



VICO Timber Beam Formwork System

COMPANY

PROFILE 企业简介

自创立以来，VICO ENGINEERING以“技术驱动基建创新，服务赋能全球工程”为核心理念，在深耕桥梁、隧道、海事工程及特种结构等重型土木工程领域的基础上，精准洞察民用建筑（简称“民建”）市场需求，打造“重型工程+民建领域”协同发展模式，为全类型工程项目提供从方案研发到现场交付的全链条解决方案，致力于成为连接全球多元工程需求与前沿技术的核心力量。

Since its establishment, VICO ENGINEERING has adhered to the core philosophy of "Driving Infrastructure Innovation with Technology, Empowering Global Projects with Services". While deeply engaging in heavy civil engineering fields such as bridges, tunnels, maritime engineering and special structures, it has accurately grasped the needs of the civil construction market, creating a coordinated development model of "heavy engineering+civil construction", and providing full-chain solutions from R&D to on-site delivery for all types of engineering projects. It is committed to becoming a core force connecting global diversified engineering needs with cutting-edge technologies.



依托VICO Engineering在全球工程服务领域的深厚积淀，VICO ENGINEERING 构建了覆盖前期咨询、方案设计、制造监理、现场调试的高效本地化服务网络，自有VICO ENGINEERING 工厂更是民建模板与模架核心竞争力的关键支撑——作为 模块化装备核心生产基地，工厂以20万平米占地、5个现代化生产车间为硬件基础，延续“设备设计-制造-现场应用”全 流程把控逻辑，配备适配民建模板模架生产的数控设备与全流程质检体系，确保精度对标重型工程标准，更针对民建施工特性 实现差异化突破。例如，标准化民建模板可匹配住宅、商业楼宇通用尺寸，缩短筹备周期；定制化模架能应对异形户型、层高变化需求，借鉴“可拆装、易调整”模块化思路实现快速组装与重复利用，解决民建工期、成本、交付痛点。同时，工厂具备柔性生产能力，可按民建项目需求调整方案，保障产品品质与效率，强化民建领域服务优势。

Relying on VICO ENGINEERING profound accumulation in the global engineering service field, VICO ENGINEERING has built an efficient localized service network covering early consultation, solution design, manufacturing supervision and on-site commissioning. Its own VICO ENGINEERING Factory is the key support for the core competitiveness of civil construction formwork and scaffolding. As a core production base for modular equipment, the factory is based on the hardware foundation of 200,000 square meters of area and 5 modern production workshops. It adheres to the full-process control logic of "equipment design-manufacturing-on-site application" and is equipped with CNC equipment and full-process quality inspection systems suitable for civil construction formwork and scaffolding production. This ensures precision meets heavy engineering standards, and achieves differentiated breakthroughs according to civil construction characteristics. For example, standardized civil construction formwork can match the general dimensions of residential and commercial buildings to shorten the preparation cycle. Customized scaffolding can meet the needs of special-shaped house types and floor height changes, and realize quick assembly and reuse by drawing on the "detachable and easy-to-adjust" modular concept, solving the pain points of civil construction schedule, cost and delivery. At the same time, the factory has flexible production capabilities, which can adjust plans according to civil construction project needs, ensuring product quality and efficiency, and strengthening service advantages in the civil construction field.

产品系列

【模板体系】

- ◇ 120 钢框胶合板模板体系
- ◇ **木梁模板体系**
- ◇ 铝合金模板体系
- ◇ VICO饰面清水混凝土模板体系
- ◇ 106 夹具式钢模板体系
- ◇ 120 全钢模板体系
- ◇ 型材组拼式模板体系
- ◇ 单侧支模体系
-
- ◇ 悬臂模板体系
- ◇ 液压爬模体系
-
- ◇ 150 铝合金顶板模板体系
- ◇ C 型材台模体系
-
- ◇ 桥隧模板体系
- ◇ 异型模板

【脚手架系列】

- ◇ 圆盘系统支撑架
- ◇ 门式脚手架
- ◇ 碗扣式脚手架
- ◇ 轮扣式脚手架
- ◇ 钢管脚手架
- ◇ 可调刚支撑
- ◇ 脚手架配件

【VICO 型材】

- ◇ 冷弯型材
- ◇ 工字木梁

【拆装式房屋】

【典型工程】

【国际合作】

Lists of Product

【Formwork System】

- ◇ 120 Universal Panel Formwork System
- ◇ **Timber Beam Formwork System**
- ◇ Aluminium Formwork System
- ◇ VICO Fair-faced Concrete Formwork System
- ◇ 106 Steel Formwork System
- ◇ 120 All-steel Formwork System
- ◇ Assembled Forming Formwork System
- ◇ Single Sided Formwork System
-
- ◇ Climbing Formwork System
- ◇ Automatic Climbing Formwork System
-
- ◇ 150 Aluminium Slab Formwork System
- ◇ C Forming Tableform System
-
- ◇ Bridge & Tunnel Formwork System
- ◇ Special Formwork

【Scaffolding Series】

- ◇ Ring System Scaffold
- ◇ Frame-connected Scaffolding
- ◇ Cup-lock Scaffolding
- ◇ Ring-lock Scaffolding
- ◇ Steel-tube Scaffolding
- ◇ Steel Props
- ◇ Scaffolding Accessories

【Profile】

- ◇ Cold Roll-forming Profile
- ◇ Timber H Beam

【Prefabricated House】

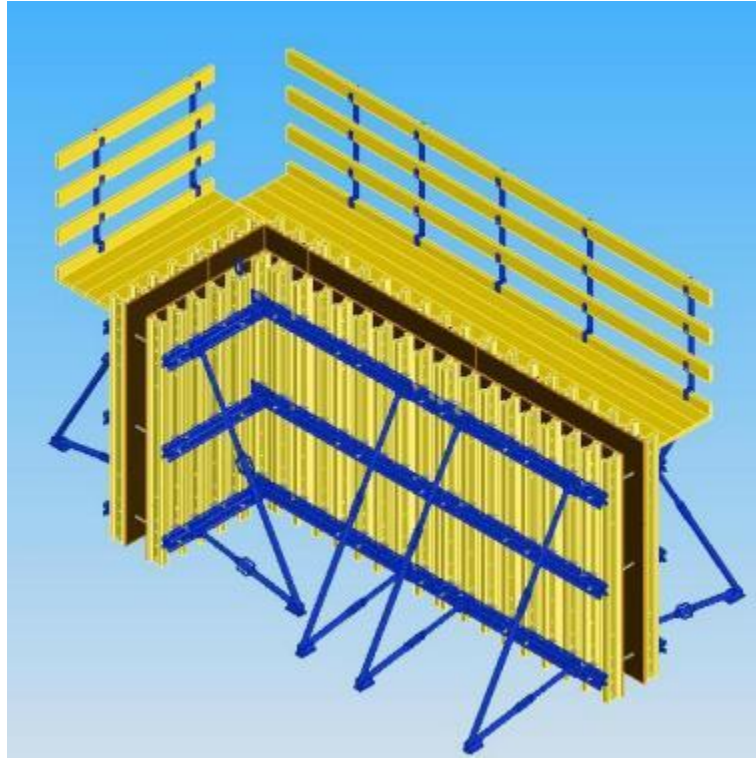
【Typical Project】

【Worldwide Corporation】

●木梁模板体系(Timber Beam Formwork System):

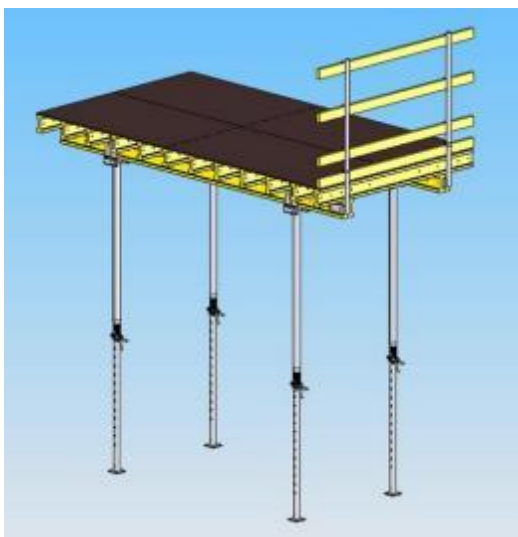
● 木梁模板体系分为木梁墙柱模板体系和木梁顶板模板体系，木梁顶板模板体系又分为：台模体系和散支散拆模板体系。

● H20 Timber Beam Formwork System includes H20 Wall Formwork System and Slab Formwork System which also includes Tableform System and Interspersed Slab Formwork System.



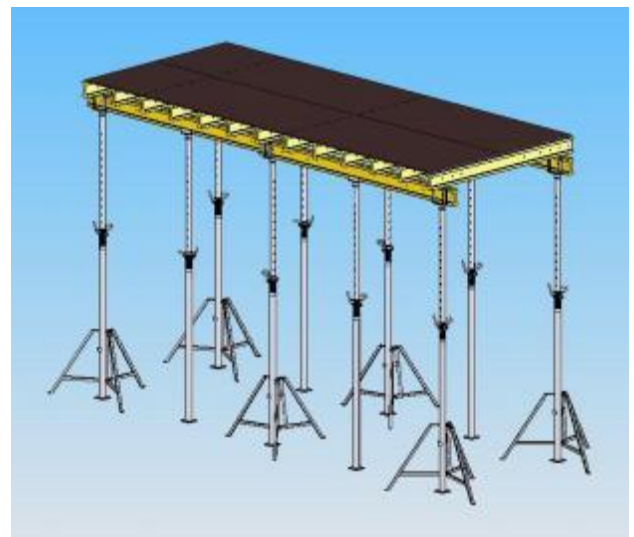
木梁墙柱模

H20 Wall Formwork System



台模体系

Tableform System



散支散拆顶板模板体系

Interspersed Slab Formwork System

● 工字木梁(H20 Timber Beam):

◎ 工字木梁介绍 (Introduction)

● 工字木梁是以实木锯材为翼缘，以多层板或实木锯材为腹板，用耐候胶粘剂粘接成工字型截面，表面采用防腐防水漆涂刷的一种轻质结构构件。

● 在现浇钢筋混凝土结构模板工程中，它与多层板、竖向支撑配套使用可形成水平支撑模板体系；与多层板、斜撑及对拉螺栓等配套使用可形成竖向模板体系。

● 木梁最突出的特点为刚度大、重量轻、承载能力强，造价低廉、重复使用率高。

● It is a light weight, antiseptic, and waterproof component which is with the material of lumber for flange, and plywood for web

● In the reinforced concrete structure of the project, it could be the slab formwork system matching with plywood and the vertical support; It could be the wall formwork system matching with plywood, push-pull props, tie rod and other accessories.

● The characteristics of Timber beam system are: high stiffness, light weight, strong load-carrying capability, low cost, high durability.

◎ 工字木梁特点 (Characteristics)

- 刚度大，重量轻，承载能力强；
- 能大大减少支撑数量，扩大间距和施工空间；
- 装拆方便，使用灵活，易在现场组装及解体；
- 造价低廉，经久耐用，重复使用率高。
- Strong rigidity, light weight, high bearing capacity.
- Minimize the using of steel prop; enlarging the supporting span and erection space.
- On-site dismantling; Easy operation
- Lower aggregate cost; High turnover rate



◎ 技术说明 (Technical Specification)

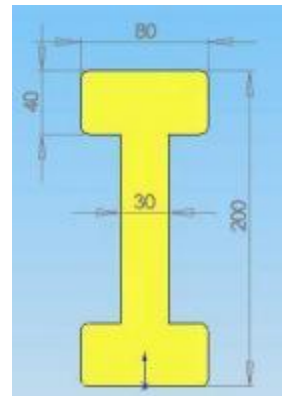
● 工字木梁标准高度为 200mm、宽度为 80mm；翼缘厚为 40mm，腹板厚为 35mm。常用的长度为 1.2m、2.4m、3.0m、3.6m、4.8m。

● 也可根据不同的需要生产不同长度或不同厚度腹板的木梁。

● The standard specification of H beam is 200mm in height and 80mm in width. The thickness of flange is 40mm, and the web is 35mm. The length of 1.2m, 2.4m, 3.0m, 3.6m and 4.8m are all in common use.

● Various length and web thickness could be achieved according to the different requirement.

● 工字木梁规格尺寸及主要技术指标 (Specs and technical parameters for wood H beam)

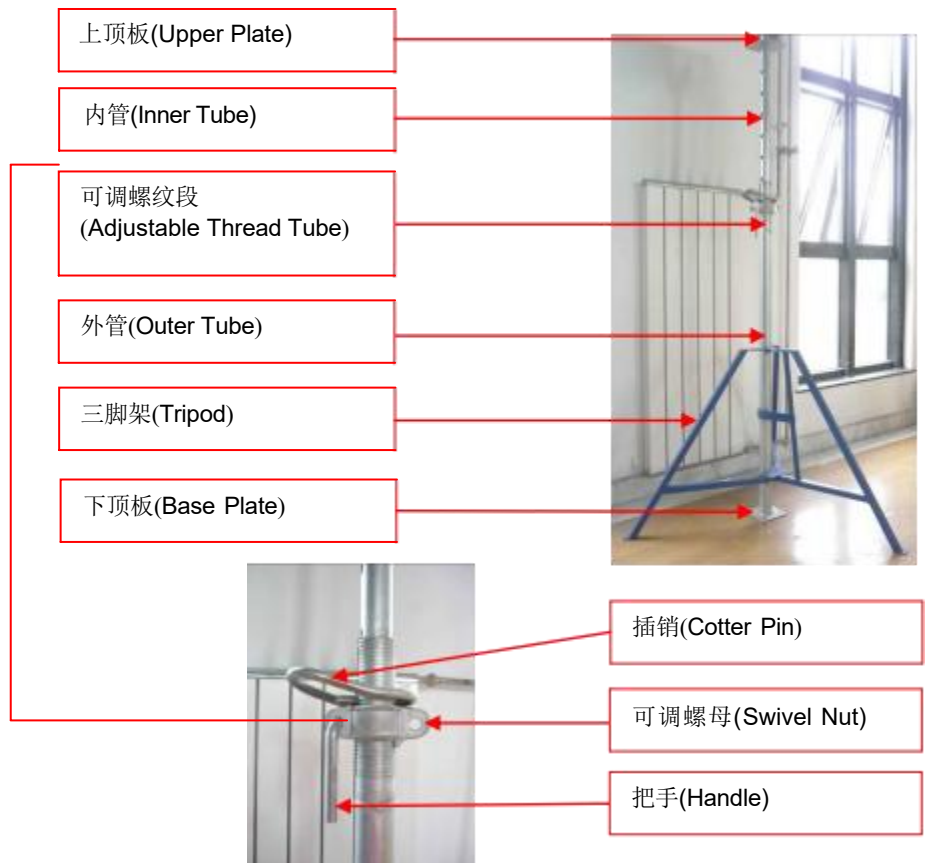


产品名称 Name of Article	木梁高度 Beam Height (mm)	翼缘 Flange Wall (mm)		腹板厚度 Web Thickness (mm)	长度 Length (m)	允许弯矩 Perm. Bending Moment (KN•m)	允许剪力 Perm. Shear Force (KN)	允许挠度 Perm. Deflection
		宽度 Width	厚度 Thickness					
H200 木梁 Wood Beam	200	80	40	30	3.0	5.0	11.2	1/500

● 可调钢支撑(Adjustable Steel Prop):

◎ 可调钢支撑介绍(Introduction)

- 可调钢支撑由外管、内管、可调螺母、插销等组成。
- 螺母丝扣与把手采用特殊设计，操作方便，受力合理。
- 插销的巧妙设计，使其受力好，强度高，不易丢失，整套钢支撑的整体性好。
- 本独立钢支撑在施工应用时，比普通钢管脚手架或碗扣架节省时间 20%~30%。
- Adjustable Steel Prop consists of outer tube, inner tube, adjustable thread tube, cotter pin and so on.
- The special design of nut and handle makes the easy operation and reasonable load come true.
- The Cotter Pin is with the advantages of high strength, reasonable load, and stable.
- The erection time will be saved by 20 % to 30%, when the steel prop is in use.



◎ 技术说明(Technical Specification)

可调钢支撑主要技术指标 (Technical data for the adjustable steel props)

型号 Model	编号 Article No.	外管 Outer tube(mm)	内管 Inner tube(mm)	最大长度 Max.H (mm)	最小长度 Min.H (mm)	可调长度 Extension range(mm)	螺母升程 Counter nut raise range(mm)	理论重量 Theoretical W(kg)	安全载荷 Safe load(KN)	
									最大长度时 Max.L	最小长度时 Min.L
I 型	15080130	φ60×3	φ48×3	3000	1800	1200	120	16.7	26	48
	15080136			3600	2200	1400	120	20	18	46
	15080141			4100	3000	1100	120	22.8	14	26
II 型	15080230	φ60×3.5	φ48×3.5	3000	1800	1200	120	18	30	50
	15080236			3600	2200	1400	120	22	21	50
	15080241			4100	3000	1100	120	25	16	30
III型	15080330	φ76×3.5	φ60×3.5	3000	1800	1200	120	22	50	50
	15080336			3600	2200	1400	120	25	42	50
	15080341			4100	3000	1100	120	28	33	50
	15080348			4500 4800	3000	1800	120	33	28 25	50

注： I 型、II 型材料螺母段采用无缝钢管，其它部分采用焊接钢管；III型材料全采用无缝钢管。

Note: The materials of nut part in Type I and II are the Seamless steel bars, other parts are the common steel bars. The materials of Type III are all Seamless steel bars

◎ 多层板 Plywood

- 面板为覆膜多层板，如： WISA®板或优质国产多层板。
- WISA®板是芬兰肖曼公司生产的一种覆膜多层胶合板， 主要特点有： 板材强度高， 弹性、韧性好、加工尺寸精度高， 表面覆膜强度好， 耐磨性高， 耐久性好， 物理化学性能均匀稳定等， 正常使用周转次数可达 40 至 60 次， 提高施工效率， 节省施工成本。
- 优质国产多层板经常用于周转率低的工程项目中， 其周转次数在 10 次以内。
- Use the plywood as the panels, plywood panels could be Wisa®-form or home-made plywood with high quality.
- WISA plywood is made by Schauman wood company in Finland, there are many advantages: high-strength, flexibility, good toughness, size and high precision machining, surface strength with plastic film, high wore resistance, durability, physical and chemical properties of uniform stability and so on. The effect of concrete surface is very perfect in image, normal use of turnover up to 40 To 60 times. This plywood effectively improves the turn over rate of panels and reduces the costs.
- The high quality home-made plywood is suitable for the lower turn over project, the time of its turnover is less than ten.



WISA®板
Wisa®-form Plywood



优质国产多层板
Home-made Plywood

木梁墙柱模板体系 (H20 Wall Formwork System)

● 体系介绍： Product Detail

◎ 体系属于无框木梁胶合板模板体系。

◎ 由 18mm 厚多层板面板、200mmx80mm 木工字梁、双 10#槽钢背楞、木梁连接扣件、挑架、斜撑、阳角对拉器、直角芯带、直芯带、穿墙螺栓、PVC 套管、套管堵头、吊钩、销子等零配件组合而成。

◎ 该体系广泛应用于建筑、水利水电、桥涵、高耸构筑物等各类工程上的混凝土模板工程、房屋木结构、临时设施承重结构等。

◎ This system falls into timber beam universal plywood system without frames.

◎ This system consist of 18mm thickness plywood, 200mm*80mm H Timber Beam, Double 10# channel steel waler, join cards, bracket, push-pull prop, angle tie bracket, connecting plate, tie rod, PVC sleeve, plastic cone, lifting hook, wedge, etc.

◎ This system abroad used in the building, bridge, water and electricity conservancy, timberwork structure, bearing structure of the temporary establishment, concrete formwork projects, and etc.



● 体系特点:

- ◎ 模板面积大、拼缝少、适用性强，可以按需要灵活拼装成各种形状的模板结构，尤其是形状比较复杂的结构，为建筑设计提供了广阔的空间。
- ◎ 刚度大、重量轻、承载能力强，大大减少了支撑，扩大了楼层施工空间。
- ◎ 装拆方便，使用灵活，易在现场组装及解体，使施工速度大大提高。
- ◎ 各连接件标准化程度高，通用性强。
- ◎ 造价低廉，重复使用次数高，从而降低了工程成本。

● Features:

- ◎ Large area, less joint, strong applicability, flexibly to meet different needs of formwork structure especially complicated ones so that provided a better stage for the architectural design.
- ◎ Low cost but high durability: Greatly reduce the project cost.
- ◎ Simple assembly and disassembly, flexible applications, easy and fast operation on site
- ◎ Light weight and strong Load-carrying capability, greatly reduce the quantity of the props, extend the construction space.
- ◎ All connectors are with high standardization, strong generality.

● 体系组成: System assembly

◎ 背楞 Channel Waler

- 背楞用作主肋，采用双 10# 槽钢。
- 背楞的使用，有效的提高了模板的整体强度、刚度和平整度。
- The channel Waler which adopts dual 10 # channel steel works as the main rib.
- The formwork integrate rigidity ,flatness and stiffness has been greatly improved owing to the use of channel waler.



◎ 角模背楞 Corner Waler

- 角模背楞主要用于模板阴角部位。
- 角模背楞在局部需要加强的部位使用，有效的提高了模板的整体强度、刚度和平整度。
- Mainly used in internal corner parts of formwork system.
- Used to strengthening the necessary part and greatly improve the integrate rigidity, flatness and stiffness of the formwork.



◎ 阳角对拉器、钢销与木梁连接扣件 Tie- Yoke D15 , Wedge and Flange Clamp



转角处，两模板间采用阳角对拉器连接固定
Angle Tie Bracket is adopted to connect the formwork when there is a corner.



模板间采用芯带连接，并用钢销固定
The connecting plate are used to connect panels, and with pins to fasten the connection.



木梁与槽钢背楞采用专用扣件连接
The connection between wood H beam and channel waler adopts special connector.



◎ 挑架、斜撑 Scaffold Bracket and Push-Pull Prop

- 木梁墙柱模板体系有配套的挑架和斜撑。
- 斜撑底杆和斜杆均可调节，适用于不同高度和支撑角度的模板。
- 挑架安全、轻质，装拆简便。
- The H20 Wall Formwork System includes bracket and push-pull prop.
- The horizontal and vertical strut of push-pull prop is adjustable to meet different height and supporting angle.
- Bracket is safe, with light weight, and easy to install and dismantle.



◎ 吊钩、穿墙螺栓 Lifting Hook, Tie Rod

- 吊钩是为木梁墙柱模板体系专门设计的，直接固定在木梁上。
- 吊钩与木梁用螺栓连接， 受力合理，吊装方便、快捷。
- Lifting hook which is specially designed to coordinate H20 Wall Formwork System could be fixed to the wood H beam directly.
- Bolt connection; reasonable load; convenient and fast hoisting.



- 采用通丝型对拉螺栓，穿墙套管可选用硬质塑料管或 PVC 套
- 套管堵头应与套管相配套。
- 穿墙螺栓拆装方便，可重复使用，综合成本低。
- Thread-typed tie rod is adopted, and the sleeve could be plastic tube or PVC sleeve.
- The plug should match with the sleeve.
- The tie rod is with the advantages of convenient dismantle, high turnover rate, and low aggregate cost.



● 墙模的组装(The Assembling of Wall Formwork System):

1、模板拼装前用多层板搭设操作平台，操作平台需保证平整度；

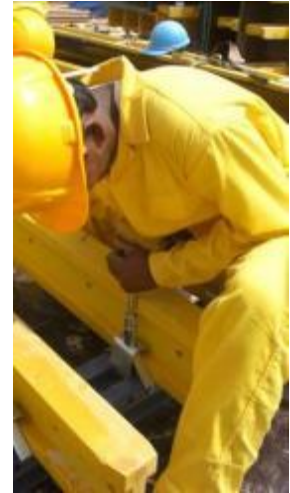
1. A flatness erection platform should be set up before formwork assembling.

2、按照设计图纸要求先组装槽钢背楞，并将槽钢背楞铺设在操作平台上；

2. Laying the channel waler on erection platform according to the actual requirement.

3、摆设工字木梁，并用连接扣件把工字木梁与槽钢背楞连接成一个整体骨架；

3. Display the timber beam, and then connect them with channel waler by clamp.



4、安装吊钩；

4. Install the lifting hook.

5、用自攻螺钉按照 300mm 间距铺设面板；

5. According to the the span of 300mm, the panel should be set down with screw.



6、在模板背面编写模板编号，水平码放整齐。

6. The serial number should be written down in the back of the panel, and then put them in order.

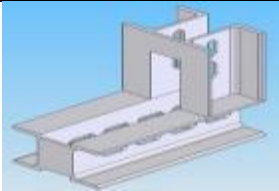


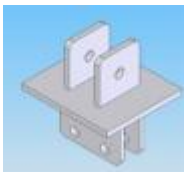
7、斜撑与挑架在模板吊装之前安装。

7. The push-pull prop and bracket should be installed before formwork lifting.



● 部件列表 (Details)

序 号 Serial Number	名 称 Name	编号/代号 Item No./Code	样图 Display	规格 Specifications	单 重 Unit Weight (kg)
1	木梁墙柱模板 体系 Timber Beam System	20624301			64kg/m ²
2	多层板 Plywood			Thickness: 18mm WISA® plywood (plywood made in China)	
3	H200 木梁 Timber Beam			标准长度: Standard Length: 3m,4m,4.9m,5.9m,6m,e tc. H200×80mm	5.5kg/m
4	背楞 Channel Waler	206243002		Dual 10# channel steel	20kg/m
5	角模背楞 Corner Waler	206243005			9.53 kg/set
6	挑 架 Scaffold Bracket	206243003			20.64 kg/set
7	斜 撑 Push-Pull Prop				22 kg/set

序号 Serial Number	名 称 Name	编号/代号 Item No./Code	样图 Display	规格 Specifications	单 重 Unit Weight (kg)
8	铸钢螺母 Cast Steel Wing nut	99090120			0.36 kg/set
9	铸钢垫片 Cast Steel Counterplate	99080120			0.61 kg/set
10	螺杆 Tie Rod			类型(type): 16、T18、T20、D15、D20	1.32/m
11	斜撑 连接件 Triangle Prop Connector				4.17 kg/set
12	吊钩 Lifting Hook	206243004			3.52 kg/set
13	阳角对拉器 Angle Tie Bracket	206243007			3.78 kg/set
14	标准木梁 连接扣件 Flange Clamp				
15	芯 带 Connecting Plate	206243006			8.21 kg/set
16	钢销 Wedge				1.46 kg/set
17	PVC 套管 PVC Sleeve			堵头(Cone)Φ _内 24,螺杆(Tie)D20,PVC 套管(PVC Cone) Φ32×1.5;	0.07 kg/set
18	套管堵头 Plug			堵头(Cone) Φ _内 22,螺杆(Tie) D15、T18,PVC 套管(PVC Cone)Φ30×1.5	

台模体系 Tableform System

● 体系介绍: Introduction

◎ 台模又称“飞模”，为大型工具式模板，利用起重机械从已浇注完成的楼层中吊运至上层重复使用，中途不落地。

◎ 台模体系主要由面板、200mmx80mm 工字木梁、主梁支撑连接件、主次梁连接件、独立钢支撑等产品组合而成。

◎ 组装成台模整体支拆与搬运。

◎ 主要规格尺寸：2.4mX4.8m、2.4mX3.6m、2.0mX4.8m、2.0mX3.6m.

◎ Tableform system, also called flying-form system, can be stock lifting to the up floor, with a high durability.

◎ The tableform system consists of the plywood, wood H beams or steel & wood T beams, prop heads, steel props, frames, etc.

◎ The whole unit can be dismantle and lifted completely.

◎ Standard Dimension : 2.4mX4.8m 、 2.4mX3.6m 、 2.0mX4.8m 、 2.0mX3.6m.



● 体系特点(Characteristics):

◎ 该体系解体后主要部件可以单独使用。

◎ 重量轻、承载能力强。

◎ 装拆方便，使用灵活，易在现场组装及解体，使施工速度大大提高。

◎ 造价低廉，重复使用次数高，从而降低了工程成本。

◎ Main component can be used alone.

◎ Light weight and strong load-carrying capability.

◎ Simple assembly and disassembly, flexible applications, easy and fast operation on site.



● **主要组成构件(Main component):**

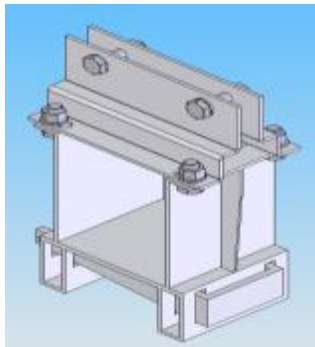
◎ **木梁:** 主、次梁主要采用 200x80 工字木梁。

◎ **Timber Beam:** The main and secondary girder mainly adopt the 200*80 Timber beam.



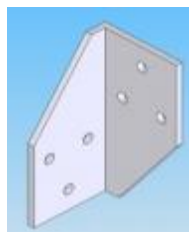
◎ **主梁支撑连接件:** 在台模体系中，用于主梁和独立钢支撑的连接零件，此零件分为上下两部分。

◎ **Connectors between the main girder and steel prop:** Used as the connecting accessories for the main girder and steel prop. This connector consists of the upper and lower parts.



◎ **主、次梁连接件:** 主、次梁连接件主要由主、次梁连接钢板、自攻螺钉组成。

◎ **Connectors for main and secondary H beams:** Consist of connecting steel plate for the main & secondary beams, screw.

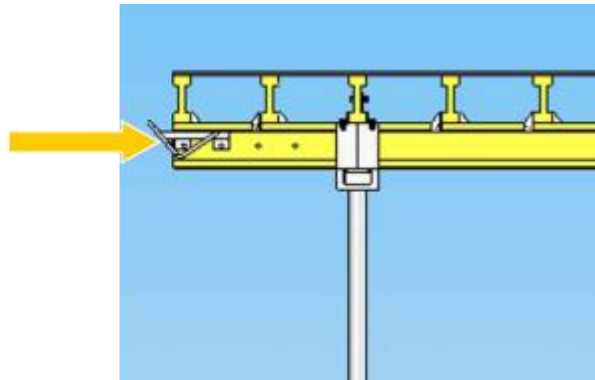
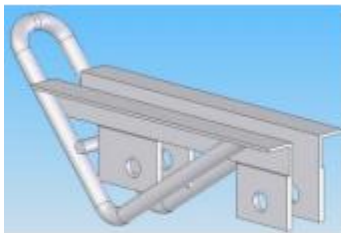


◎ **可调钢支撑**: 可根据荷载大小的不同选用不同型号、不同调节高度的钢支撑。

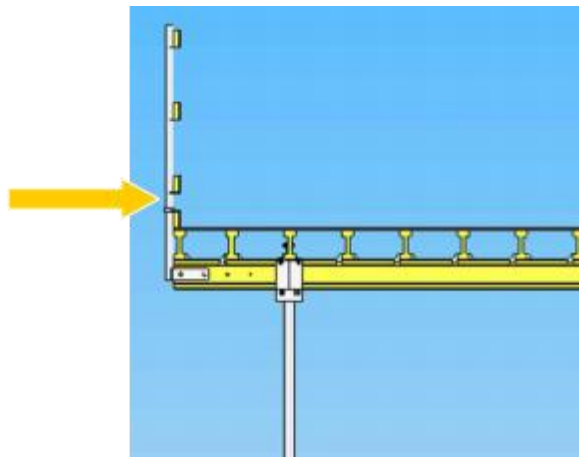
◎ **Adjustable steel prop**: Different standard adjustable props are adopted according to the bearing force.



◎ **吊钩(Lifting Hook)**:



◎ **护栏(Shield)**:



- ◎ 托架：最大载荷 1.5T。
- ◎ Bracket :Max. Load 1.5T.



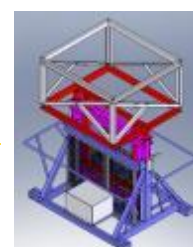
托于次梁上
Fix in the secondary girder



托于主梁上
Fix in the main girder

- ◎ 台车：由牵引车和移动升降车组成，为台模体系的移动工具，液压升降车的极限荷载为 1.5T。

◎ **Trolley**: Consist of hydraulic part and tractor part; act as the tool for movement of the Tableform System. The MAX bearing load of the hydraulic part is 1.5T.



移动升降车
Hydraulic part



牵引车
Tractor part

● 常用台模的规格及主要技术指标(Common used standard and technical parameter):

台模规格 Size		产品编号 Art. No.	重量 Weight	支撑调节范围 Adjustable range of steel prop
长度 Length	宽度 Width		单位 Kg/樘 Kg/set	
5000	3000	20648241	725	2000~3600
				1800~3000
5000	2500	20636241	550	2200~3600
				1800~3000
4200	3000	20648201	605	2200~3600
				1800~3000
4200	2500	20636201	455	2200~3600
				1800~3000

表中台模适用于厚度 260mm 以下的现浇混凝土楼板，板厚如超过 260mm，需重新设计。

The data in the table is applied for the concrete floor thickness less than 260mm .It's need to redesigned if thickness exceed 260mm.

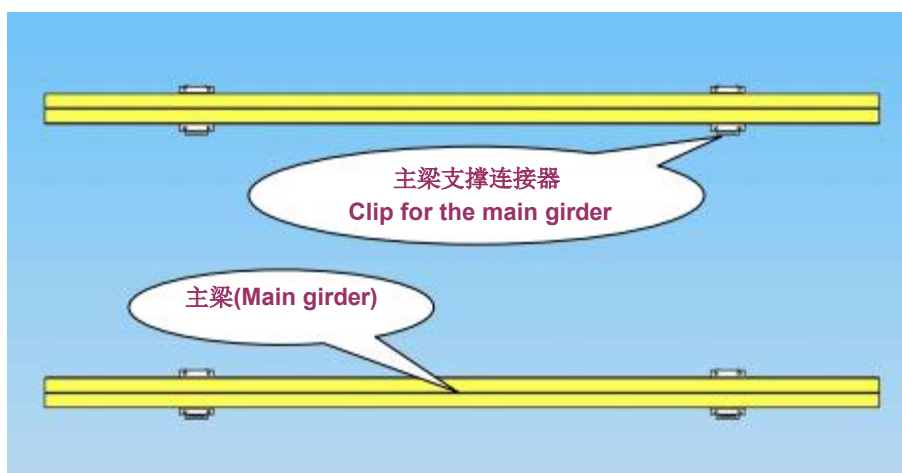
● 台模的组装(Assembly of the tableform system):

1、搭设台模组装平台。

2、按照台模设计图纸安放 4 个主梁支撑连接器，按照图纸尺寸在主梁支撑连接器上安放 2 根木梁。

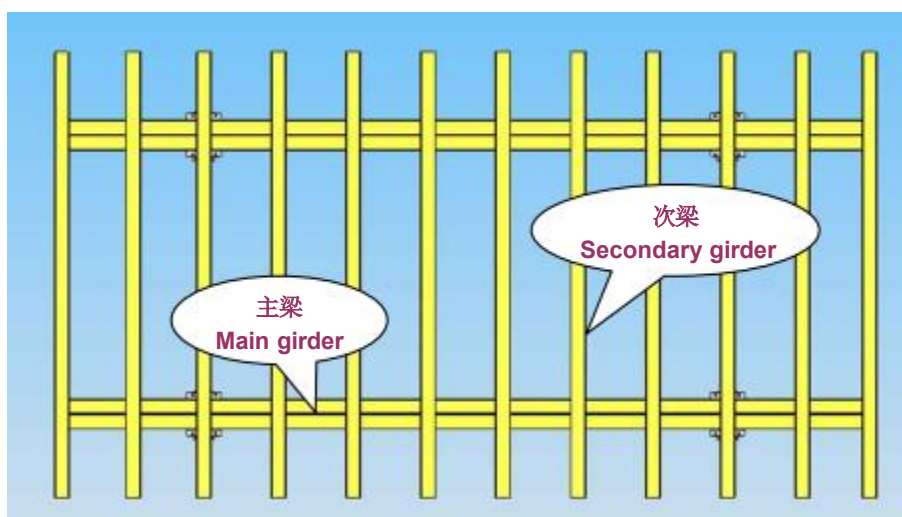
1. Set up the assembly platform.

2. In accordance with design drawing, firstly placed 4 connectors for main & secondary girder, and then emplace 2 pcs timber beams on the connectors.



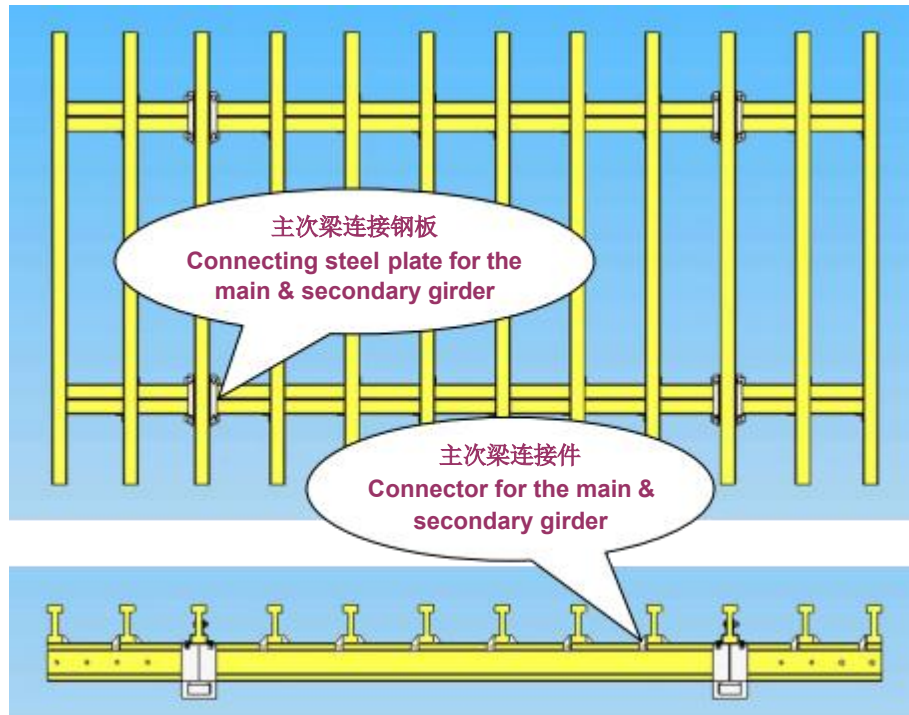
3、在台模主梁上按照图纸尺寸摆放台模次梁。

3. Placed the secondary girders on the main girders in according with the drawing.



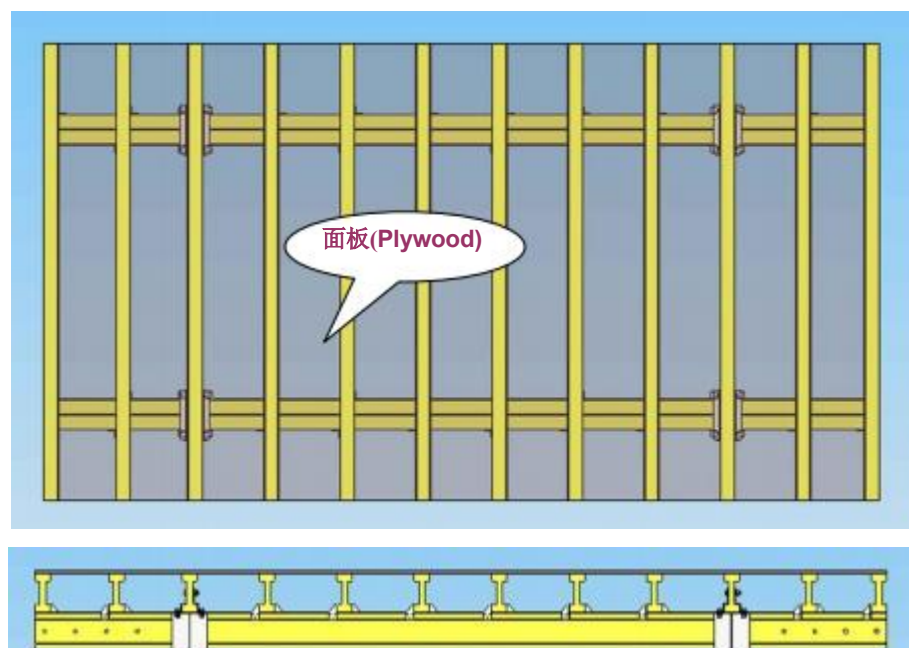
4、用主次梁连接钢板把次梁与主梁支撑连接器连接起来，用主次梁连接件把台模主梁和次梁连接起来。

4. Connect the secondary girders and the connectors for the main girder& steel prop by the connecting steel plate. And then use the connector for the main & secondary girder to link the main and secondary girders together.



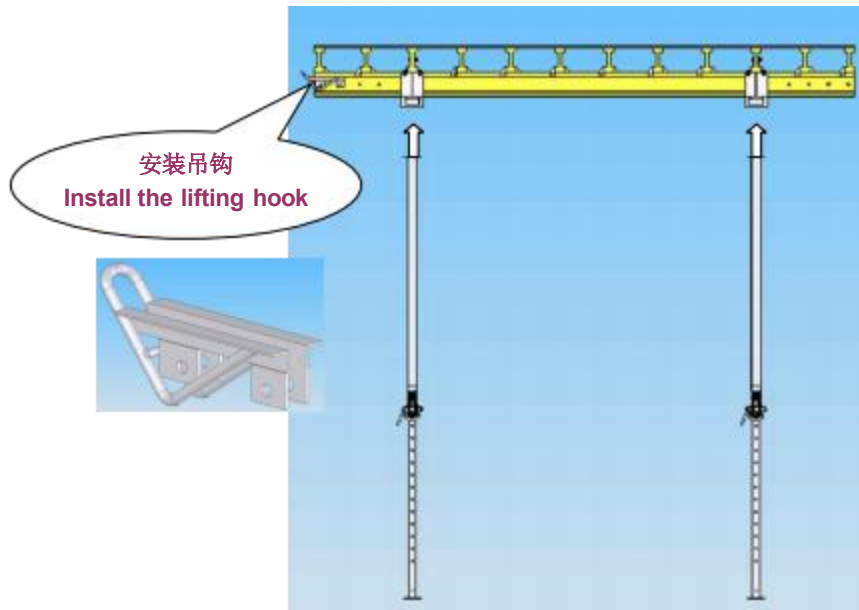
5、台模面板安装，用自攻螺钉把台模面板安装在台模次梁上。

5. Panel assembly in table formwork system. Using the screw to fix the plywood on the secondary girders of the Tableform System.

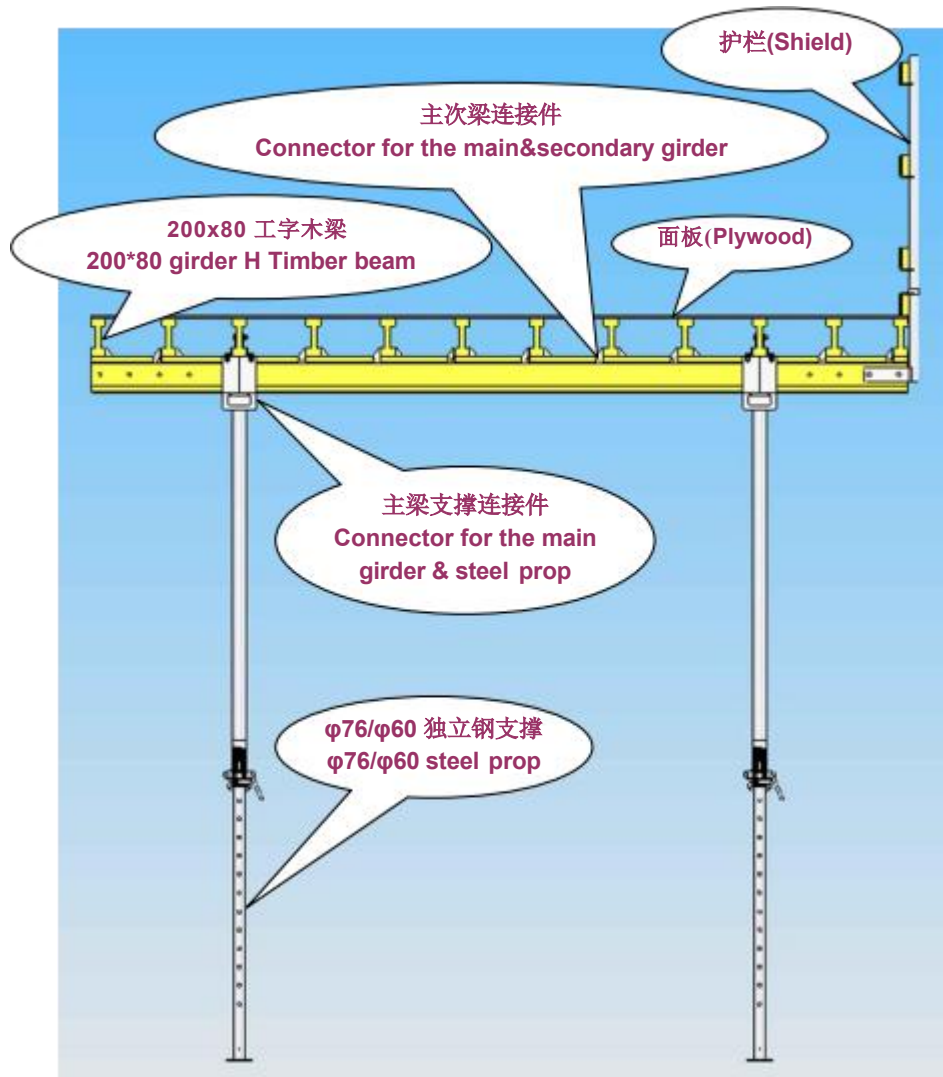


6、台模与支撑安装。用 4 个安装吊钩把以上组装好的部分吊起，把台模钢支撑安装在主梁支撑连接件上，楔紧销子。

6. Install the tableform on the steel props .Lifting the complete part by four lifting hooks, and fix the steel props to the connector for main girder & steel prop, and then hammer the pin tightly.



7、台模组装完成图如下(The complete assembly is as follows):



● 台模的施工方法(Construction method)

◎ 台模在楼层内水平移动和升降(The horizontal movement of the tableform system)

台模在楼层内水平移动和升降使用台车，台车包括液压升降车（分为手动和电动两种产品）和水平移动牵引车。先用液压升降车把台模降下来，然后用水平移动牵引车把液压升降车和台模运至楼边，再用台模托架把台模吊至上一层。

The trolley consists of hydraulic part (hand-actuated or electric-actuated) and tractor part. First put the tableform system down by hydraulic part, then carry the hydraulic part and the table form system to the floor side, and lift the tableform system to the up floor by bracket.



◎ 台模在楼层间垂直移动(The vertical movement between floors)

台模托架可以托在台模主梁或次梁上。台模托架必须位于台模的中线位置，避免偏重导致出现问题。

Brackets can be braced by the main girder or secondary girder, but the secondary girder is favorable. Brackets must be located in the location of the center line to avoiding problems.

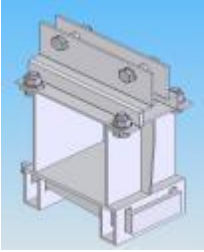
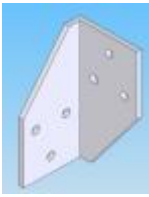
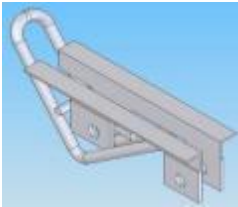
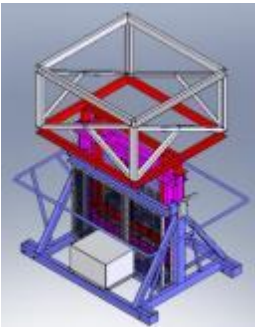


● 台模的局部处理(Details processing)



● 部件列表 (Details)

序号 Serial Number	名 称 Name	编号/代号 Item No./Code	样图 Display	规格 Specifications	单 重 Unit Weight (kg)
1	木梁顶板模 板体系 Tableform System	20644241			50kg/m ²
2	多层板 Plywood			Thickness: 18mm WISA® plywood (plywood made in China)	
3	H200 木梁 Timber Beam			标准长度: Standard Length: 3m,4m,4.9m,5.9m,6m,etc. H200×80mm	5.5kg/m
4	护栏 Shield	206151504			9.62 kg/set
5	可调钢支撑 Adjustable Steel Prop	15080130		型号(Type): Φ 外 76/Φ 内 60(Φ 外 60/Φ 内 48)	16.7kg/set
		15080136			20kg/set
		15080141			22.8kg/set
		15080230			18kg/set
		15080236			22kg/set
		15080241			25kg/set
		15080330			22kg/set
		15080336			25kg/set
		15080341			28kg/set

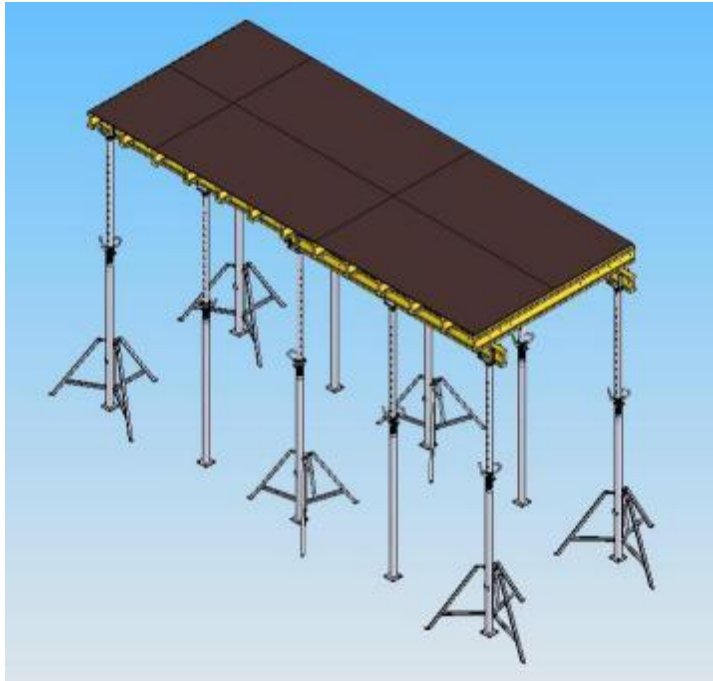
		15080348			33kg/set
序号 Serial Number	名 称 Name	编号/代号 Item No./Code	样图 Display	规格 Specifications	单 重 Unit Weight (kg)
6	主梁支撑 连接件 Clip	206151503			13.00 kg/set
7	主次梁 连接件 Join Cards	206151501			0.20 kg/set
8	吊钩 Lifting Hook	206151505			2.54 kg/set
9	托架 Bracket	206151506		最大载荷 1.5T	607.2 kg/set
10	牵引车 (tractor part)	206151508			
11	移动升降车 (hydraulic part)	206151507		极限荷载为 1.5T	500.00

散支散拆顶板模板体系(the Interspersed Slab Formwork System)

● 体系介绍: Introduction

该体系由多层板、工字木梁、独立钢支撑、多卡头、U 托和三角架组合而成。

This system includes plywood, H 20 Timber Beam, steel props ,U Head, Tripod, Four-way Head, etc.



● 体系特点(Features):

◎ 装拆方便，使用灵活， 易在现场组装及解体，体系解体后主要部件可单独使用。

◎ 重量轻、承载能力强。

◎ 造价低廉，重复使用次数高，从而降低了工程成本。

◎ On-site dismantling, easy operation, convenient storage and transportation. Main accessories use separately.

◎ High stiffness, light weight, strong load-carrying capability.

◎ Lower aggregate cost; High turnover rate.



● **主要组成构件(Main Accessories):**

◎ **木梁:** 主、次梁主要采用 200x80 工字木梁。

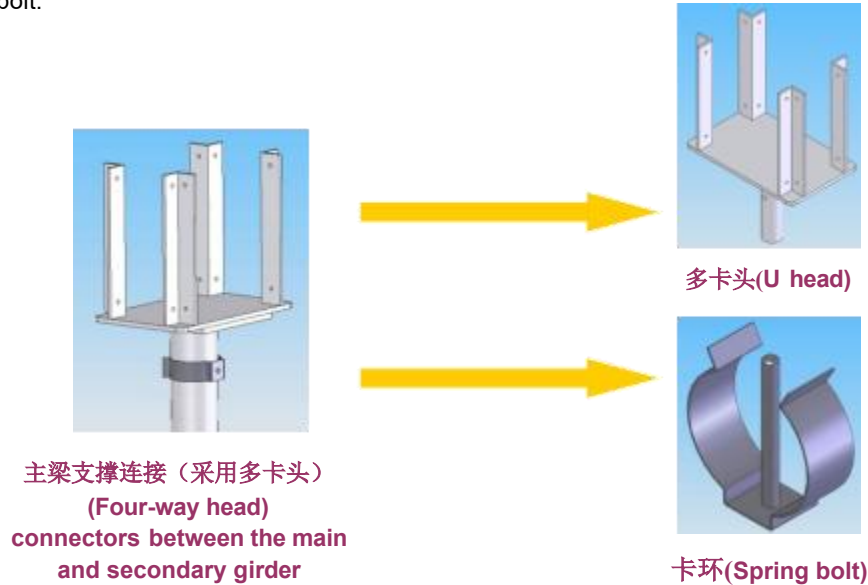
◎ **H Timber Beam:** Use 200*80 Timber Beam as the main and secondary girders.

◎ **可调钢支撑:** 可根据荷载大小的不同选用不同型号、不同调节高度的钢支撑。

◎ **steel prop:** use the different high and type of the steel props according to the load-carrying

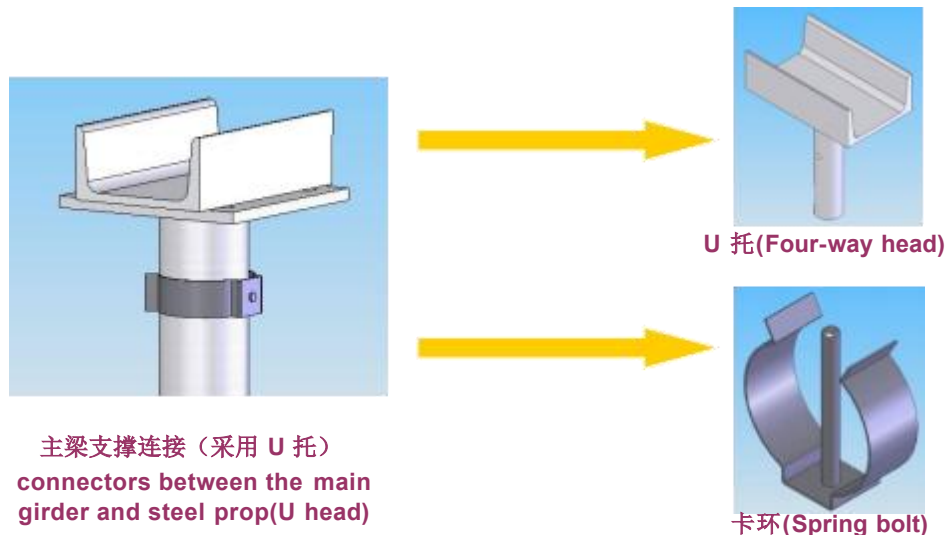
◎ **主梁支撑连接件:** 主梁支撑连接件由多卡头或 U 托与卡环配合组成。

◎ **connectors between the main girder and steel prop:** That includes four-way head and spring bolt or U head and spring bolt.



☆ 多卡头起固定限位作用，主要用在主梁搭接部位。

☆ Four-way head fixes and limits the location; use it at the connection of the main and secondary girder.



☆ 主梁跨度较大时，用 U 托做辅助支撑。

☆ Four-way head fixes and limits the location; use it at the connection of the main and secondary girder.

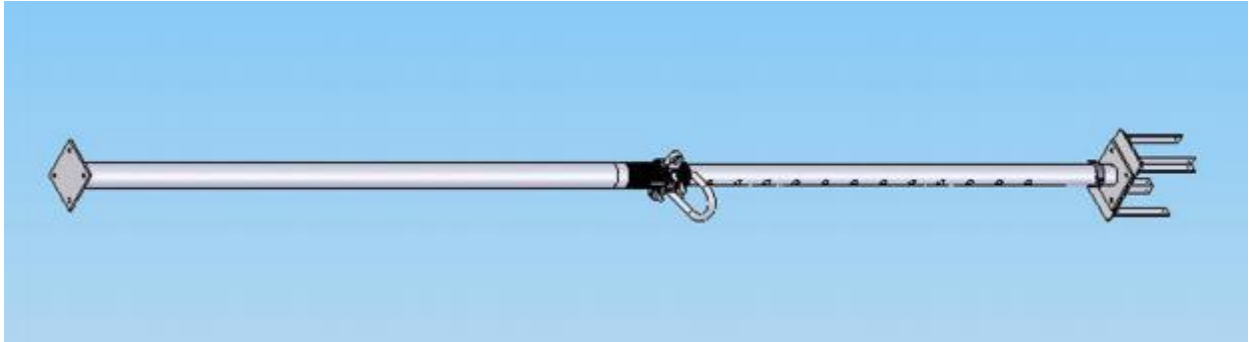
◎ **三脚架:** 用于固定独立刚支撑，操作简便、快捷。

◎ **Tripod:** fix the steel props, with simple and fast operation

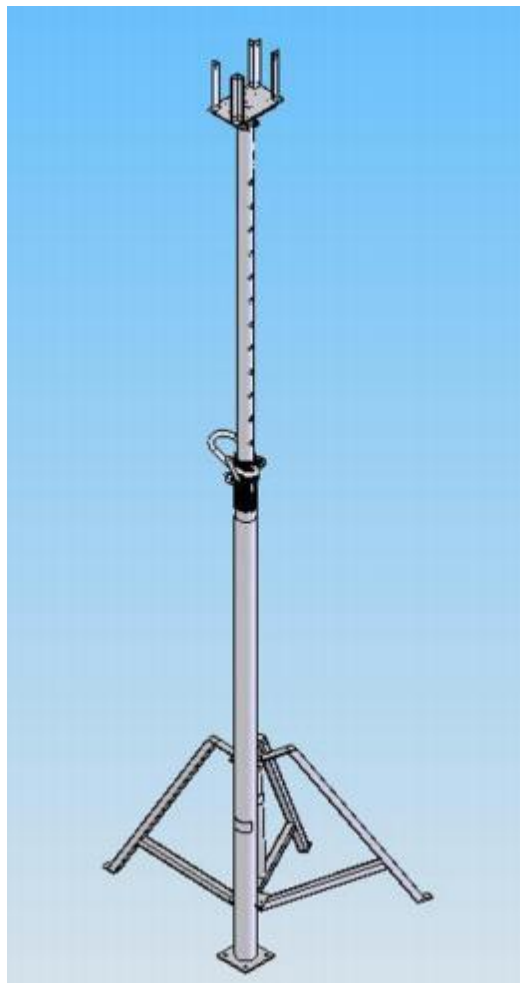


●体系的组装(System assembly):

- 1、根据建筑物层高，调整可调钢支撑的高度。
- 2、将多卡头（或 U 托）安装在可调钢支撑上。
1. Adjust the high of steel prop according to the project structure.
2. Put the four-way head (U head) on the steel prop.

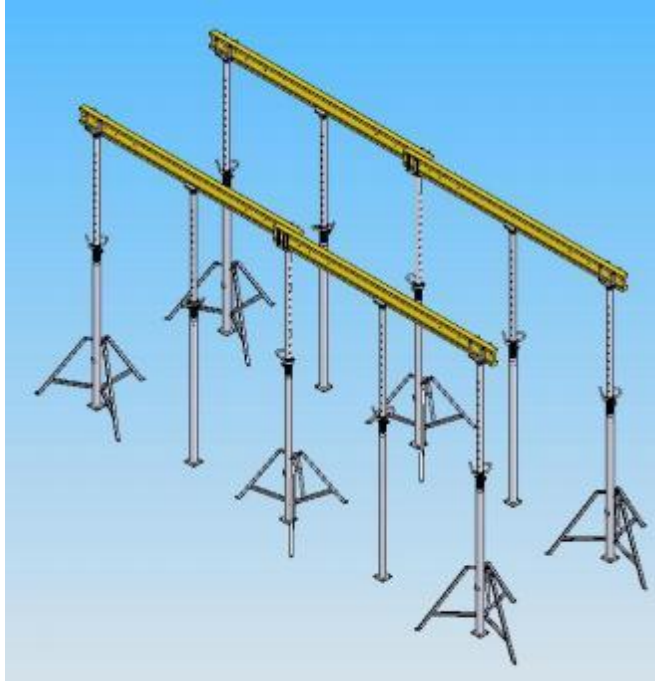


- 3、将可调钢支撑固定在三脚架上。
3. Fix the steel prop with the tripod.



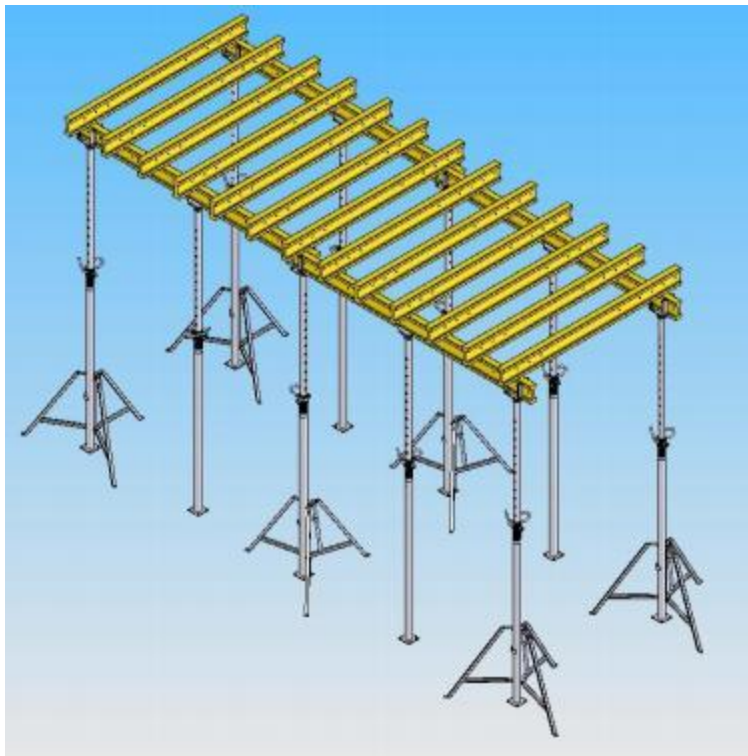
4、按照设计图纸的要求布置组装有三脚架和多卡头的可调钢支撑置，并在主梁支撑连接件上安放主梁。

4. Install the tripod and steel prop with the four-way head according to the design drawings, and put the main girder on the connectors for main & secondary T beam.



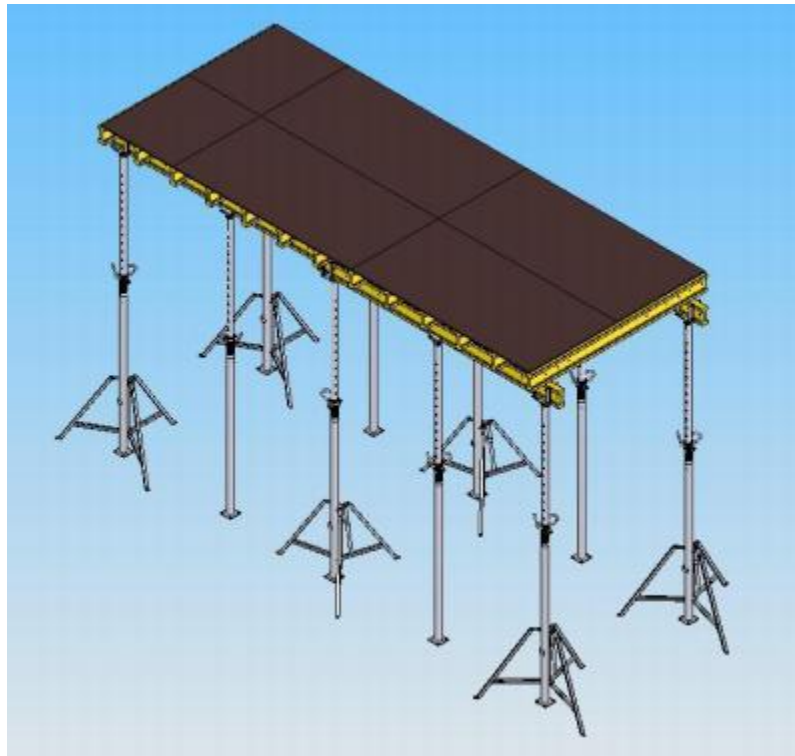
5、按照设计图纸的要求在木梁主梁上面布置木梁次梁。

5. Arrange the main and secondary girder according to the design drawings.



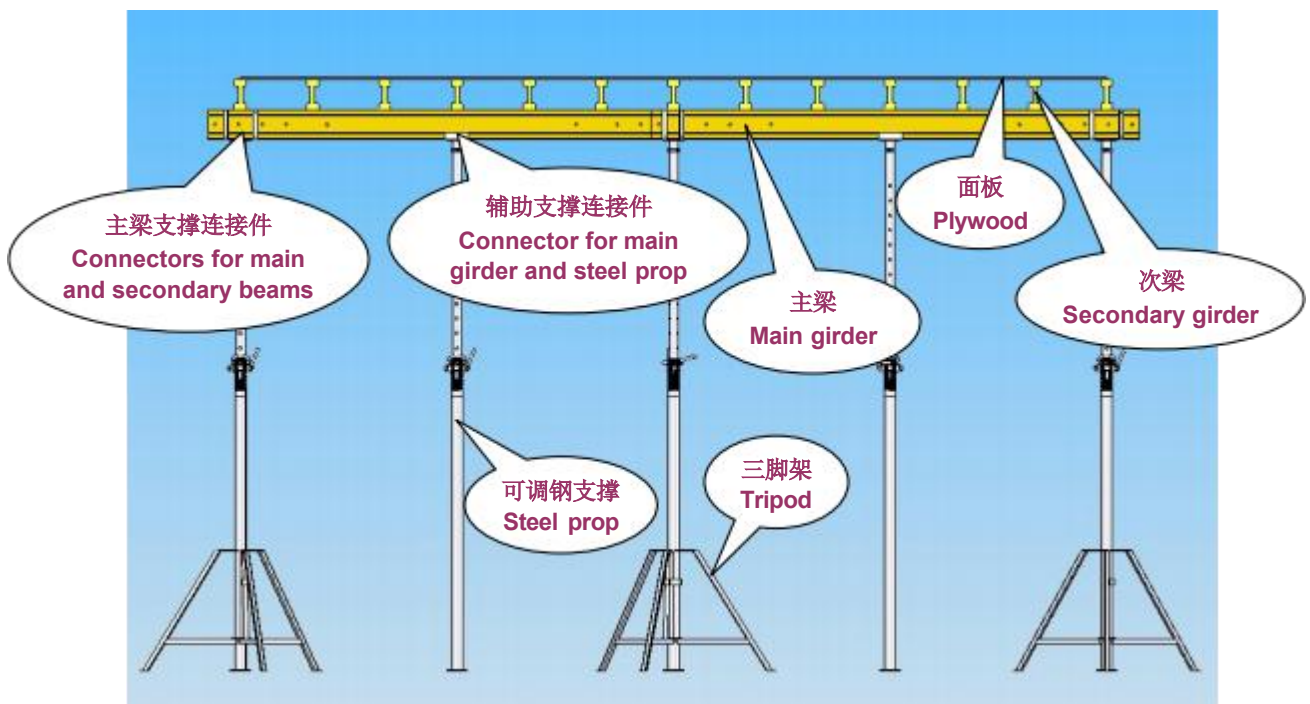
6、用自攻螺钉把多层板固定在次梁上。

6. Fix the plywood on the secondary girder with screw



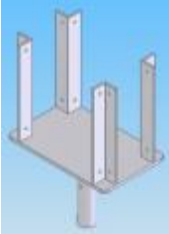
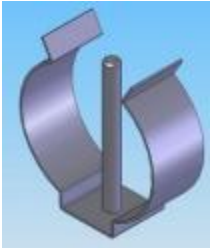
7、散支散拆体系组装完成图如下：

7. The picture of the completed system as follows:



● 部件列表 (Details)

序号 Serial Number	名称 Name	编号/代号 Item No./Code	样图 Display	规格 Specifications	单重 Unit Weight (kg)
1	散支散拆顶板模板体系 Interspersed Slab Form-work System				
2	多层板 Plywood			Thickness: 18mm WISA® plywood (plywood made in China)	
3	H200 木梁 Timber Beam			标准长度: Standard Length: 3m,4m,4.9m,5.9m,6m,etc. H200×80mm	5.5kg/m
4	可调钢支撑 Adjustable Steel Prop	15080130		型号(Type): Φ 外 76/Φ 内 60(Φ 外 60/Φ 内 48)	16.7kg/set
		15080136			20 kg/set
		15080141			22.8kg/set
		15080230			18kg/set
		15080236			22 kg/set
		15080241			25 kg/set
		15080330			22kg/set
		15080336			25kg/set
		15080341			28kg/set
		15080348			33kg/set
5	三脚架 Tripod	150901			13.09 kg/set

序号 Serial Number	名 称 Name	编号/代号 Item No./Code	样图 Display	规格 Specifications	单 重 Unit Weight (kg)
6	多卡头 Four-way Head	993801			3.3 kg/set
7	木梁 u 托 U Head	993901			1.79 kg/set
8	卡 环 Spring Bolt	150702		Φ 60	0.057 kg/set
9		150701		Φ 48	0.03 kg/set

● 实际应用(typical project):

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