voorgezaagd mahoniehout en de metalen Ram-Kop.



Torre ariete romano - s. X

El modelo se remonta a la época del imperio romano. El original, reconstruido a partir de la documentación de la época, se halla en el Museo de la Civilización Romana en Roma Eur. La construcción es de madera de nogal, con la cabeza del ariete en metal fundido.



Utensili - Tools - Outillage Gereedshappen - Werkzeuge - Herramientas

Tornio elettrico per legno - Wood working lathe
Holz-drehban - Tour a bois
Electrische houtdraaibank - Torno eléctrico para madera

Art. 8160



Art. 8502

Alimentatore - Transformer - Netzgerät
Alimentation outillage - Voeding - Alimentador
220 V. ac → 9-12-15-18 V. dc 6A

Carta vetrata - Sand-paper - Schleifpapier
Papier de verre - Schuurpapier
Brusni papir - Papel de lija

Art. 8011 grana - grain - Körnung
korrel - gradacija - grano 80
Art. 8012 grana - grain - Körnung
korrel - gradacija - grano 180



23x27 cm.

Art. 8297

Martello professionale - Hammer - Hammer
Marteau professionnel - Professionele Hamer - Kladivo
Martillo profesional



Art. 8298

Mandrino manuale - Pin vise - Hand-bohr-futter - Mandrin à main
Hand spankop - Ročni vrtalnik - Mandril manual

Art. 8263

Coltello leggero in alluminio - Light alu knife
Messer Leichte Ausführung
mit Aluminiumgriff
Couteau léger
en aluminium
Licht mes
in aluminium
Lahek skalpel iz aluminija
Cuchillo ligero de aluminio

Art. 8200 5P.

Lama inclinata
Ersatzklingen
Long angled blade
Lame inclinée
Schuin blad
Poševno rezilo - Cuchilla inclinada



Levigatori a carta vetrata doppia faccia - Double face sanding stick
Schleifer mit 2-Schleifpapieren - Stick à poncer double face
Dvojna brusilna paličica - Schurfblok voor 2-zydig schuurpapier
Pulidor de hoja de doble lija

Grana - Grain - Körnung - Korrel - Gradacija - Grano 80 e 220
Art. 8190 mm 20x80 **Art. 8191** mm 30x100
Art. 8192 mm 40x120 **Art. 8193** mm 50x140
Art. 8194 mm 60x160
Art. 8195 Serie 5 pezzi - Set of 5 pieces - Satz 5 stück
Assortiment de 5 pièces - Komplet 5 kosov
Serie 5 piezas



Art. 8300

Serie limette con impugnatura - Set of files with handle
Nadelfeilen-Set - Set limes avec manche
Set van vijlen met heft - Komplet pil z ročajem
Varías limas con empuñadura

Art. 8178

Mollette di serraggio
Pegs - Pincers - Klammern
Knijpers - Ščipalke
Pinzas de sujeción



Art. 1556

Pennello - Brush - Pinsel - Pinceau - Borstel - Čopiči - Pincel



Art. 8307

Pinza a becchi piatti
Thin nose pliers
Spitzzange
Pince à becs plats
Tang met platte bek
Špičaste klešče
Pinza de picos planos



Art. 8309

Tronchesino
inclinato
Side cutters - Seitenschneider
Couteau incliné - Schuin mes
Poševne ščipalke
Tijera cortahilos inclinada



Colle e vernici: Per la costruzione del modello, raccomandiamo alcuni prodotti da noi testati durante l'esecuzione del prototipo; usando questi prodotti originali Mantua Model, sarete certi di un risultato eccellente, essendo stati studiati e realizzati proprio per questo scopo. Colla vinilica trasparente rapida - colla alifatica - colla cianoacrilica rossa - vernice turapori - vernice tendicarta - stucco bianco leggero.

Cements and varnishes: For the construction of the model, we recommend to use some of the special products we tested during the construction of the prototype. If you use only original Mantua items, you'll be sure of the result; all glues and paints are produced for ship modelling. White transparent glue - aliphatic glue - instant glue - sanding sealer - paper dope - white light putty.

Klebstoffe und Lacke: Für die Konstruktion des Modell empfehlen wir einige bereits von uns getestete Produkte, die wir während der Durchführung des Prototyps angewendet haben; bei der Anwendung dieser Originalprodukte von Mantua Model können Sie sicher sein, ein ausgezeichnetes Resultat zu erhalten, denn sie wurden eigens für diesen Zweck entworfen. Transparenter, schneller Vinylkleber - aliphatischer Klebstoff - roter Zyanacrylharzkleber - Porenversiegelungslack - Papierglätzlack - weißer, leichter Kitt.

Colles et vernis: Pour la construction del modele, nous recommandons quelques produits que nous avons utilisés pendant l'exécution du prototype; en employant ces produits originaux Mantua Model, vous serez certains d'un résultat excellent. Toutes ces colles et peintures ont été étudiées et produites spécialement pour le modélisme naval. Colle vinylique transparente rapide - colle aliphatique - colle cyanoacrylate rouge - bouche pores - vernis "dope" - mastique blanc léger.

Lijmen en de vernissen: Voor de bouw van de model, bevelen wij enkele producten aan die wij gedurende de uitvoering van het prototype hebben gebruikt; door deze originele producten Mantua Model te gebruiken, zult u zeker van een voortreffelijk resultaat zijn. Alle lijmen en verven werden bestudeerd en speciaal voor scheepsmodelbouw geproduceerd. Doorzichtig vinyllische lijm snelle - aliphatische lijm - rode cyanoacrylaat lijm - poriën vuller - vernis "dope" - licht wit plamuur.

Colas y barnices: Para la construcción del modelo, le recomendamos algunos de nuestros productos, que hemos probado durante el montaje del prototipo. Si emplea estos productos originales de Mantua Model, podrá estar seguro de obtener un resultado excelente, ya que han sido examinados y elaborados para dicho fin. Cola vinilica transparente rápida - cola alifática - cola de cianoacrilato roja - barniz tapaporos - barniz celulósico masilla blanca



Art. 1020 100 cc.
Vernice di fondo trasparente per legno
Clear primer for wood
Porenfüller, farblos für Holz
Bouche-pores pour bois
Primer & porienvuller voor hout
Temeljni lak za les, hitro sušec
Barniz de fondo transparente para madera



Cianoacrilato
Super glues
Sekundenkleber
Colles cyanoacrylates
Secondenlijm
Sekundno lepilo
Cianoacrilato

Art. 1565 20 gr.



Vernice acrilica spray
Acrylic spray color
Acrylic spray farbe
Couleur spray acrylique
Kleuren spray acrylic
Pintura acrylic spray

Art. 1530 400 ml
Transparente - Clear - Farblos
Transparent - Kleuren - Transparente



Art. 1015 SUPER-GLUE
Colla vinilica rapida - White glue
Wasserfester weißleim - Colle blanche
Witte houtlijm - Belo lepilo
Cola vinilica rápida

Art. 1016 ALI-GLUE
Colla alifatica rapida - Aliphatic glue
Wasserfester aliphaticleim
Colle aliphatique - Alifatische houtlijm
Hitro lepilo - Cola alifática rápida

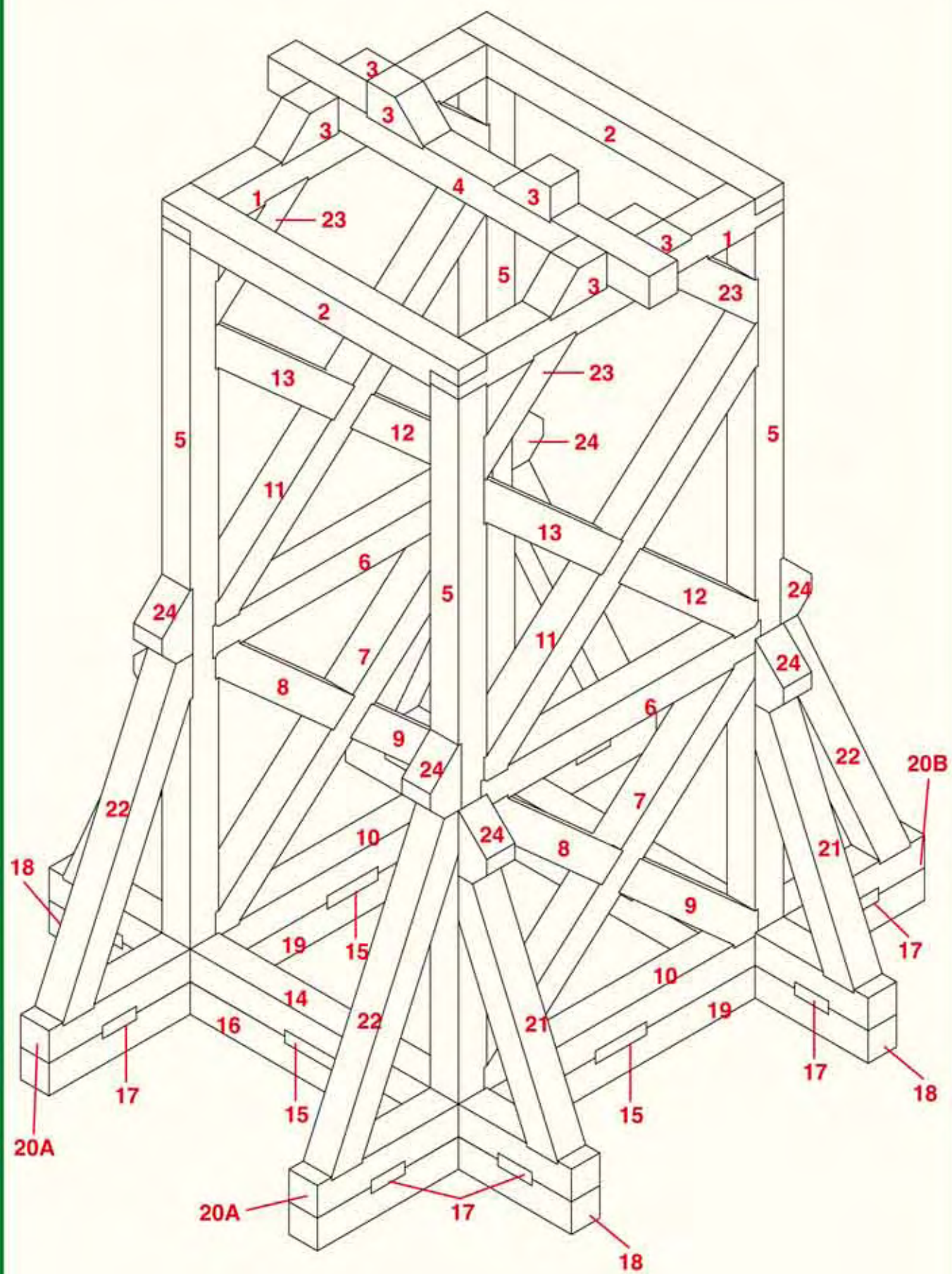
1015 1016



Colori acrilici ad acqua per modellismo navale
Wash up acrylic paint for ship builder
Die Acrylic Farbe Seifenwasser für Schiffsmodelle
Couleurs acryliques à base d'eau pour modélisme naval
Acrylkleuren voor modelbouw-water oplosbaar
Pinturas acrilicas al agua para modelismo naval

Art. 1750 - 1751 - 1752 - 1753 - 1754 - 1755

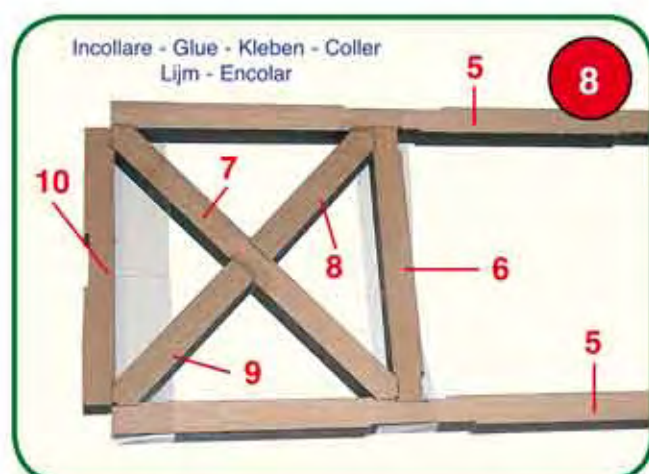
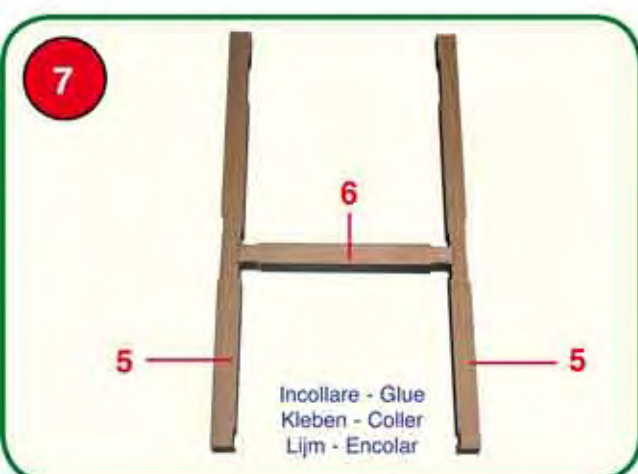
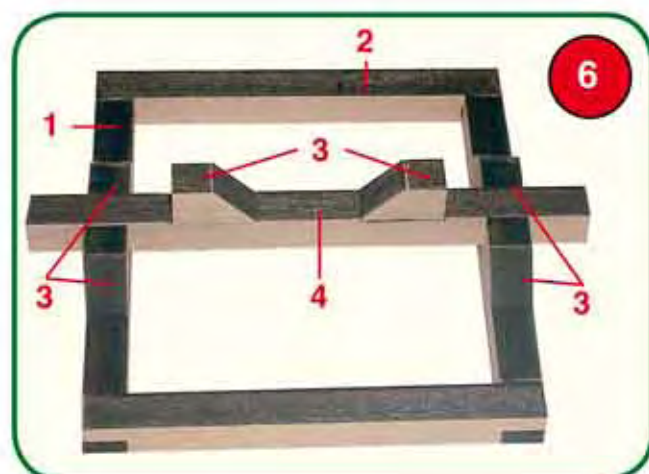
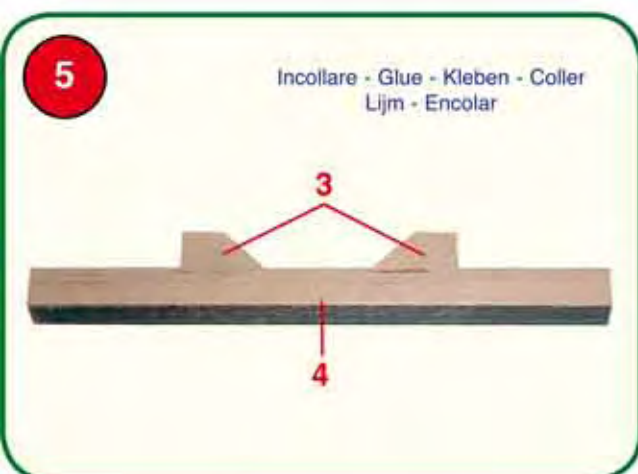
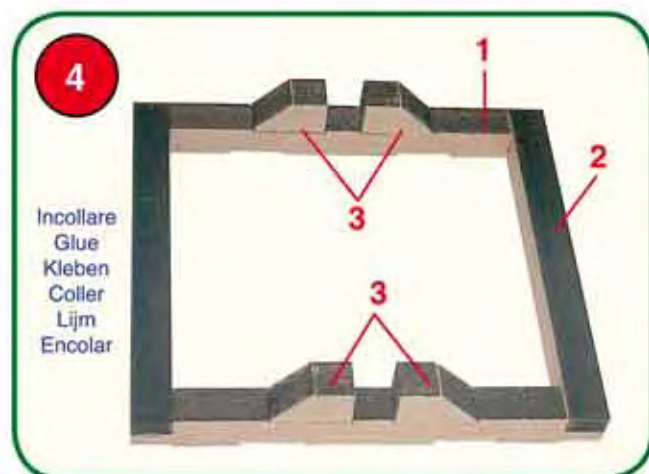
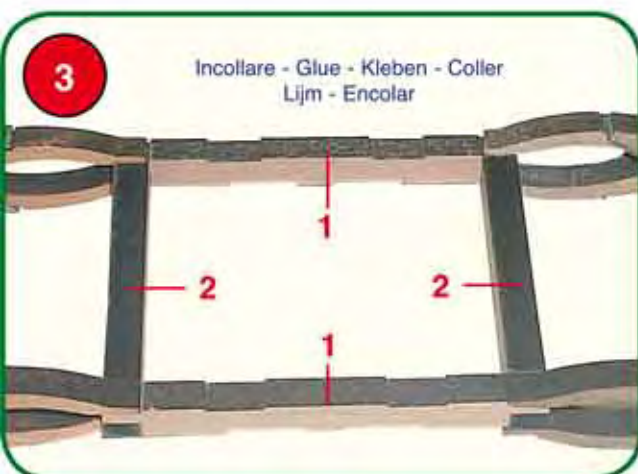
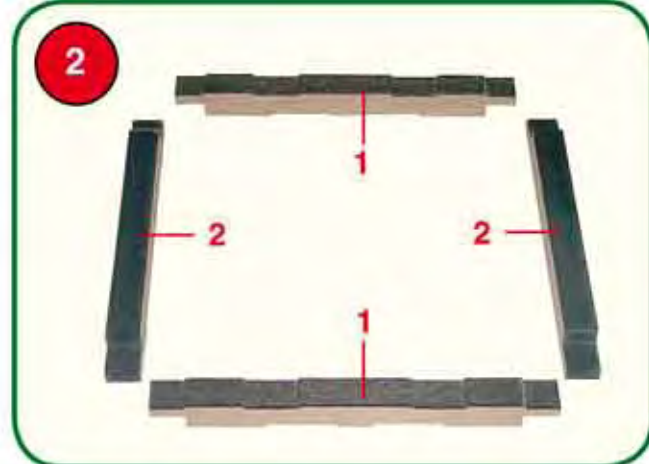
**ATTREZZATURA - COLLE E VERNICI NON COMPRESSE - TOOLS - GLUES AND PAINTS NOT IN THE KIT
WERKZEUG - KLEBSTOFFE UND LACKE SIND NICHT MIT INBEGRIFFEN - ÉQUIPEMENT - COLLES ET VERNIS NON FOURNIS
DE UITRUSTING - LIJMEN EN DE VERNISSEN NIET INBEGREPEN - EQUIPAMIENTO - COLAS Y BARNICES NO INCLUIDOS**



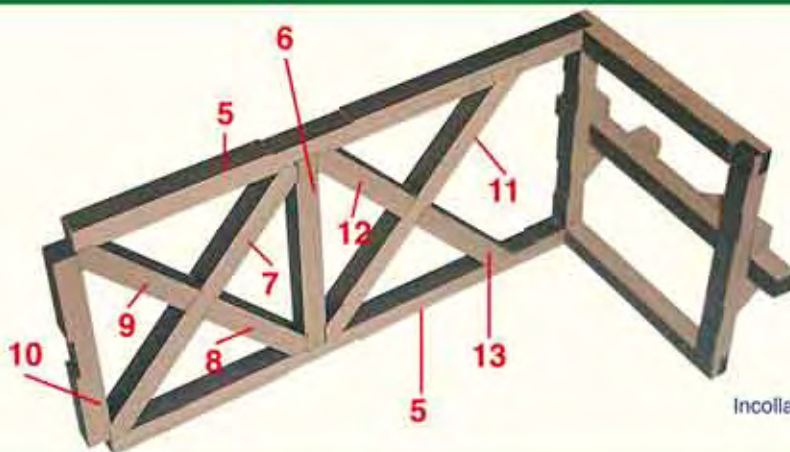


1

Numerare le parti e tagliare i ponticelli
 Number the parts and cut the small bridges
 Die Teilenummern sind im Bauplan wiedergegeben
 und schneiden sie die kleinen Stege durch
 Numérotter les pièces et couper les pontets
 Nummeren van de stukken en snijd de bruggen
 Numerar las piezas una a una y cortar los puentes

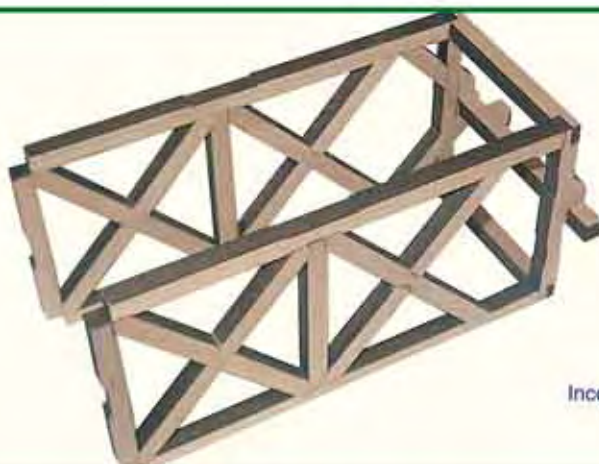


9



Incollare - Glue - Kleben - Coller
Lijm - Encolar

10



Incollare - Glue - Kleben - Coller
Lijm - Encolar

11

Incollare - Glue - Kleben - Coller
Lijm - Encolar

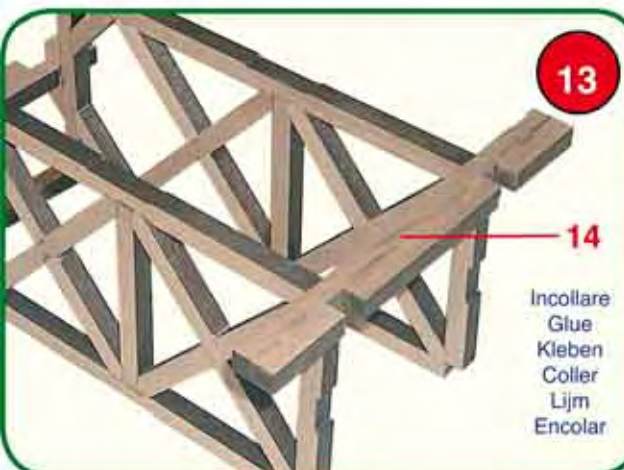


12

Incollare - Glue - Kleben - Coller
Lijm - Encolar

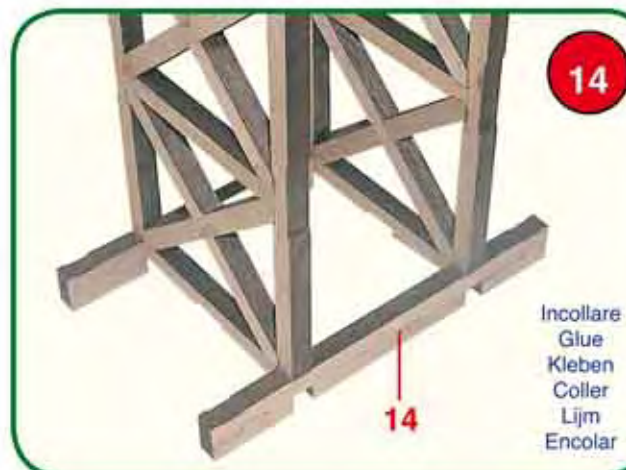


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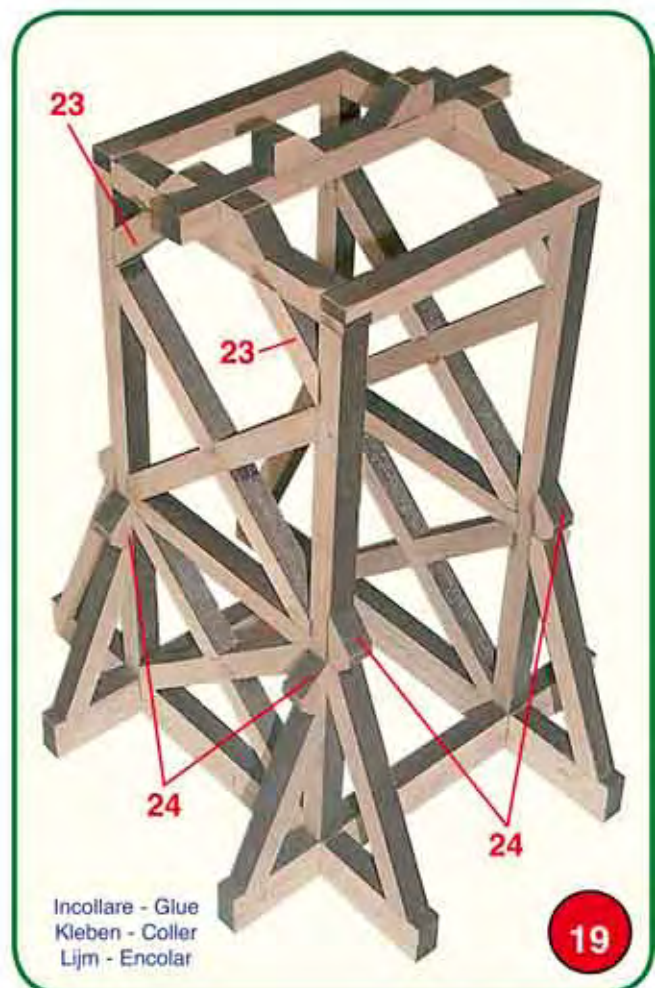
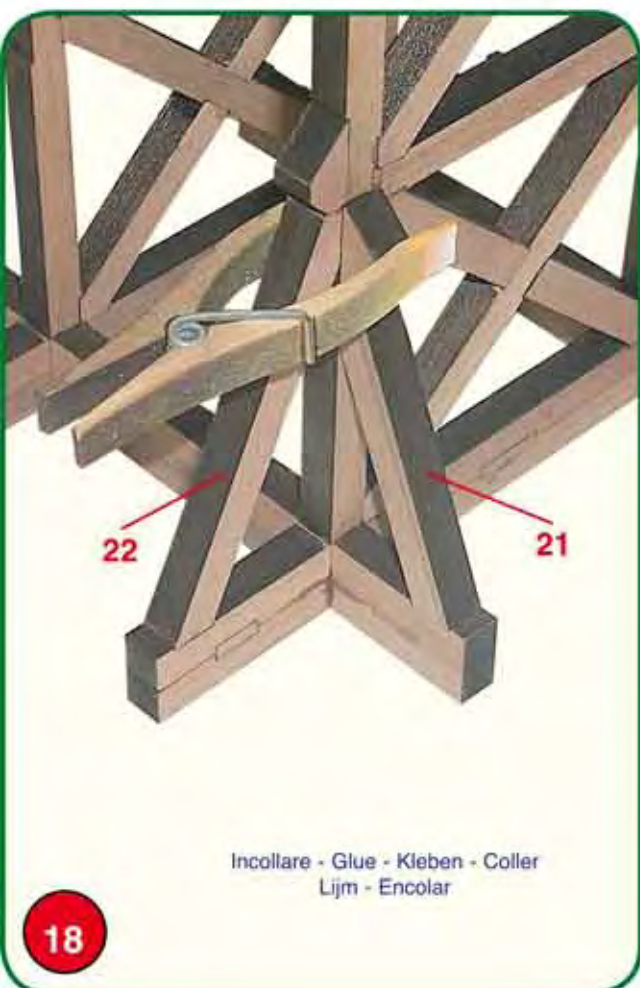
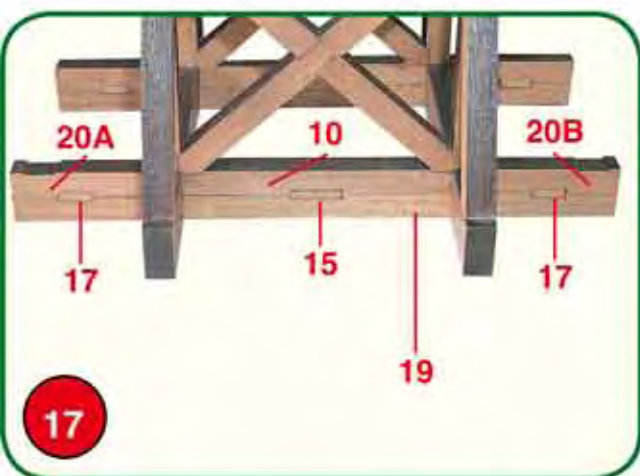
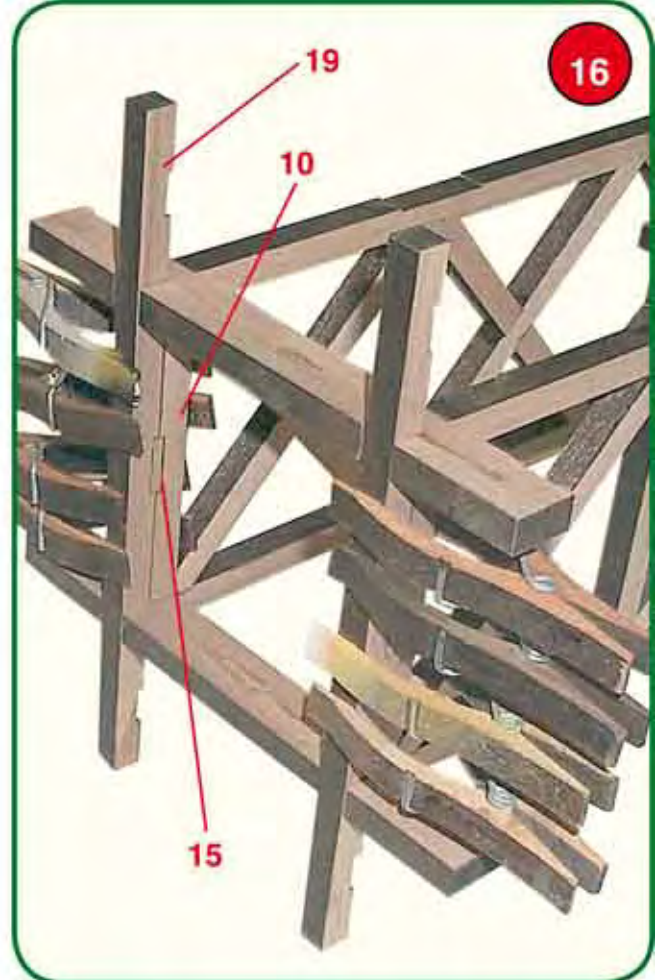
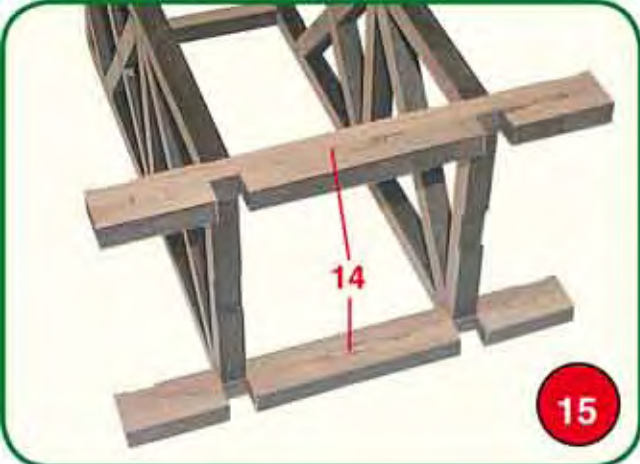


Incollare
Glue
Kleben
Coller
Lijm
Encolar

14



Incollare
Glue
Kleben
Coller
Lijm
Encolar



20

25



Incollare - Glue - Kleben - Coller
Lijm - Encolar

21

Tondino - Dowel - Rundholz
Rond - Rondhout - Varilla
ø 25,5x340 mm

26



Carteggiare - Sand - Schleifen - Poncer
Schuur - Lijar

22

Tondino - Dowel - Rundholz
Rond - Rondhout - Varilla
ø 25,5x340 mm

26



23

26



25

Verniciare noce anticato - Paint antique walnut
AntickeNußbaum lackieren - Vernir noyer ancienne
Vernissen antieke notelaar - Pintar nogal antigua

Consigliato - Recommended - Empfohlen
Recommandé - Geadviseerd - Recomendado
Art. 4530973

Canapa - Rope - Takelgarn
Cordage - Touw - Hilo
ø 1,75 mm

26

27

26

26

26



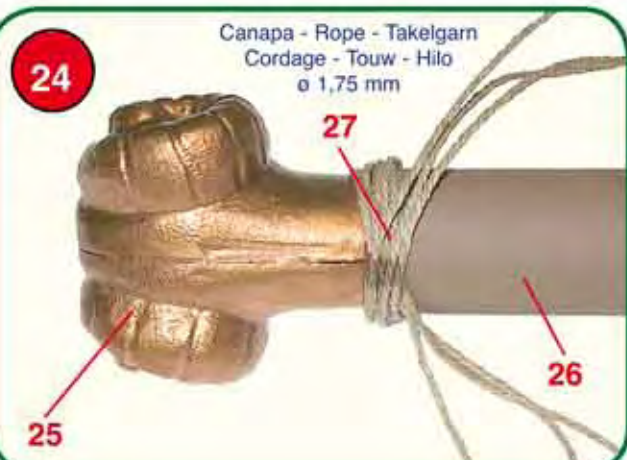
24

Canapa - Rope - Takelgarn
Cordage - Touw - Hilo
ø 1,75 mm

27

26

25



25

Canapa - Rope - Takelgarn
Cordage - Touw - Hilo
ø 1,75 mm

27



26

Canapa - Rope - Takelgarn
Cordage - Touw - Hilo
ø 1,75 mm

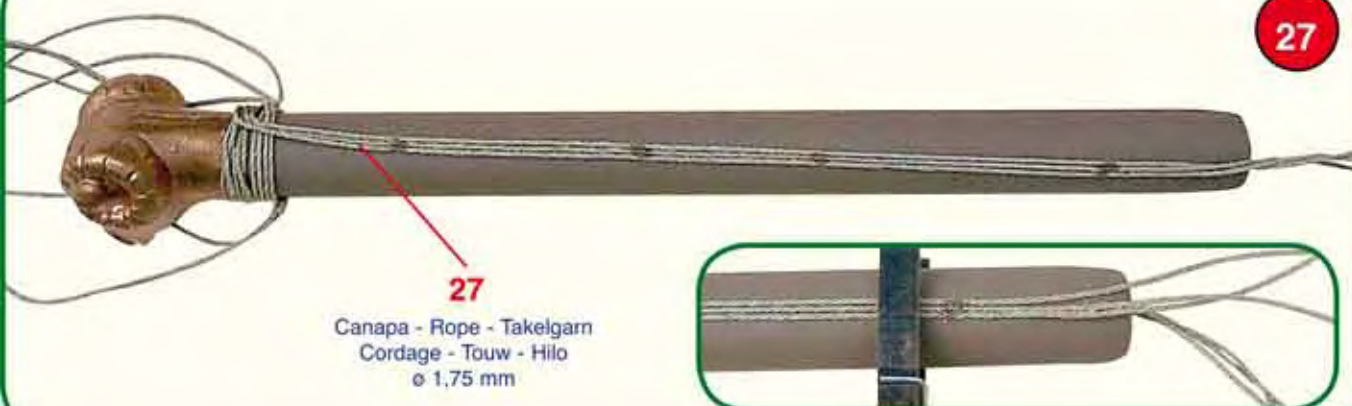
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27

27

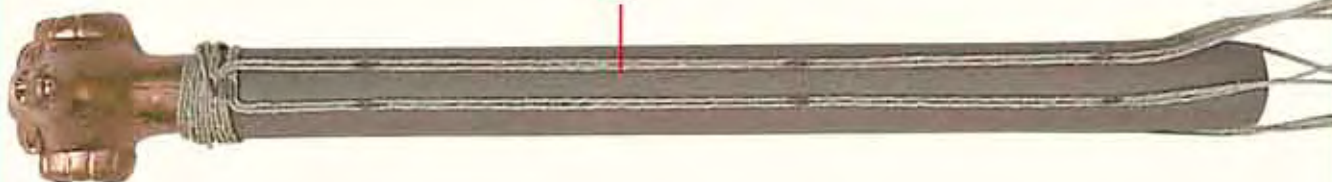
Canapa - Rope - Takelgarn
Cordage - Touw - Hilo
ø 1,75 mm



28

Canapa - Rope - Takelgarn
Cordage - Touw - Hilo
ø 1,75 mm

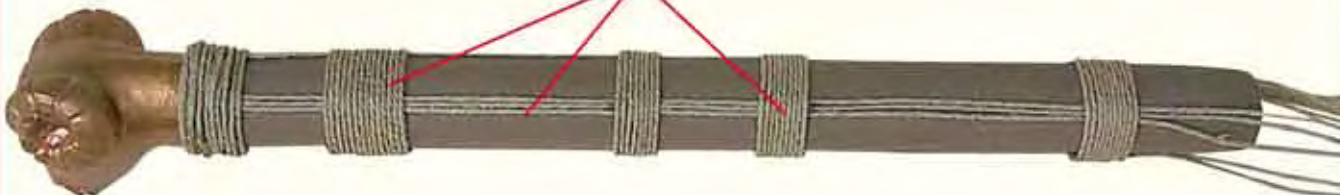
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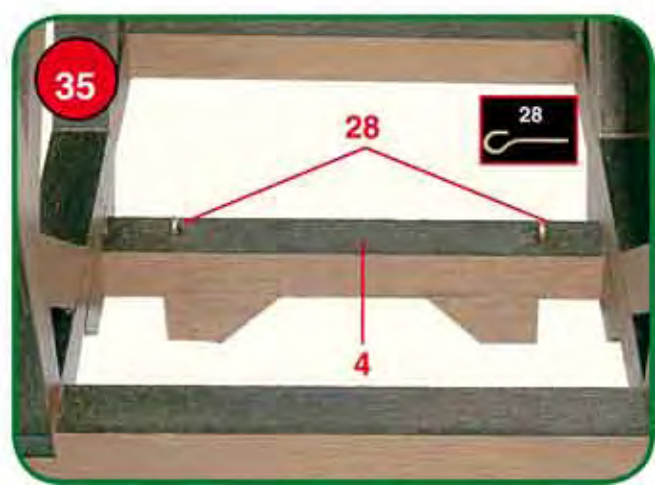
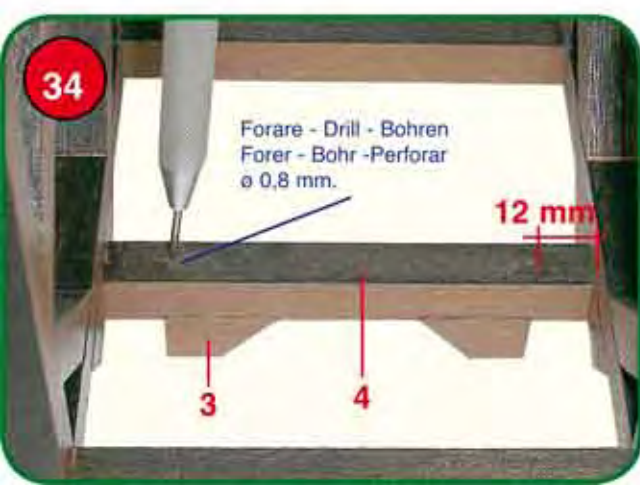
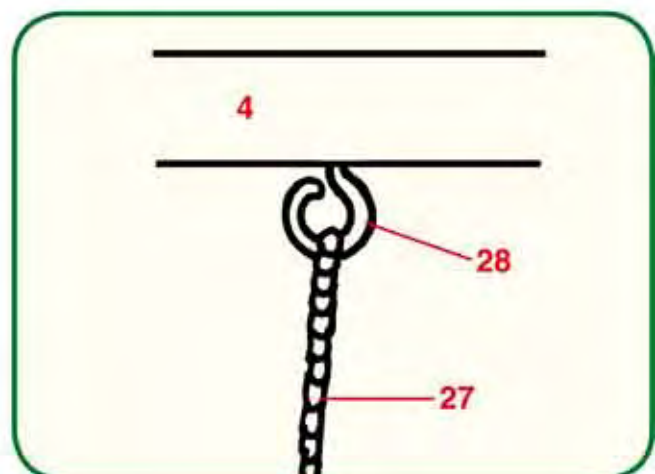
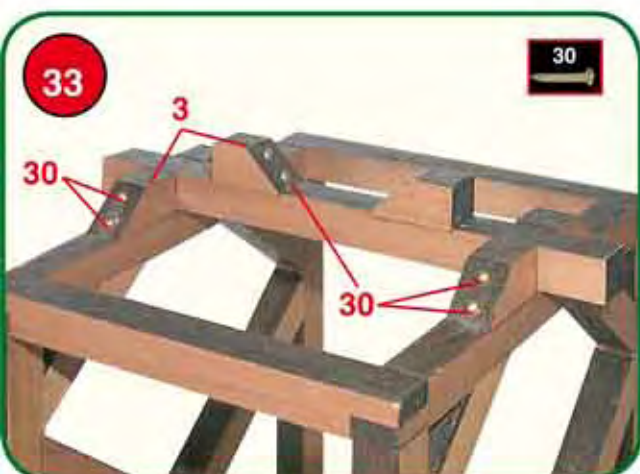
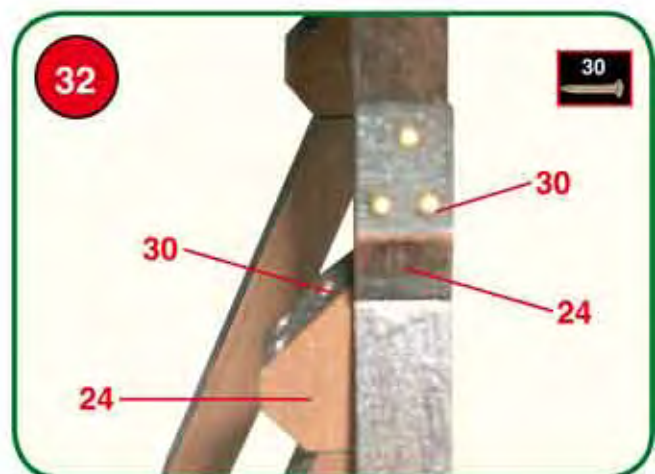
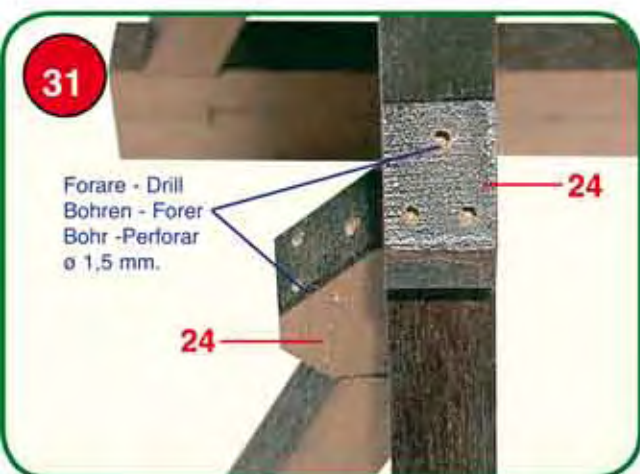
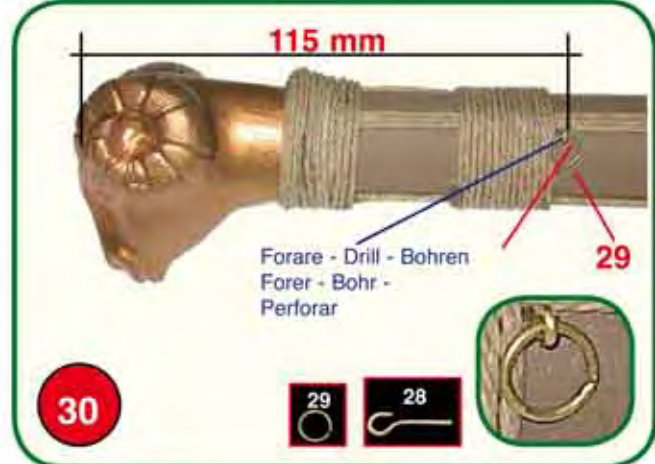
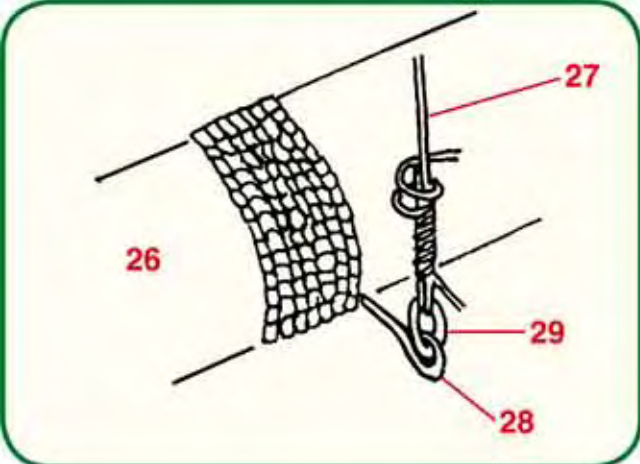


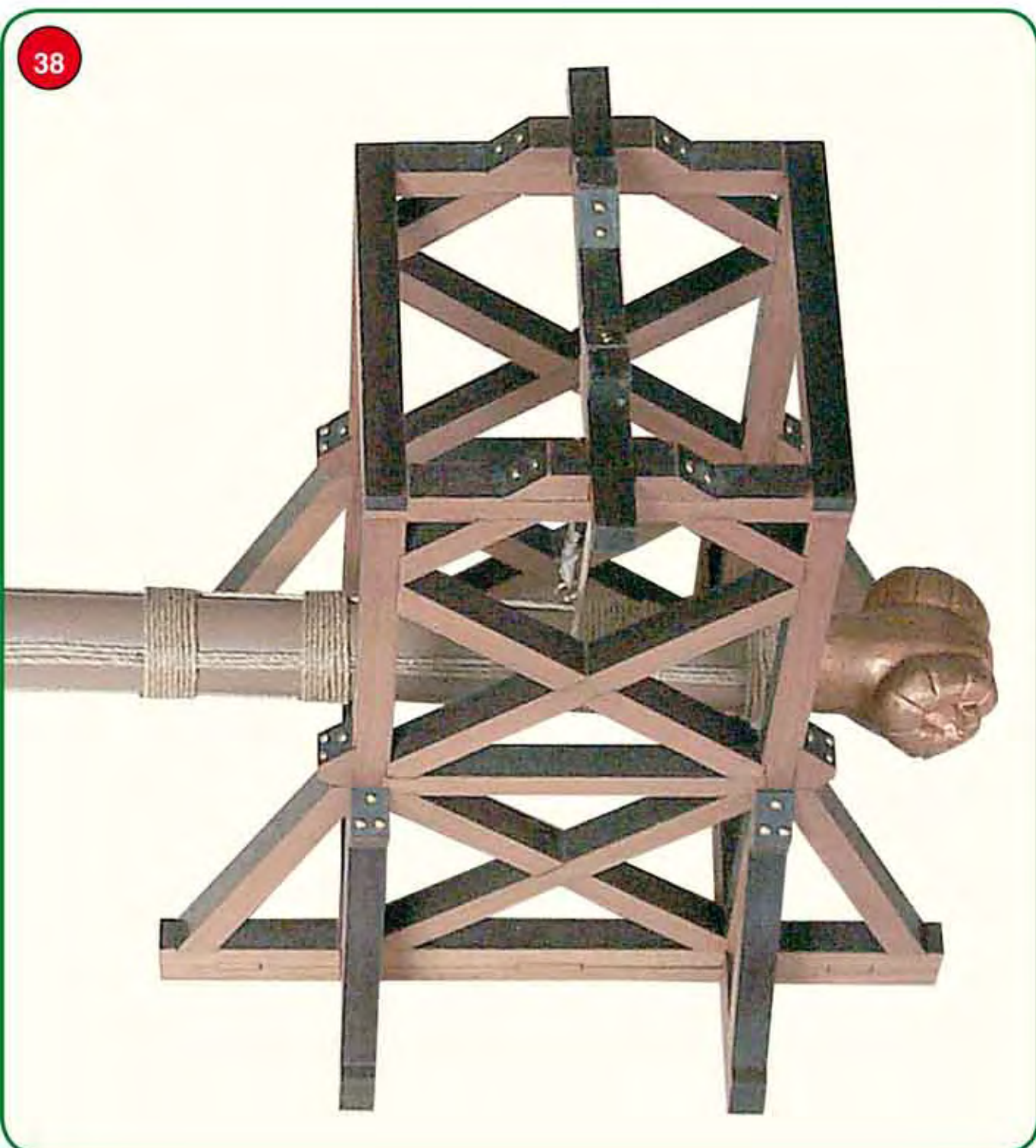
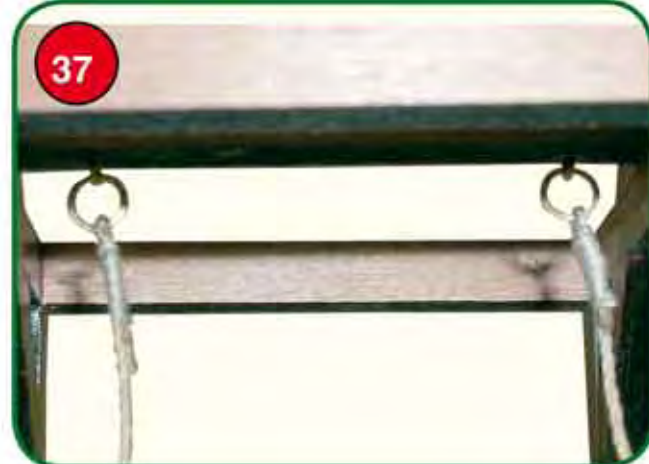
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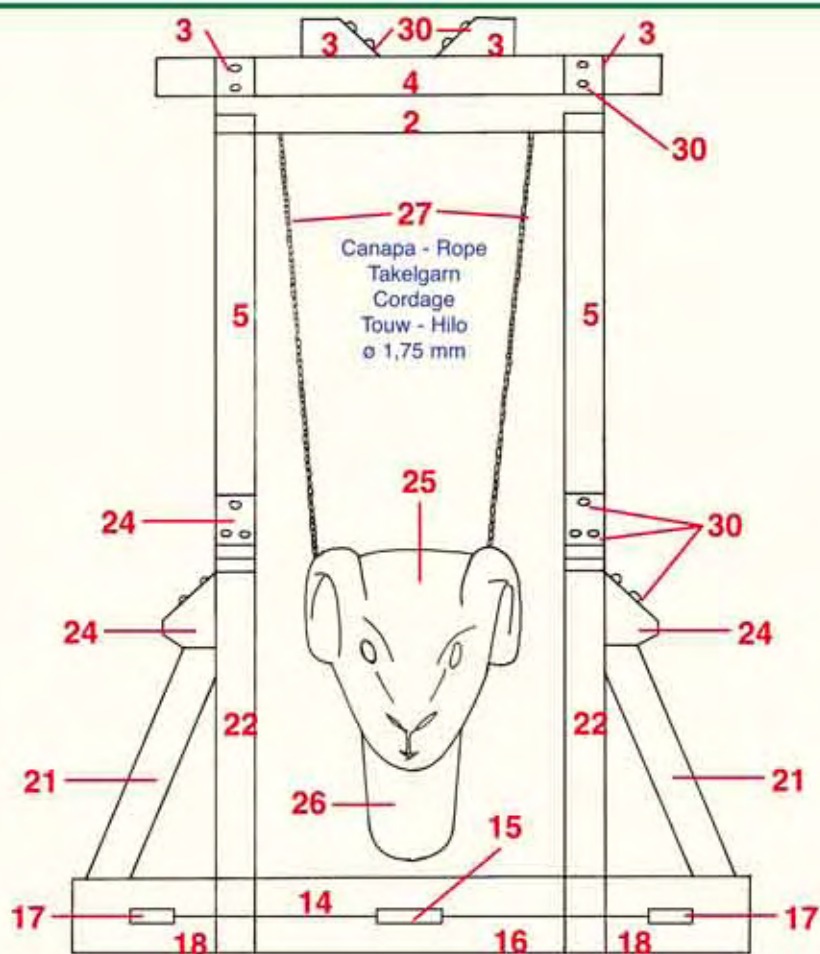
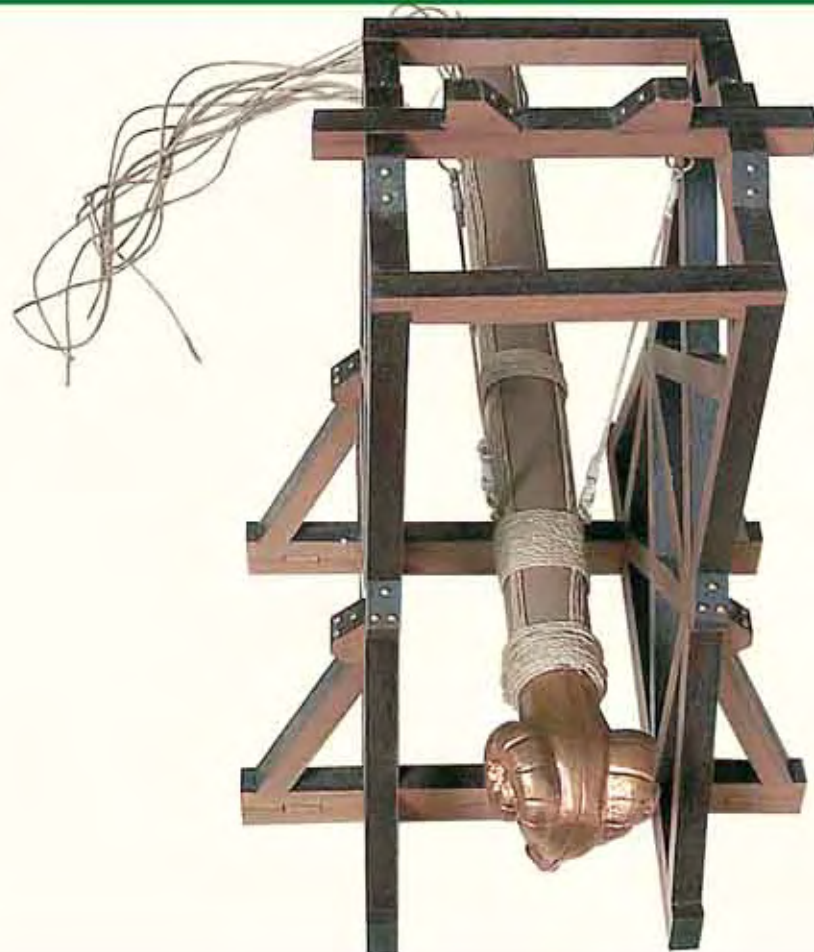
Canapa - Rope - Takelgarn
Cordage - Touw - Hilo
ø 1,75 mm

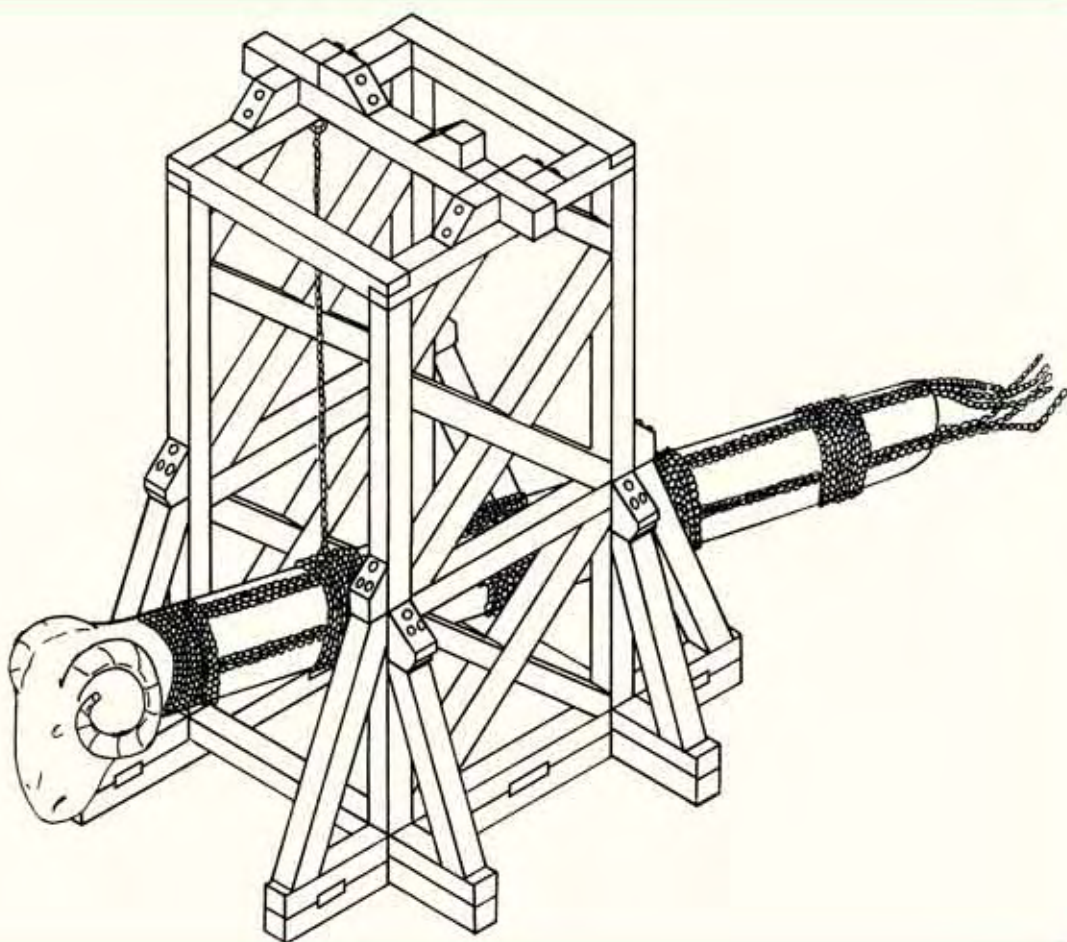
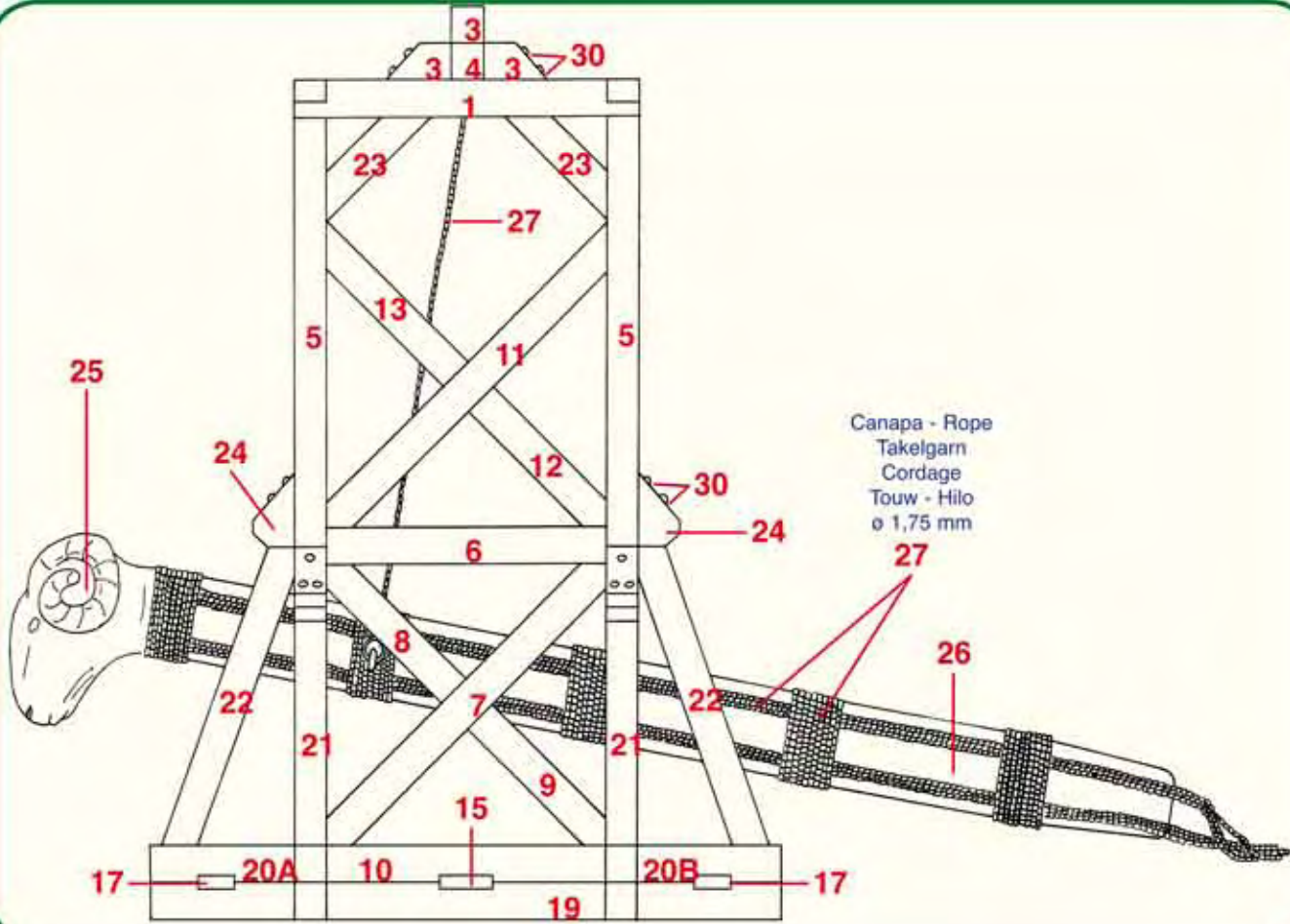
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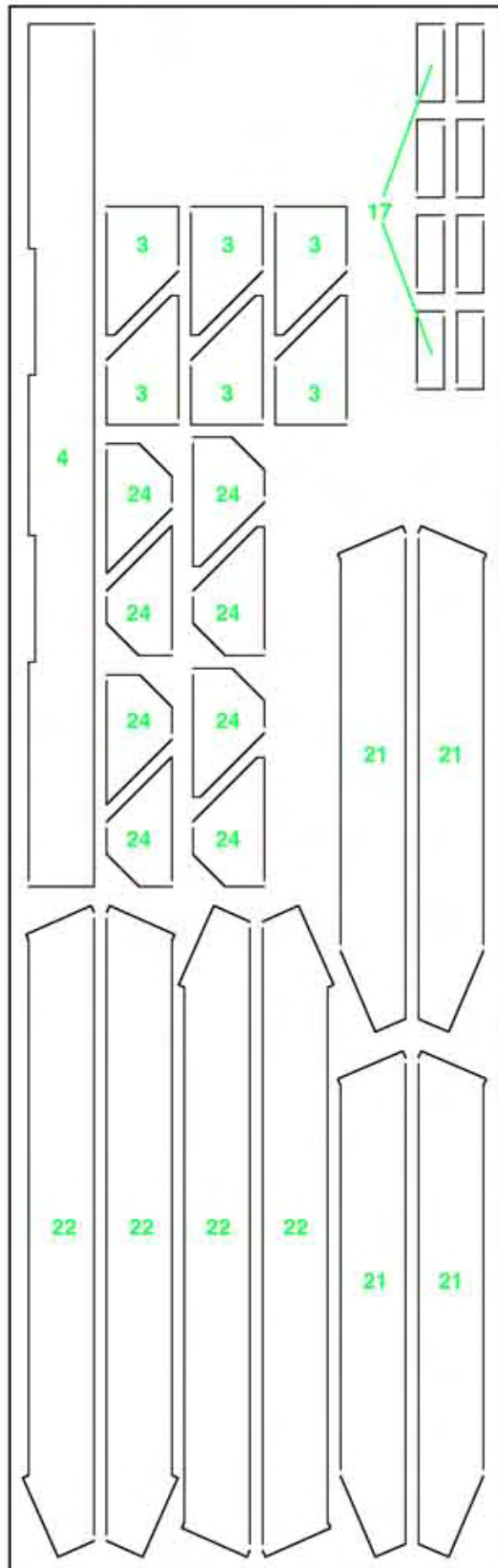
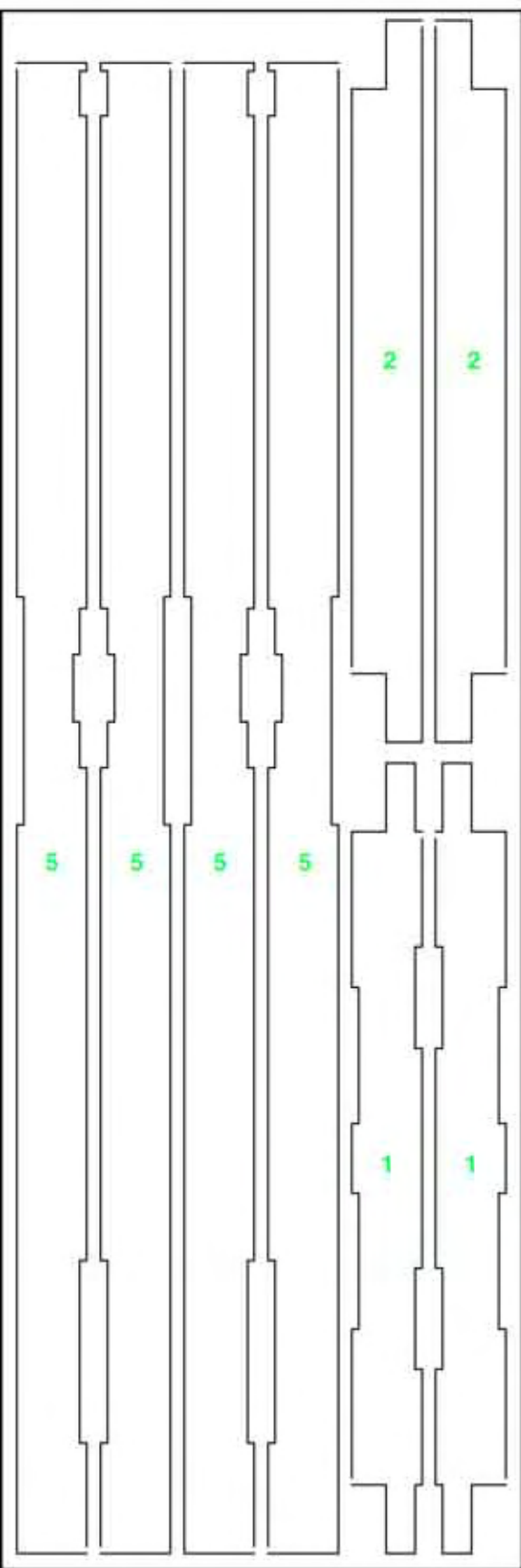


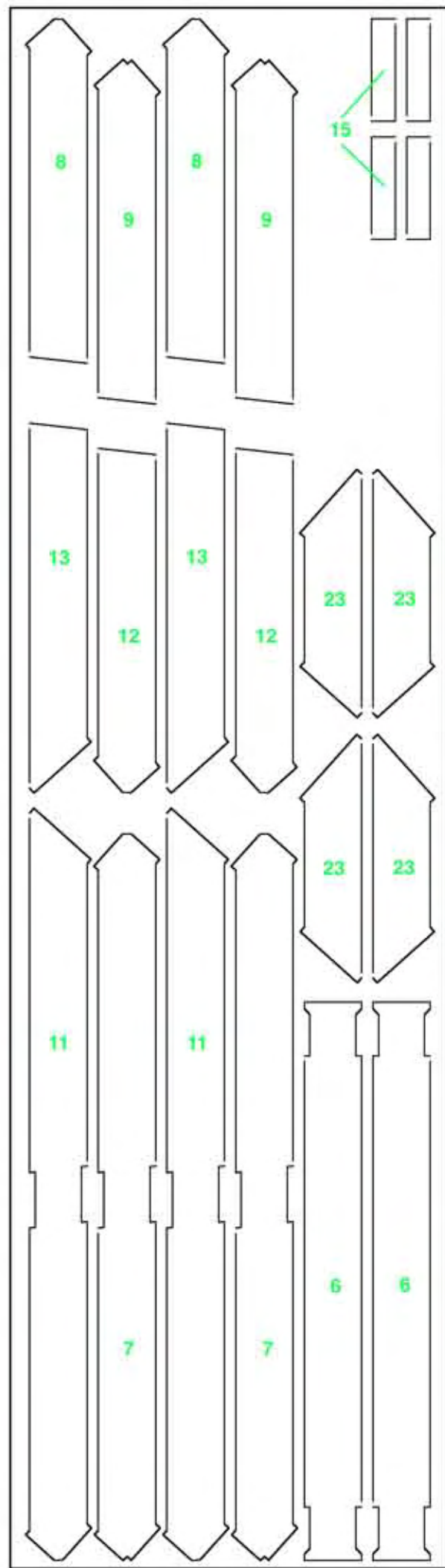
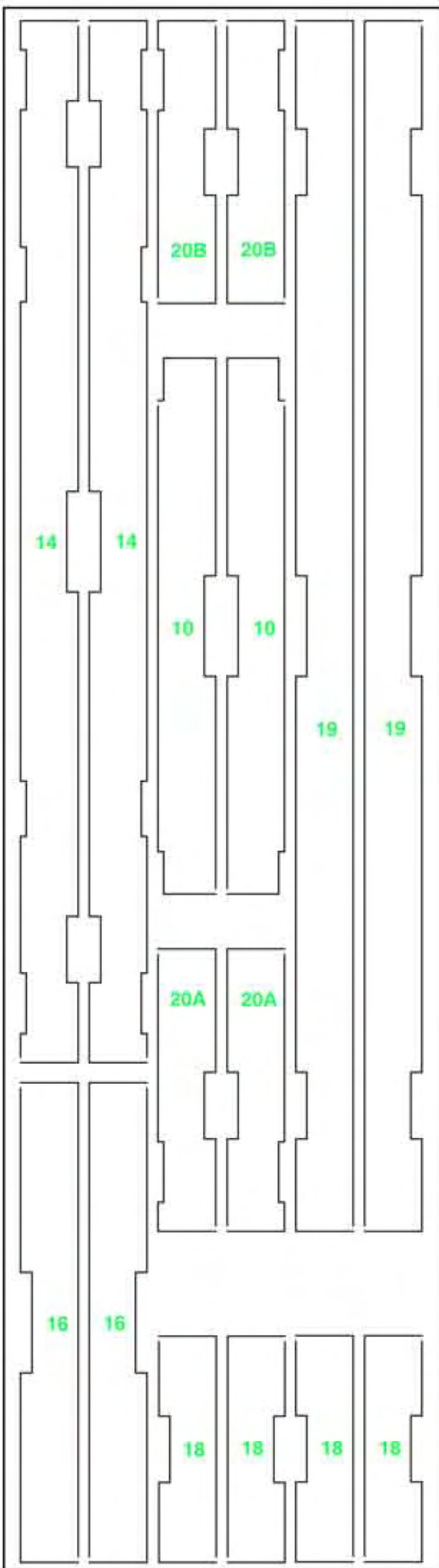












LISTA DEI MATERIALI	MATERIAL LIST	MATERIALLISTE	LISTE DI MATÉRIEL	MATERIALENLIJST	LISTA DE MATERIALES	mm.	Quan. Anz.	Disegno N.
Descrizione	Description	Beschreibung	Description	Beschrijving	Descricion		Aan.	Ident N. Nr.
Tavola laser	Laser plywood	Laser Sperrholz	Laser contreplaqué	Laser buighout	Tabla laser	10x79x248	1	1-2-5
Tavola laser	Laser plywood	Laser Sperrholz	Laser contreplaqué	Laser buighout	Tabla laser	10x79x282	1	6-7-8-9-11-12-13-15-23
Tavola laser	Laser plywood	Laser Sperrholz	Laser contreplaqué	Laser buighout	Tabla laser	10x79x248	1	3-4-17-21-22-24
Tavola laser	Laser plywood	Laser Sperrholz	Laser contreplaqué	Laser buighout	Tabla laser	10x79x282	1	10-14-16-18-19-20A-20B
Testa ariete DX - SX	Ram head, R/L	Widder Kopf	Tête bélier DX -SX	Het hoofd van de ram	Cabeza espolón DX -SX	-	1+1	25
Tondino noce	Walnut dowel	Nußbaum-Rundstäbe	Rond en noyer	Rondhout in notelaar	Varilla de nogal	ø 25,5x340	1	26
Canapa	Rope	Takalgarn	Cordage	Touw	Hilo	ø 1,75	12 mt	27
Canapa	Rope	Takalgarn	Cordage	Touw	Hilo	ø 0,75	1 mt	31
Occhielli	Eye-lets	Augbolzen, verkupfter	Piton	Oogjes	Cáncamo con vástago	ø 3,5x8	4	28
Anelli ottone	Brass ring	Messingringe	Anneaux en laiton	Koperen ringen	Anilla de latón	ø 6	4	29
Chiodini in ottone	Brass nails	Drahstifte, Messing	Clous en laiton	Nagels	Clavo de latón	ø 1,5x7	36	30
Libretto istruzioni	Instruction book	Anleitungen	Instructions	Handleiding	Libro de instrucciones	-	1	-