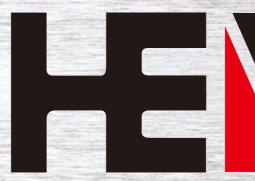


HEIWA GIKEN Co., Ltd http://www.heiwa-giken.co.jp/

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Kanto Business Office	7-1 Shibayama 2-chome, Funabashi City, Chiba Prefecture 274-0816
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Affiliate company : KOUBAI Co., Ltd.

*The specifications of the publication, the shape may change it to this catalogue without a notice by reasons of the improvement 2016.10.500





We think about people and the environment to make proposals for the future.



Qualified member of Incorporated Association of Scaffolding Industry

Passion to the Future

Through the manufacture and sale of temporary equipment for building and civil engineering, we have been making efforts to meet the diverse needs of our customers. Now, we live a new era of technology, where the building techniques are becoming more and more advanced and diversified. In step with these advanced and diversified techniques, we are also focusing our efforts on developing higher-quality products and making environmentally-friendly products. We think about people and the environment to make proposals for the future.



Headquarters /Kyushu Business Office





Ibaraki Rental Center



Kanto Business Office





Fukuoka Rental Center

Chubu Business Office

Hachioji Business Office

Corporate Profile

Company name Location

- HEIWA GIKEN Co., Ltd ■Headquarters / Kyushu Business Office
- Tel. +81-93-631-0804 Fax. +81-93-621-3558 ■Kanto Business Office
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- 2-13-8 Sennincho, Hachioji City, Tokyo 193-0835 Tel. +81-42-673-5051
- Chubu Business Office Tel. +81-594-87-0910
- ■Tohoku Business Office
- Tel. +81-22-335-6644 Ibaraki Rental Center
- 5132-2 Shishikura, Kasumigaura City, Ibaraki Prefecture 300-0121 Tel. +81-29-897-2212 Fukuoka Rental Center
- 330-1 Sakado, Kasuyamachi, Kasuya-gun, Fukuoka Prefecture 811-2303 Tel. +81-92-931-3700 Fax. +81-92-931-3701 September 1957 June 1962
- 60 million yen Mikio Uchihashi
- Number of employees (Japan) 213 (as of April 30, 2016)
 - The Kitakyushu Bank, Ltd. (Yahata Branch) The Bank of Fukuoka (Kurosaki Branch) The Nishi-Nippon City Bank, Ltd. (Kurosaki Branch) The Bank of Tokyo-Mitsubishi UFJ, Ltd. (Kitakyushu Branch) Sumitomo Mitsui Banking Corporation (Kitakyushu Branch) Mizuho Bank, Ltd. (Kitakyushu Branch)
- Affiliate company KOUBAI Co., Ltd. Sale destination
- Clients

Foundation

Capital

President

Incorporation

Bank of account

Corporate History

1957 1962 1974 1975 May 1979 February 2004 August 2004 August 2006 October 2006 December 2007 February 2008 February 2009 June 2009 July 2010 January 2012 September 2014

Heiwa Kogyosho was founded at 1-8, Kobai 3-chome, Yawatanishi-ku, Kitakyushu The company was incorporated as Heiwa Sangyo. Heiwa Sangyo bought out Yawata Plating to set up a plating department. Heiwa Sangyo was renamed as Heiwa Giken Co., Ltd. Heiwa Giken Co., Ltd., relocated its headquarters to the present address. The capital was increased from 20 million yen to 60 million yen. The Kanto Business Office was set up in Funabashi City, Chiba Prefecture. The Chubu Business Office was set up in Kuwana City. Mie Prefecture. The production of the Heiwa Builder (wedge scaffolds) started. The Osaka Business Office was set up in Osaka City, Osaka Prefecture. The Hachioji Business Office was set up in Hachioji City, Tokyo. The Chubu Business Office was relocated to the present address. The sale of the α (alpha)-type Builder started. The Ibaraki Rental Center was set up at 5132-2, Shishikura, Kasumigaura City, Ibaraki Prefecture. The Tohoku Business Office was set up in Natori City, Miyagi Prefecture. The Fukuoka Rental Center was set up at 330-1, Sakado, Yamachi, Kasuya-gun, Fukuoka Prefecture.



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Fax. +81-29-897-2213

About 1,500 companies in total, including general construction contractors, trading companies, and home centers About 200 companies, including coil centers

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HEIWA BUILDER

■Wedge-type Scaffolding

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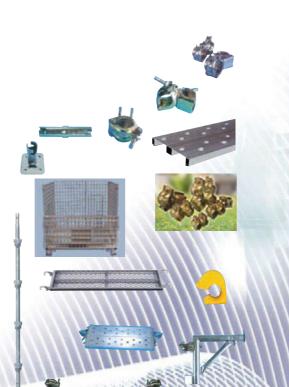
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Passion to the Future



HEWA Products

Manual Marking Press for Pipes and Boards

For thorough management of asset (material) protection (against theft)!

The Hand Stamper allows you to manage asset protection (against theft) as a strong supporter for management!

Stamp Your Company Name with Ease!



Stamper for pipes

ADVANTAGE¹

stamped company names off. Even if they are maintenance of the press or die. pared off, the pared materials in certain sections help you prove that the materials are yours as the stamped names do.



ADVANTAGE **7**

name, if stolen, proves that it is your material. Hand Stamper can stamp names more than a electric power and is safe, unlike a press. It is impossible to pare a large quantity of million times and requires no difficult



ADVANTAGE 3

A material bearing your stamped company Unlike costly press stamper or stickers, the It is a manual device, which requires no

Up to eight characters can be stamped. Characters will become small in size if the number of characters increases

Worksite You can stamp names on frame materials under any wedge scaffold conditions.



1





(Notes) (1) The Hand Stamper is designed for our products. If you want to use it for a product from another company, please check whether the Hand Stamper is compatible with the product in advance. (2) For a used material, the Hand Stamper may not be able to provide a clear stamp due to hollows or a seal adhering to the material. Please check the condition of the material before stamping (3) Although the Hand Stamper is anticorrosive, avoid wetting with rainwater where possible.

Temporary Materials

Coupler Clamps (Binding Hardware)

 ϕ 48.6 Coupler -





■Type: 48.6 dia. × 48.6 dia. Quantity per case: 30 ■Individual weight: 0.7 kg Approved by the Scaffolding and Construction Equipment Association of Japan Approved by the Scaffolding and Construction Equipment Association of Japan





Quantity per case: 30

Individual weight: 0.7 kg



■Type: 48.6 dia. × 48.6 dia. × 48.6 dia. Quantity per case: 20 Individual weight: 1.04 kg

■Type: 48.6 dia. × 48.6 dia. × 48.6 dia. Quantity per case: 20 Individual weight: 1.04 kg



60.5 dia. × 48.6 dia. Coupler liaht anale





■Type: 50 square × 48.6 dia. Right angle/Swivel Quantity per case: 25 Type: 60 square × 48.6 dia. Right angle/Swivel

■Type: 60.5 dia. × 48.6 dia. Right angle/Swivel Quantity per case: 25

Dimer Clamp (Steel plate with high corrosion resistance plating

HCR-SL (Dimer) Right Angle

HCR-SL (Dimer) Swivel





■Type: 48.6 dia. × 48.6 dia. ■Quantity per case: 30 Individual weight: 0.64 kg

■Type: 48.6 dia. × 48.6 dia. ■Quantity per case: 30 ■Individual weight: 0.64 kg

Plinth Block Coupler

This product is best suited for retaining footboards used as baseboards. This coupler is available to footboards arranged in parallel





■Type: 48.6 dia. × 42.7 dia. antity per case: Individual weight: 0.5 kg





Universal type Coupler

HKCR - Right angle



■Type: For 48.6 dia. and 42.7 dia. Quantity per case: 30 Individual weight: 0.7 kg Approved by the Scaffolding and Construction Equipment Association of Japan

50- and 60-square Coupler

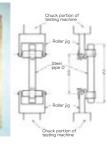


■Type: 50 square × 50 square Right angle/Swivel ■Quantity per case: 20 ■60 square × 60 square Right angle ■Quantity per case: 15 ■60 square × 60 square Right angle ■Quantity per case: 20

Certification

and criteria for certification







Type: For 48.6 dia. and 42.7 dia. Quantity per case: 30 Individual weight: 0.7 kg Approved by the Scaffolding and Construction Equipment Association of Japan





■Type: 42.7 dia. × 42.7 dia ■Quantity per case: 30 ■Individual weight: 0.67 kg

■Inspection method ■Displacement test

ation	Turne	Displacement (mm)					
certification	Туре	Load	Torque 350 kg⋅cm 450 kg⋅cm				
Criteria for 4	Right angle	0 to 1,000 kg	All units 10 mm max.				
Criter	Swivel	50 to 750 kg	All drifts to minimax.				

Strength test Tightening torque 450 kg·cm

cation	Туре	Streng	ength (kg)			
certification	Type	Average value of all units	Minimum value of all units			
Criteria for	Right angle	more than 1600	more than 1500			
Criter	Swivel	more than 1600	more than 1000			

*Refer to Precautions on page p25 before use

Light Coupler

HKCR - Right angle



■Quantity per case: 30 ■Individual weight: 0.64 kg ved by the Sc

HKCR - Swivel



■Type: For 48.6 dia. and 42.7 dia. ■Quantity per case: 30 Individual weight: 0.64 kg *Approved by the Scaffolding and







Single Couplers

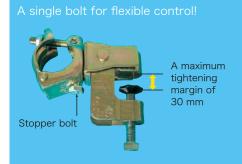


Withstanding vibration without horizontal shifting. A bolt that is tightened eliminates HCCR-ML wobbles and ensures orthogonality. All components are designed safety first.

[New functions]

Application examples

Vertically fixed



Type: Fixed, swivel, vertical, and horizontal For 48.6 dia. and 42.7 dia. ■Quantity per case: 20 Individual weight: 1.12 kg and Constructior tion of Japan

Hold Clamp -

HCCR-PL Fixed/Swivel



■Type: 48.6 dia. × 48.6 dia.)uantity per case: 30 Type: Vertical/Horizontal For 48.6 dia. and 42.7 dia. ■ Ountity per case: 20 ■Individual weight: 1.02 kg *Approved by the Scaffolding and Construction Equipment Association of Japan



6 to 30 mm

Beam Coupler -

■Type: Vertical/Horizontal ■For 48.6 dia. and 42.7 dia. Quantity per case: 15 Individual weight: 1.0 kg Construction: Forging *Approved by the Scaffolding and Construction Equipment Association of Japan



Coupler margin: 6 to 30 mm Quantity per case: 25 Individual weight: 0.7 kg

Battledore Clamp -



Type: For 48.6 dia. and 42.7 dia. Quantity per case: 40 Welded (hooked-pin type) gravity lock Individual weight: 0.6 kg Screw diameter: W1/2

PAT.P

*Front view of catch



Vertically flexible Fixed in parallel Flexible in parallel

Slip test on mounting portion

A wide catch suppressing wobbles on the left and right. A tightening margin of 6 mm to a maximum of 30 mm.

A wide plate to catch objects securely.

	ship toot on mounting portion								
	Test method	Right angle				Par	allel		
	Sample No.	1	2	3	Average value	1	2	3	Average value
	Strength kg	1,220	1,600	1,540	1,460	1,820	2,010	1,790	1,870
	Minimum value by certification criteria	630 kg min.							
Strength test on mounting portion									
	Test method	Right angle Parallel							

Test method	Right angle				Par	allel		
Sample No.	1	2	3	Average value	1	2	3	Average value
Strength kg	2,240	2,420	2,150	2,270	2,770	2,860	2,730	2,790
Minimum value by certification criteria	Right angle: 900 mm min.; Parallel: 1,350 kg min.							

Special Couplers

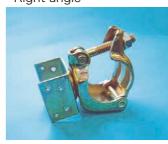
Rafter Fixing Coupler

Rafter Fixing Coupler (45) - Right angle



Fixed/Swivel/Parallel Type: For 48.6 dia. and 42.7 dia. ■Quantity per case: 50 Individual weight: 0.4 kg ■Rafter size: Free

Board Fixing Coupler Type I (Parallel)



■Type: For 48.6 dia. and 42.7 dia. ■Quantity per case: 50 Individual weight: 0.44 kg Rafter size: 45 mm max.

Board Fixing Coupler Type II (Parallel)



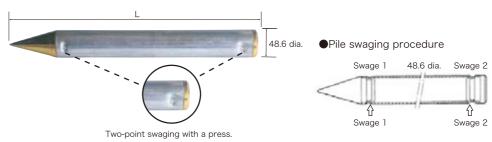
■Type: For 48.6 dia. and 42.7 dia. ■Quantity per case: 40 Individual weight: 0.44 kg
 Board size: 12 mm max.

■Type: For 48.6 dia. and 42.7 dia. ■Quantity per case: 40 Individual weight: 0.44 kg Board size: 12 mm max.

Piles

Pile

A single-pipe pile sufficiently applicable to simple asphalt pavements repeatedly.



One-touch Pile -

Provided with the Stopper Ring, an epoch-making product newly developed.





Rafter Fixing Coupler (45) - Parallel



Type: For 48.6 dia. and 42.7 dia. ■Quantity per case: 50 Individual weight: 0.44 kg Rafter size: 45 mm max.

Board Fixing Coupler (for corner)



Quantity per case: 30 Individual weight: 0.54 kg Board size: 12 mm max.

Rafter Fixing Coupler (45) - Right angle/Swivel



Type: For 48.6 dia. and 42.7 dia. Quantity per case: 50 Individual weight: 0.44 kg Rafter size: 45 mm max.

Board Fixing Coupler (both ends)



■Type: For 48.6 dia. and 42.7 dia. ■Quantity per case: 30 Individual weight: 0.54 kg
 Board size: 12 mm max.

PAT P

Model L (mm)		Quantity per case	Individual weight (kg	
HP-10	1100	6	3.63	
HP-15	1600	*	5.0	
HP-20	2100	*	6.36	

*Minimum order: 6 piles



Stopper ring

Claw

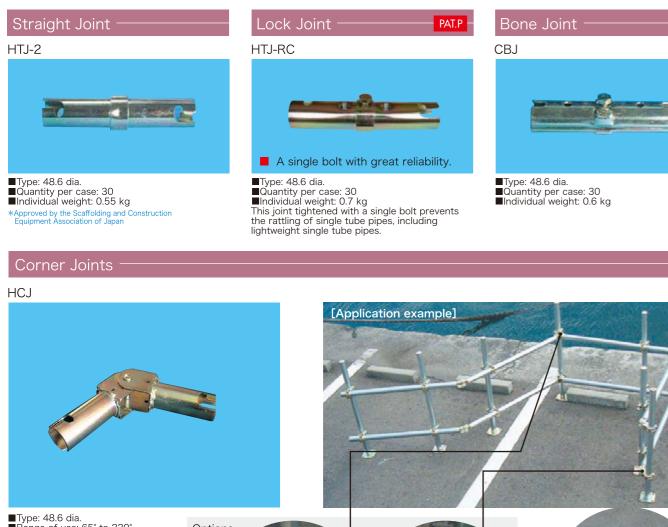
: Claws are tapered. Be sure to confirm the direction and use the product.



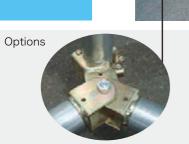
Туре	Individual weight (kg)	Quantity per case
Pile (Tip/Head)	0.9 (set)	20 sets
Stopper ring	—	40 rings

HEWA Products

Joints



■Range of use: 65° to 220° Quantity per case: 20 Individual weight: 0.78 kg Note: Be sure to set the joint to the pin on the single tube pipe.







PAT.P

Single-corner Coupler

Corner Coupler

Corner Joint

Steps

Universal Step

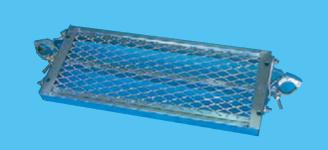
Used for civil engineering and construction sites and emergency stairs

■Provided with a four-stage angle adjustment function (for 40°, 48°, 55°, and 66°). Ease of assembly and ensures excellent safety, workability, storability, and economical efficiency.

Plate-type 600P



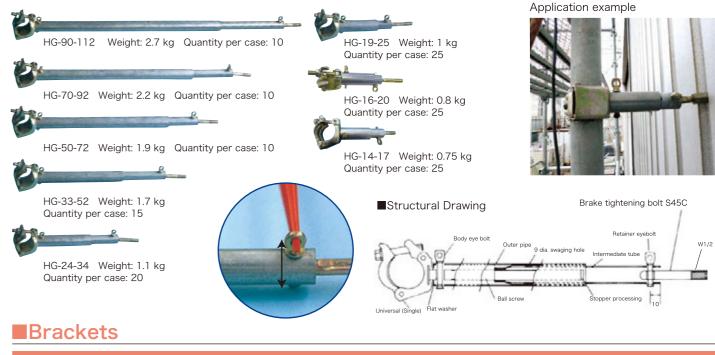
Mesh-type 600 M



Wall Connector Brackets

Wall Connector Brackets

The completed form tells the history of the HG Wall Connector Bracket. Each model number indicates the expansion range. (Example: The expansion range of the HG-90-112 is 900 to 1,120 mm.)



HGB Brackets BT-1





BT-2

■Wedge Head Coupler with Nut Tip clamp (with no bolt) for telescopic brackets Type: Universal Individual weight: 0.4 kg

Coupler set Detent clamp for telescopic brackets Type: Universal Individual weight: 0.44 kg

Net Bracket Type A



■ Type: 48.6 dia. and 42.7 dia. ■ Slide range: 334 to 509 mm ■Individual weight: 2.3 kg

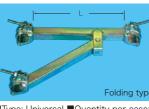
Type: 48.6 dia. and 42.7 dia. Slide range: 134 to 240 mm ■Individual weight: 1.8 kg

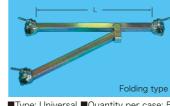
HBT-500

Net Bracket Type B

Scaffolding Bracket

HBT-300





■Type: Universal ■Quantity per case: 5 ■Individual weight: 2.5 kg ■L = 30 *Approved by the Scaffolding and Construction Fouinment As ociation of Japar

■Type: Universal ■Quantity per case: 5 ■Individual weight: 2.7 kg ■L = 53 *Approved by the Scaffolding and Co uction Fouinment As ociation of Japan



*Approved by the Scaffolding and Construction Equipment Association of Japan







*Approved by the Scaffolding and Construction Equipment Association of Japan



Insertion tube accommodated



Net mounted state

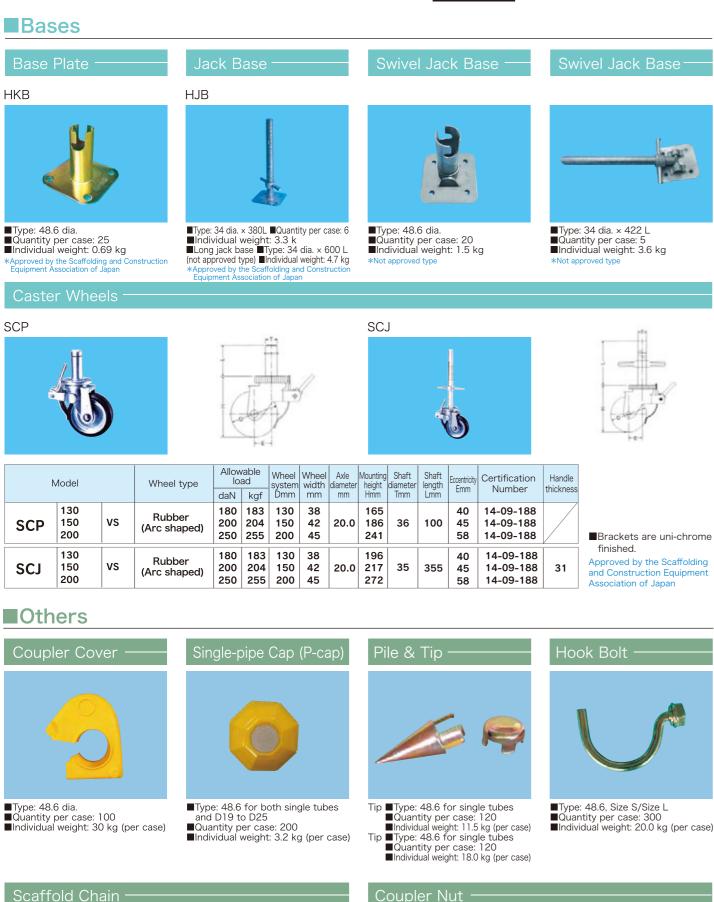


Accommodated in net

Temporary Materials

HEWA Products

New Items







Lengths of 2 m, 3 m, 4 m, and other lengths are available



Size	TRIANGLE 01 (Builder type)		TRIANGLE 02(Alpha	type)
	ltem code	Weight	ltem code	Weight
HR-18	HASTD-18	8.0kg	HBSTD-18	8.2kg
HR-15	HASTD-15	7.3kg	HBSTD-15	7.5kg
HR-12	HASTD-12	6.3kg	HBSTD-12	6.5kg
HR-09	HASTD-09	5.5kg	HBSTD-09	5.7kg

Benefits of BUILDER TRIANGLE

- 1. The upper wedge part incorporates HEIWA's original stopper function. The lock function will be activated with braces crossed, which will prevent parts from dropping out.
- Safety belt hooks can be hung on the handrail.
- 3 No intermediate handrails are required in the case of setting footholds to two-stage handrails, will contribute to cost saving.
- The product greatly reduces the required time of work on large-scale sites. 4
- 5 The product contributes to the safety of workers on construction sites that attach importance to safety first.

7

New Items

Unloader for Scaffolds

Patent pending

HEWA LACTOR

Minimum risk!

Mid-to-high-rise work always accompanies danger and hard labor. The HEIWA Lactor minimizes labor and the riskof danger. The HEIWA Lactor is a tool that ensures ease of scaffolding work in preparation of the forthcoming aging population with a shortage in labor force.

Ease of scaffolding work!

A cost reduction with an increase in work efficiency.

Provided with boxes that turn 120 degrees for an increase in load transfer efficiency.

Boxes made of aluminum provide an increase load capacity.



Double rails give the main unit stability.



In case the wire or chain breaks, the original brake prevents the Lactor from falling more than 25 mm.

Advantages offered by the Lactor

In case the wire or chain breaks, the original brake prevents the Lactor from falling more than 25 mm!

In case the degraded wire or chain breaks, the HEIWA Lactor does not fall more than 25 mm (according to our test results).

Double rails give the main unit stability!

The HEIWA Lactor uses two rails.

Δ

This structure makes the Lactor less likely to shake while it is moving up or down, providing the unloader main unit with increased stability. It also provides smooth motion, giving longer service lives to failure-prone components, such as the bearing.

According to the site situation, the box turns up to 120 degrees!

When the scaffold makes it difficult to take out or load a structural component, you can turn the box up to 120 degrees by pulling the lever (four-step turning).

Boxes made of aluminum provide an increased load capacity!

The aluminum boxes have increased the maximum allowable load to 160 kg for chain hoisting or 140 kg for wire hoisting!

The Lactor reduces costs for increased profitability! 5

The HEIWA Lactor allows four or five workers to perform construction work that usually requires 10 workers! This increases the velocity, leading to increased profitability. The Lactor is for rent, eliminating the great expense required to purchase unloaders.



The Lactor uses hoists with a load capacity of less than 250 kg, which requires no application for approval or qualified workers!

However, an unloader may become dangerous equipment when used wrongly. We require you to attend a lecture class provided by us before you use the Lactor if you will use it for the first time. We would like you to adhere to the correct usage so that you can use the Lactor safely and quickly.





Mini winch (8 kg)

Hoist mounting bracket (18 kg)

New Items

For work safety improvements!

For Wedge Binding Type Scaffolding

HEWA Smart Asagao

Setting up a temporarily flared shield for scaffolding on a construction site involves danger, time, and extraordinary expenses. The HEIWA Smart Asagao completely solves the problem. Ensuring ultimate safety!

Ensuring ultimate safety Easy! Low cost!

Easy to construct!

Consisting of a few components, the Smart Asagao series provides significantly enhanced ease of construction. The series offers the Smart Asagao type 13 and type 18, both of which are folding types that are easily portable.

Incomparably beautiful!

The Smart Asagao series products are significantly more beautiful than other flared shields for scaffolding consisting of single tubes and footboards.

The Smart Asagao completely frees you from the difficulty

Ultimately safe!

The greatest danger during construction work is accidental falls! The Smart Asagao eliminates the need for workers to put their feet during construction, ensuring significantly higher safety.

Economical!

Patent

pending

The Smart Asagao series products are rentable, requiring no cost for purchasing a large quantity. You can rent products only when necessary.

of assembling too many components! Only these components assemble into a full-fledged Asagao!

[List of structural components] for the Smart Asagao type 13

(1) Main unit frame (folded)	22.4 kg	One
(2) Diagonal	7.0 kg	Two
(3) Diagonal support	9.0 kg	Two
(4) Corrugated FRP sheet with a 3.0 thickness	14.0 kg	Fou
(5) Gap material	2.2 kg	One

The falling-object endurance test conducted by us demonstrated that the Smart Asagao is robust enough to endure even HA36 column.

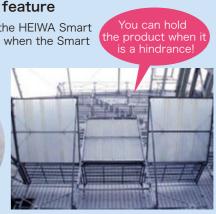
The panel is not even damaged by a handrail or small component (such as a clamp). The angled panel let falling objects drop to the scaffold side, allowing almost no objects to fall outside.



Equipped with a blow-up prevention feature

An auto lock is provided as a feature unique to the HEIWA Smart Asagao. It automatically locks the Smart Asagao when the Smart Asagao is placed.



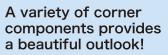


Locked

Unlocked

Product name	Item code	Width × length	Total weight
	HAS-1818	1800mm×1800mm	57.5kg
	HAS-1809	1800mm×900mm	41.8kg
Smart ASAGAO 18	HAS-1806	1800mm×600mm	
	HASK-18	1800mm	51kg
	HAS-2318	2300mm×1800m	68.4kg
Smart ASAGAO 23	HAS-2309	2300mm×900mm	48.2kg
	HAS-2306	2300mm×600mm	
	HASK-23	2300mm	69kg

11







HEWA Products

SCAFFOLDING FORMWORK **SYSTEM**

Feature of wedge binding scaffold

By choosing the length of a component freely, this system can perform various scaffold construction included low-rise, and mid-rise building without any construction equipment but only manpower.

Low Cost

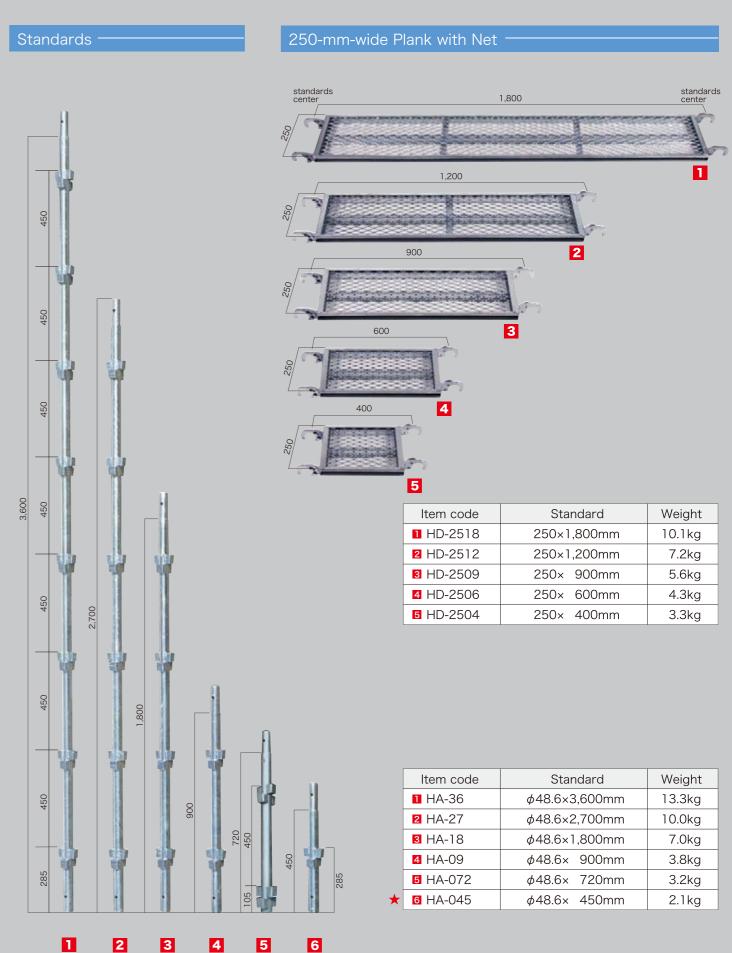
Quick operation

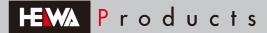
Operate with only one hammer and easy assemble.

All of materials are JIS standard and passed the test of Scaffolding and construction equipmentAssociation of Japan.

Safety

■Wedge-type Scaffolding

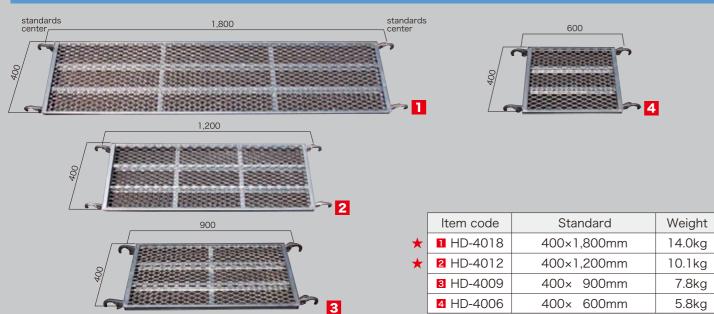




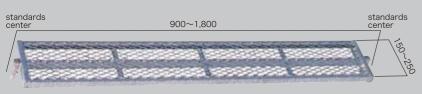
HD-2518	250×1,800mm	10.1kg
2 HD-2512	250×1,200mm	7.2kg
3 HD-2509	250× 900mm	5.6kg
4 HD-2506	250× 600mm	4.3kg
5 HD-2504	250× 400mm	3.3kg

	ltem code	Standard	Weight
	1 HA-36	¢48.6×3,600mm	13.3kg
	2 HA-27	¢48.6×2,700mm	10.0kg
	3 HA-18	¢48.6×1,800mm	7.0kg
	4 HA-09	¢48.6× 900mm	3.8kg
	5 HA-072	¢48.6× 720mm	3.2kg
-	6 HA-045	¢48.6× 450mm	2.1kg

400-mm-wide Plank with Net -

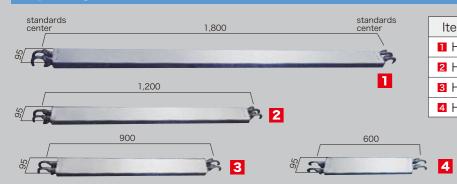


Center Plank with Net



	Item code	Standard	Weight
	HDS-2518	250×1,800mm	9.6kg
	HDS-2512	250×1,200mm	6.8kg
\ \	HDS-2509	250× 900mm	5.2kg
	HDS-1518	150×1,800mm	8.3kg
	HDS-1512	150×1,200mm	5.8kg
	HDS-1509	150× 900mm	4.4kg

Gap-filling Material



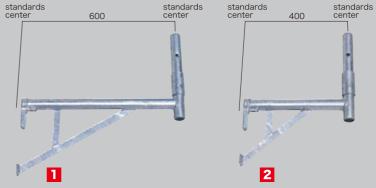
ltem code	Standard	Weight
HGK-SR18	95×1,800mm	4.96kg
2 HGK-SR12	95×1,200mm	3.56kg
3 HGK-SR09	95× 900mm	2.82kg
4 HGK-SR06	95× 600mm	2.00kg

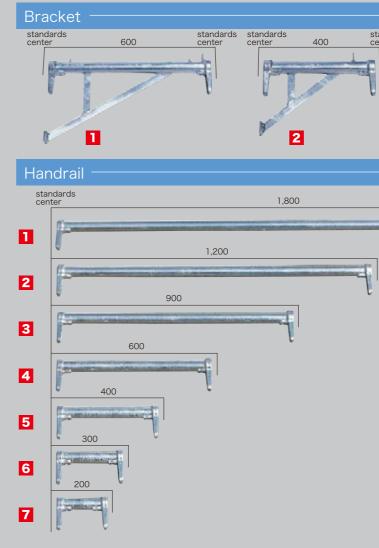
L-type Plinth Toe Board



\square	ltem code	Standard	Weight
	HL-18	1,800mm	5.8kg
	HL-15	1,500mm	4.8kg
vertical side	HL-12	1,200mm	4.0kg
side	HL-09	900mm	3.1kg
	HL-06	600mm	2.3kg
	HLW-12	1,200mm	4.3kg
width side	HLW-09	900mm	3.4kg
0100	HLW-06	600mm	2.6kg

Overhang Bracket





Staircase Handrail

Item code	Standard	Weight
_	1,800mm	7.4kg





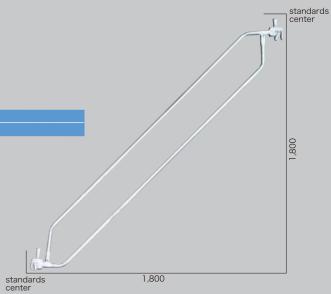
Standard	Weight
¢42.7×600mm	3.8kg
<i>ϕ</i> 42.7×400mm	2.9kg
¢42.7×200mm	1.8kg
	φ42.7×600mm φ42.7×400mm

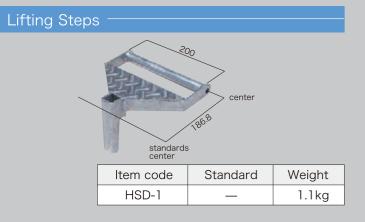
standards center

ltem code	Standard	Weight
∎ HB-40	¢42.7×600mm	2.7kg
2 HB-25	<i>ф</i> 42.7×400mm	1.9kg

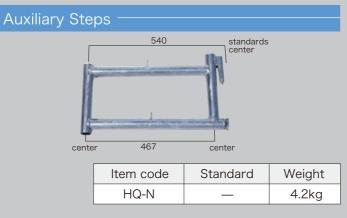


ltem code	Standard	Weight
1 HC-18	¢42.7×1,800mm	4.3kg
2 HC-12	¢42.7×1,200mm	3.3kg
3 HC-09	¢42.7× 900mm	2.5kg
4 HC-06	¢42.7× 600mm	1.7kg
5 HC-04	¢42.7× 400mm	1.3kg
6 HC-03	¢42.7× 300mm	l.lkg
7 HC-02	¢42.7× 200mm	0.8kg

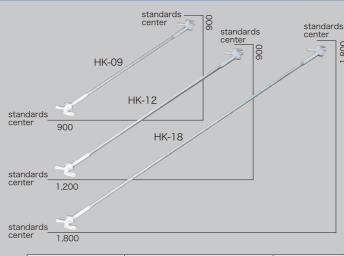








Cross Brace



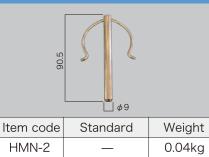
	ltem code	Standard	Weight
\star	HK-18	φ27.2×2,520mm	3.9kg
*	HK-12	¢27.2×1,472mm	2.5kg
*	HK-09	φ27.2×1,246mm	2.2kg

standard

cer

Center Adapter







HMN-1

_

ltem code	Standard	Weight
HSW-200	_	0.8kg

HM-120

0.6kg

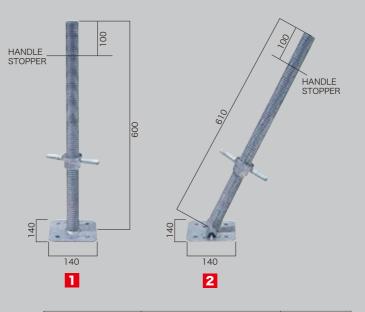
standards

Lock Pir) (Prefabrication ty	/pe)	Side Ada	apter (for narro	w scaffolding)
				tandards enter	
Item code	Standard	Weight	Item code	Standard	Weight

0.06kg

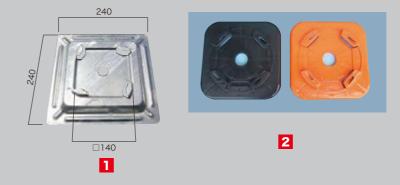
Universal Wedge

Pipe Jack



	ltem code	Standard	Weight
	1 HE-6	L=600mm(Fixed)	2.8kg
*	2 HE-6S	L=600mm(Swivel)	3.0kg

Under Base



Guard Fence standards center standards 1,800

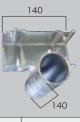


Item code	Standard	Weight
HG-A18	Pitch 1,800mm	6.7kg

HEWA Products

Wall Abutting Jack 620 245 100 65 2 Weight Item code Standard HE-6P(Jack) 2.3kg ____ 2 HJH-20(Jack Holder) l.lkg ____

Plank Holder

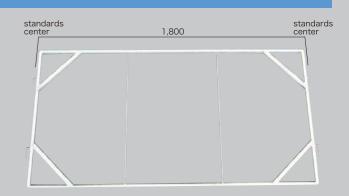


ltem code	Standard	Weight
_	_	0.72kg



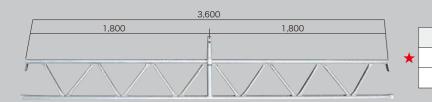
This product is a non-slip base that does not come off with ease and ensures high grip force and free of color migration. Made of a heat-resistant resin, the product serves as an easy-to-use, durable base indispensable to construction sheds.

	ltem code	Standard	Weight
*	1 HPB-24S	Steel	0.7kg
	2 HPB-24P	Plastic	0.26kg
	L-base (plastic under base)	For Square 140mm	3.0kg

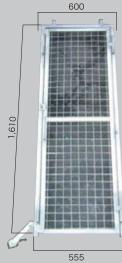


	ltem code	Standard	Weight
\star	HG-B18	Pitch 1,800mm	6.8kg

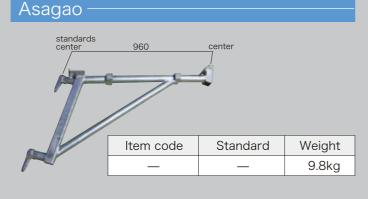
Beam Frame



Entry Prevention Door 6090



Designed for both of H-shaped frames and single-side applications, this product is compatible with a span between 600 and 900 mm. Usable in four different applications, this product is economical and rational.



Standard

3,600mm

5,400mm

Weight

28.0kg

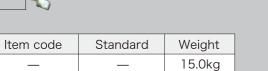
43.6kg

Simple Entry Prevention Bar

Item code

HG-36

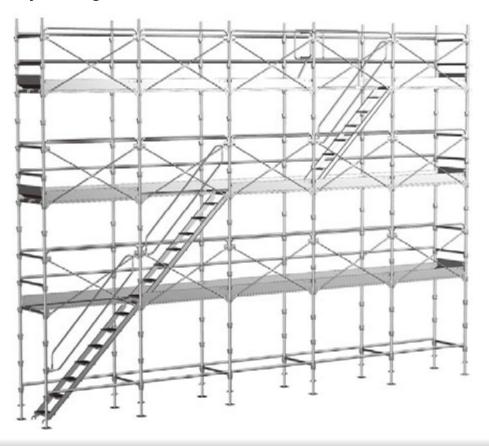
HG-54

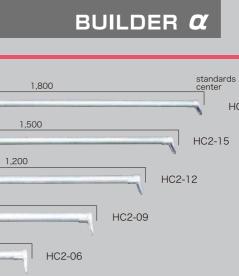


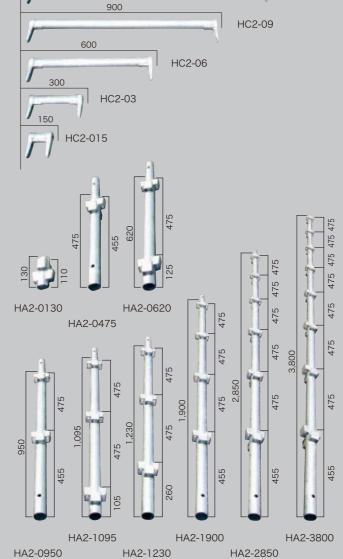
	ltem code	Standard	Weight	
*			1.3kg	

Qu

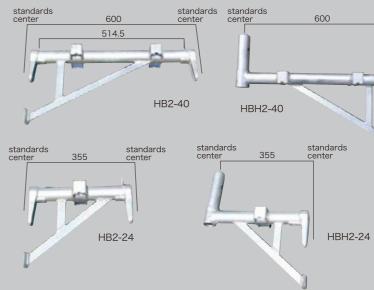
Assembly Drawings (3levels×5 spans Use example)







standards center



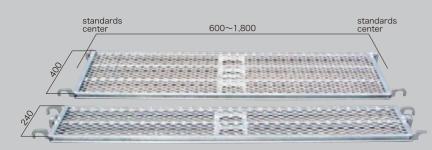
HC2-18

Handrail		
Item code	Standard	Weight
HC2-18	¢42.7×1,800mm	4.8kg
HC2-15	¢42.7×1,500mm	4.1kg
HC2-12	¢42.7×1,200mm	3.4kg
HC2-09	¢42.7× 900mm	2.5kg
HC2-075	¢42.7× 750mm	2.0kg
HC2-06	¢42.7× 600mm	1.7kg
HC2-03	¢42.7× 300mm	1.0kg
HC2-015	¢42.7× 150mm	0.7kg

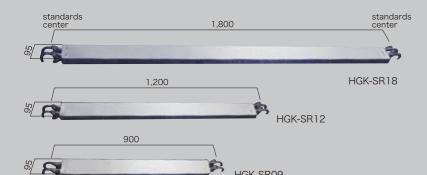
Standards				
Item code	Standard	Weight		
HA2-3800	\$\$\phi 48.6×3,800mm	14.1kg		
HA2-2850	¢48.6×2,850mm	10.6kg		
HA2-1900	¢48.6×1,900mm	7.1kg		
HA2-1230	¢48.6×1,230mm	5.0kg		
HA2-1095	¢48.6×1,095mm	4.6kg		
HA2-0950	¢48.6× 950mm	3.9kg		
HA2-0620	¢48.6× 620mm	3.1kg		
HA2-0475	¢48.6× 475mm	2.2kg		
HA2-0130	φ48.6× 130mm	0.7kg		

standards center

Various Brackets						
Item code	Standard	Weight				
HB2-40	¢42.7×400mm	2.9kg				
HB2-24	¢42.7×240mm	1.9kg				
HBH2-40	¢42.7×400mm	3.5kg				
HBH2-24	¢42.7×240mm	2.2kg				
HBH2-15	¢42.7×150mm	1.7kg				

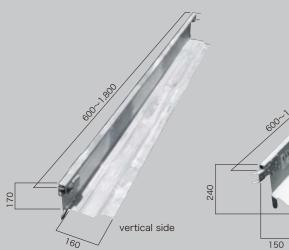


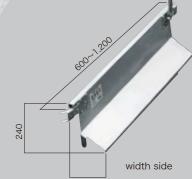
Plank		
ltem code	Standard	Weight
HD2-4018	400×1,800mm	13.0kg
HD2-4015	400×1,500mm	11.0kg
HD2-4012	400×1,200mm	8.6kg
HD2-4009	400× 900mm	6.8kg
HD2-40075	400× 750mm	6.0kg
HD2-4006	400× 600mm	5.2kg
HD2-2418	240×1,800mm	9.2kg
HD2-2415	240×1,500mm	7.9kg
HD2-2412	240×1,200mm	6.6kg
HD2-2409	240× 900mm	5.2kg
HD2-24075	240× 750mm	4.7kg
HD2-2406	240× 600mm	3.2kg

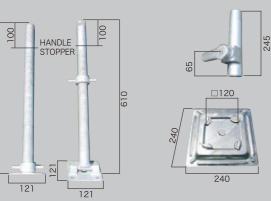


HGK-SR09









HGK-SR18	95×1,800mm	4.96kg						
HGK-SR12	95×1,200mm	3.56kg						
HGK-SR09	95× 900mm	2.82kg						
HGK-SR06	95× 600mm	2.00kg						
L-type Plinth Toe board								

Standard

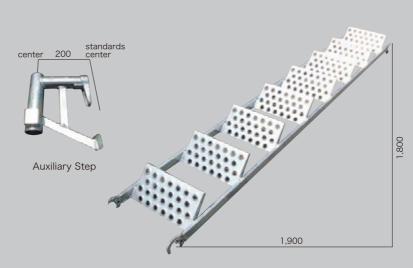
Weight

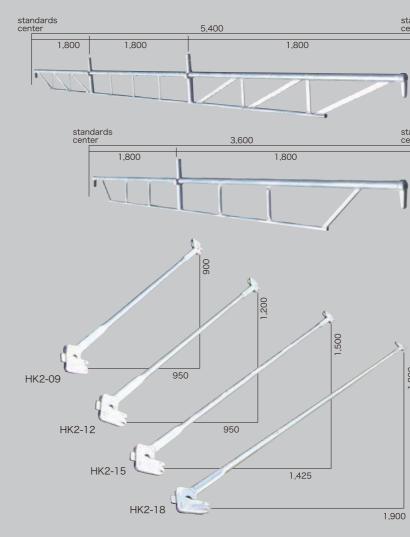
Gap-filling Material

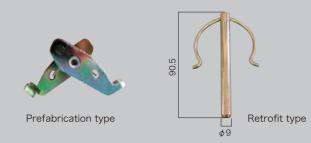
Item code

L-type Plintin Toe board							
\square	Item code Standard Weig		Weight				
	HL2-18	1,800mm	5.8kg				
	HL2-15	1,500mm	4.8kg				
vertical	HL2-12	1,200mm	4.0kg				
side	HL2-09	900mm	3.1kg				
	HL2-06	600mm	2.3kg				
	HLW-12	1,200mm	4.3kg				
width side	HLW-09	900mm	3.4kg				
	HLW-06	600mm	2.6kg				

Various Jack Bases					
Item code	Standard	Weight			
HE2-6	Pipe Jack	2.5kg			
HE2-6S	Swivel Jack	2.7kg			
HE2-6P	Wall tie pipe Jack	2.3kg			
HJH2-20	Jack holder	1.1kg			
HPB2-24S	Steel Under base	0.8kg			







21

Various Stairs						
Item code	Standard	Weight				
HH2-19	Steel stairs (8steps)	19.8kg				
HH2-19AL	Aluminum stairs (8steps)	12.6kg				
HQ2	Auxiliary Step	1.8kg				

standards center						
	Beam Frame (Truss)					
	Item code	Standard	Weight			
	HG2-54	5,400mm	30.8kg			
'	HG2-36	3,600mm	16.3kg			
standards center						

Cross Brace						
Item c	ode	Standard	Weight			
HK2-	18	¢27.2×2,592mm	4.1kg			
HK2-	15	¢27.2×2,043mm	3.3kg			
HK2-	12	¢27.2×1,502mm	2.6kg			
HK2-	09	¢27.2×1,282mm	2.3kg			

800

Lock Pin		
Item code	Standard	Weight
HMN-1	Prefabrication type	0.06kg
HMN-2	Retrofit type	0.04kg

Products

Aluminum Scaffolding Stairs

Aluminum Ladder Stairs for Frames KDB-

Planks

Ladder stairs are provided with press-type planks finished with non-slip processing, which prevents

(Limited to KDC-A and KDB-A/AT)

workers from slipping.



Aluminum Ladder Stairs are of bolted type, which allows the replacement of parts (gripping brackets and plans) with ease if they are damaged.



Ladder stairs do not require much space at the time of storage or transportation because they are stacked with no gaps.

KDB-F458 ■Made of aluminum alloy with preeminent corrosion resistance. Ladder stairs have excellent scrap

value at the time of disposal.

Plank Stairs KDC

A 300-mm-wide slim-type product.

(A+300 B+422 396 (A=246 (B=368 *Figures indicated by "A" and "B" in parentheses are KDC dimensions and KDE dimensions respectively.

Dimensions

Single-sided Plank STCR

The surface is provided with press-type non-slip processing.

Both ends are provided with drip holes.

The back is provided with non-slip rubber beads. Support inter

rval: 1,800 mm	and a state of a state
STCR-324	Cross sectional a

	Item code	Full length m	Width mm	Thickness mm	Distance between supports (span)m	Number of support points	Mass kg
-	STCR-124	1.00	240	32	0.60	2-point support	1.9
-	STCR-224	2.00	240	32	1.60	2-point support	3.7
200	STCR-324	3.00	240	32	1.30	3-point support	5.5
	STCR-424	4.00	240	32	1.80	3-point support	7.3
hana							

Cross-sectional shape *No custom-made products are of approved type.

*No custom-made products are of approved type

Single-sided Plank STFR

The surface is provided with press-type non-slip processing.

Both ends are provided with drip holes.

STFR-324

The back is provided with non-slip rubber beads Support interval: 1,800 mm

	ltem code	Full length m	Width mm		Distance between supports (span)m	Number of support points	Mass kg
a design	STFR-224	2.00	240	29	1.60	2-point support	4.5
	STFR-324	3.00	240	29	1.30	3-point support	6.7
	STFR-424	4.00	240	29	1.80	3-point support	8.9

Cross-sectional shape

■Tube Pipe STK500, 48.6 dia., 2.4 t

Surface treatment: Two types, i.e., electrolytic zinc plating and hot-dip galvanized types, are available with or without pins. - Pin Pin 🔄 5,000mm → 4,000mm _____ 3,000mm _____ 2,000mm 1,500mm ➡ 1,000mm With pin/Without pin Length (mm) 1.000 1.500 2.000 3,000 4.000 5,000 2.73 410 546 819 10.92 13 65 Without pin Weight (kg)

ltem code	Front width P	Plank width	Number of steps	Riser dimension (h) mm	Apply scaffolding dimensionmm		Mass
	mm	mm			W	Н	kg
KDB-F457			7	246	1829	1725	12.2
KDB-F458		396	8	215	1829	1725	13.1
KDB-F459	450		9	216	1829	1955	14.2
KDB-M457			7	243	1800	1700	12.0
KDB-M458			8	212	1800	1700	12.3
KDB-F457A	450	396	7	246	1829	1725	12.2
KDB-F458A			8	215	1829	1725	13.1
KDB-M457A			7	243	1800	1700	12.0
KDB-M458A			8	212	1800	1700	12.3
KDB-F458T		396	8	213	1829	1725	13.1
KDB-F459T	450		9	212	1829	1955	14.2
KDB-M458T			8	209	1800	1700	12.3
KDB-F458AT			8	213	1829	1725	13.1
KDB-M458AT			8	209	1800	1700	12.3

*Each product with an item code suffix including "F" is for inch-size frames and that with an item code suffix including "M" is for meter-size frames.

ront width Plank width Number

246

mm

300

mm of steps

7

*The KDC-A is a product finished with non-slip processing. *Each product with an item code suffix including "F" is for inch-size frames and that with an item code suffix including "M" is for meter-size frames. *Models with a front width of 450 mm and those for single-side scaffolding with a front width of 420 mm are available by order.

*Models incorporating claws to prevent the upper and lower grip brackets from slipping out are available by order.

Item code

KDC-F3077

KDC-M3087

KDC-F3077A

KDC-M3087A

Riser

dimension

mm

246

253

246

253

Order production

W

Apply scaffolding dimensionmm Mass

1829 1725 10.2

1800 1800 10.3

1829 1725 10.2

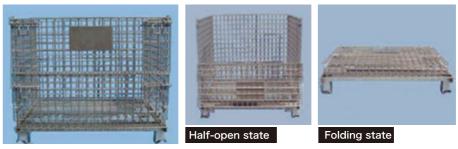
1800 1800 10.3

н |

kg

Order production

Box Pallet



\sim	Outer diameter (mm)			Leg height	Wire diameter	Wire mesh pitch	Maximum loading	Own weight	Specification
	Width	Length	Height	mm	mm	mm	kg	kg	opecification
HP-1-U	500	800	540	100	3.8	30×30	300	21.0	Electroplating
HP-2-U	800	1000	840	100	6.3	50×50	1,500	53.5	Electroplating
HP-2-D	800	1000	840	100	6.3	50×50	1,500	53.5	Hot-dip galvanized
HP-3-U	1000	1200	890	100	6.3	50×50	2,000	83.0	Electroplating
HP-3-D	1000	1200	890	100	6.3	50×50	2,000	83.0	Hot-dip galvanized

[Precautions]

•Pay utmost attention in order to prevent accidents if a number of products are stacked and used. The Box Pallet is not of lifting type. Do not lift the Box Pallet for use.

Models of HP-3-D type provided with caster wheels are available.

Annealed Wires, Steel Scaffold Planks, and Mesh Sheets

Annealed Wires (Domestic Product)



#8 #10 #12

25-kg coil and 50-kg coil Boxed wire 2.7 dia./3.1 dia.×700

Mesh Sheets

Fire-retardant Mesh Sheets (Approved by the Scaffolding and Construction Equipment Association of Japan)

UK-333	UK-777	#10000U

nce			Flame-retarda	Anti-scattering mesh sheet		
	ltem code		UK-333	UK-777	#10000U	
	Mass (g/m²)		450	420	140	
	Mesh size (mm)		1	3	0.75	
	Solidity ratio(ϕ)		0.90	0.67	0.78	
	Tensile strength (N/3 cm)	Vertical	2131	1843	688	
		Horizontal	2050	1660	652	
	Stretch (mm)	Vertical	64.3	55.8	44.6	
		Horizontal	65.5	56.8	45.2	
Ē	Eyelet tensile strength (kN)	Vertical	136.9	102.9	30.9	
		Horizontal	134.2	94.3	29.5	
	Eyelet tensile strength (kN)	Vertical	1.62	1.46	0.53	
		Horizontal	1.66	1.32	0.55	
	Flame-retardant performance		Compliant	Compliant	Compliant	
	Applicable standard		Scaffolding and Construction Equipment Association of Japan Japanese Fire Services Act	Scaffolding and Construction Equipment Association of Japan Japanese Fire Services Act	Japanese Fire Services Ac	

*The figures above are measured values, and not guaranteed figures.

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Scaffold Planks



*Approved by the Scaffolding and Construction Equipment Association of Japan

BAN-2025H	2.0M	7.2kg
BAN-3025H	3.0M	10.6kg
BAN-4025H	4.0M	14.0kg

Anti-scattering Mesh Sheets

Products

Burring Swaging

Features of burring swaging

Features of burring swaging

Burring swaging (a patent pending) is Heiwa's unique technology developed for one of the features of coupler clamps as Heiwa's main products.

Burring refers to the forming of a projecting edge on an opening. Burring is a swaging method that forms burrs in a carefully calculated size on coupler clamps to ensure the strength of the coupler clamps effectively.

Cross-sectional view of

burring swaging



Burring punching shape

The most commonly used swaging method for right-angle couplers (Couplers - Right angle) is four-rivet-pin swaging.

Four-rivet-pin swaging supports orthogonal tubing materials, thus requiring sufficient shearing resistance. The rivet pins are not sturdy enough to withstand the shearing force of a torsional load if applied, and there is a fracture risk.

Burring swaging forms a cross-section to protect the rivet pins as shown in the cross-sectional view on the left-hand side, where the burring part receives the shearing force, thus reducing the shearing force applied to the rivet pins and improving the strength of the coupler as a result.

Coupler - Swivel

●Cross-sectional view of

conventional rivet swaging

●Cross-sectional view of swivel burring swaging

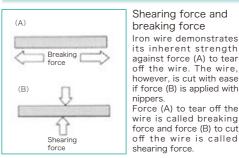


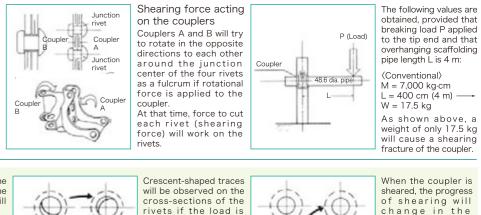
A common swaging method for swivel couplers (Coupler - Swivel) uses pipes and dedicated rivets. A swivel coupler needs clearances where each part can move freely. An increase in the number of parts requires many more clearances. Pipe-employed swaging causes instability in the pipe cutting dimensions, thus requiring a wide allowable range. Consequently, the clearances need to be larger than those processed in any other method. This is a disadvantage of this method. Larger clearances will result in an increase in the rattling range of the couplers, which will develop into the wobbling of the tightened parts caused by the wind or vibration

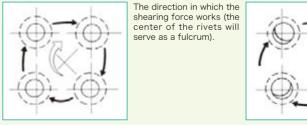
On the other hand, Heiwa' s burring swaging applied to swivel couplers does not use pipes or dedicated rivets, but it performs the single-side burring of the couplers, thus making it possible to minimize the size of each clearance. Burring swaging applied to a large area provides a wide contact area and high resistance against the displacement of the parts superior to that obtained from swaging using pipes and dedicated rivets. (Based on test results compared)

3

Shearing Force and Breaking Force on Right-angle Couplers

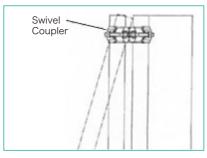






Therefore, a state where three out of the four rivets are shared is often seen with the remaining one stopped in the middle of shearing. If a further load is applied, breaking force will work and the remaining rivet will be cut. There is a difference in cut surface shape between shearing force and breaking force. Therefore, only one of the rivets will differ in cut surface shape.

Precautions for Swivel Couplers



pipe positions are fixed.

Precautions (When Using Couplers)

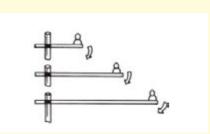
2



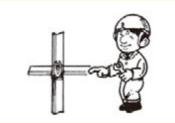
Make sure that at least two workers assemble or disassemble long-pipe scaffolds. It is dangerous for a single worker to assemble or disassemble them. In the case of using couplers, make sure that force applied to each coupler is within the acceptable limit of the clamp in order to ensure the safety of work. It should be noted that a coupler is of construction that cannot withstand a heavy shearing load. Therefore, always use couplers in pairs.

Criteria of Acceptable Resistance (Minimum Safety Factor of Two Years

Permissible resistance of couplers satisfying test criteria						
Coupler - Right angle	500 kg					
Coupler - Swivel	350 kg					



A coupler is of construction that cannot withstand a heavy shearing load. Shearing force applied beyond expectation will break the orthogonal joint rivets if only a single side of a scaffold is secured with couplers and the force is applied to the other end of the scaffold. An excessive reduction of brackets and braces in number or the wrong assembly of them will lead to accidents. Be sure to use couplers within the performance range by fully understanding the performance limits.



It is best to use a suitable tool, such as a ratchet wrench, and apply a coupler bolt tightening torque of 250 to 350 kg·cm. If a spanner wrench is used, hold the position that is approximately 15 cm from the head of the wrench and tighten each bolt. Be careful not to hold the end of the wrench, or otherwise excessive torque (i.e., 500 to 600 kg·cm) will be applied, which may lead to rivet or bolt breakage.



Couplers may be deformed and become unavailable if they are thrown down to the hard ground from high places at the time of removing the scaffolding.



On completion of work, do not hit coupler bolts to remove the couplers or otherwise it will be impossible to reuse the couplers. Be sure to use spanners.



applied in the direction of the arrows

direction based on the rivet in slowest shearing progress serving as a fulcrum.

Swivel couplers are swaged with a circumferential clearance between them so that they can move freely. Therefore, any tracks beyond the clearance will cause excessive force on the swaging parts as a result of the principle of leverage. In the case of performing pipe alignment, temporarily tighten the couplers first. Then tighten them firmly after the



Thank you for your understanding.