



WORLD STEEL

BUILDING TRUST · ASSURING SUCCESS

EDITION 2026

PRODUCT CATALOGUE

OVERHEAD CRANES, GANTRIES & HOISTS

Single and double girder overhead cranes, gantry and jib cranes, monorails and electric hoists – capacities, duty groups, accessories and standards.

■ OVERHEAD ■ GANTRY ■ JIB ■ HOISTS

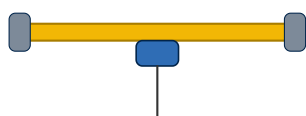
PRODUCT CATALOGUE

WS OVERHEAD CRANES, GANTRIES & HOISTS

Single and double girder overhead cranes, gantry and semi-gantry cranes, jib cranes, monorails, electric wire rope hoists 1–50 t, transfer carts and crane accessories – girders and runways built in our steel plant.

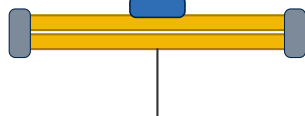
WS CRANE TYPES

Choose by span, capacity, building and duty



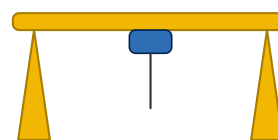
Single girder

overhead crane · to ≈ 20 t · light-medium duty



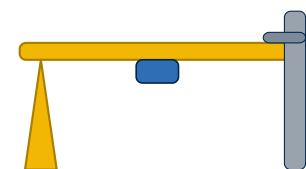
Double girder

overhead crane · to 50 t + · long spans, walkways



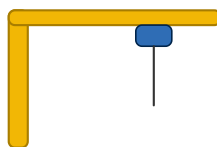
Gantry crane

single / double girder · outdoor yards, precast, steel



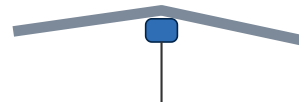
Semi-gantry

one leg + runway · along a building wall



Jib crane

pillar or wall · workstations, loading



Monorail

straight or curved · process lines, light loads

Crane **WORLD STEEL**

CONTENTS

Product	Summary
WS single girder overhead crane	WS single girder overhead cranes with box or I girders and an underhung wire rope hoist – economical lifting for workshops and warehouses to 20 t.
WS double girder overhead crane	WS double girder overhead cranes with box girders, top-running trolley hoist and maintenance walkway – for heavy loads, long spans and maximum hook height.
WS gantry cranes	WS single and double girder gantry cranes, with cantilevers on one or both sides – for stock yards, precast plants, steel yards and hydropower.
WS semi-gantry crane	WS semi-gantry cranes run on a ground rail on one side and a runway beam on the building or wall on the other – ideal along building walls and loading bays.
WS jib cranes	WS pillar and wall-mounted jib cranes with electric hoists – slewing lifting for workstations, machines and quays, from light loads to heavy outdoor jibs.
WS monorail hoist systems	WS monorail systems with electric wire rope or chain hoists on straight or curved beams (radius from 1.5 m) – for process lines, stores and machine loading.
WS electric wire rope hoists	WS electric wire rope hoists from 1 to 50 t in FEM 1Am–3m, with single-rail, double-rail, low-headroom and foot-mounted versions and a full option list.

Product	Summary
WS crane accessories & spare parts	Crane components and spares: control panels, pendants, radio remotes, geared motors, inverters, conductor rails, collectors, wheels and cable reels.
WS rail transfer carts	WS rail-mounted transfer carts for heavy loads between bays and process stations – capacities to 35 t and above, battery, cable-reel or conductor powered.

CRANES & HOISTS

WS SINGLE GIRDER OVERHEAD CRANE

WS single girder overhead cranes with box or I girders and an underhung wire rope hoist – economical lifting for workshops and warehouses to 20 t.



- ▶ Box, I or box + I girder by span and capacity
- ▶ Underhung single-rail trolley hoist
- ▶ Typical capacity 1-20 t, spans to about 30 m
- ▶ Low dead weight – lighter runway and building
- ▶ Pendant or radio control, inverter options

KEY DATA

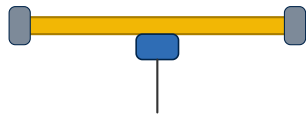
Capacity	1-20 t typical
Span	to about 30 m
Girder	Rolled I, welded box or box + I
Hoist	Electric wire rope hoist, single-rail trolley, standard or low headroom
Speeds	Lifting per hoist table; travel 20/5 m/min standard, inverter optional
Control	Pendant 6-button or radio remote
Power	3-phase 400 V / 50 Hz standard
Duty	FEM 1Am-3m · ISO M4-M6

WHAT IT IS

A single girder overhead crane runs on the runway beams of a building with one main girder between two end carriages. The hoist travels on the bottom flange of the girder (underhung trolley), or a low-headroom hoist is used where the building height is limited. It is the economical choice for workshops, warehouses, maintenance bays and production lines with light to medium duty.

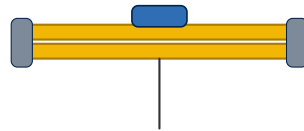
WS CRANE TYPES

Choose by span, capacity, building and duty



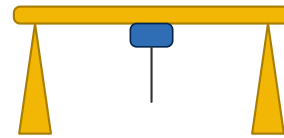
Single girder

overhead crane · to ≈ 20 t · light-medium duty



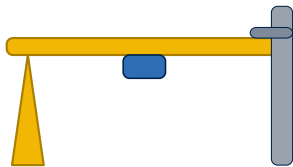
Double girder

overhead crane · to 50 t + · long spans, walkways



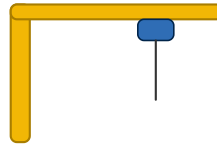
Gantry crane

single / double girder · outdoor yards, precast, steel



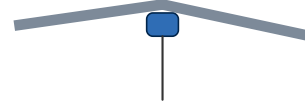
Semi-gantry

one leg + runway · along a building wall



Jib crane

pillar or wall · workstations, loading



Monorail

straight or curved · process lines, light loads

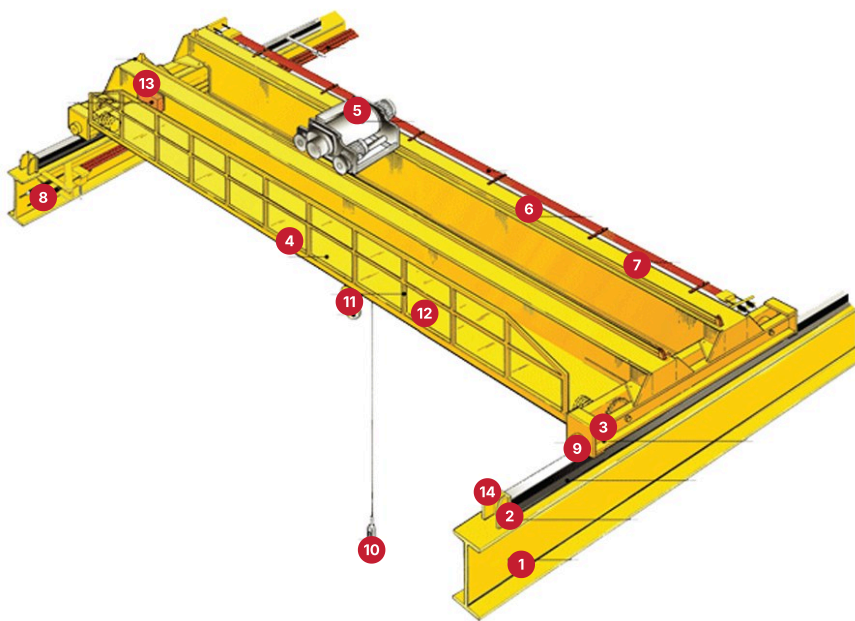
Cranes **WORLD STEEL**

WS crane types.

STRUCTURE

ANATOMY OF AN OVERHEAD CRANE

Double girder overhead crane – main parts



- 1 Runway beam**
Hot-rolled or built-up steel secti...
- 2 Crane rail**
Railway rail, square bar or flat r...
- 3 End carriage**
Channel or box section with buffer...
- 4 Main girder**
Single or double; box, I or box + ...
- 5 Hoist**
Electric wire rope hoist – lift, l...
- 6 Cross travel rail**
On the girder top (double girder)
- 7 Cross conductor**
Festoon cable or conductor rail
- 8 Long travel conductor**
Enclosed safety conductor rail
- 9 Buffer**
Rubber or PU buffers
- 10 Pendant / remote**
Push-button pendant or radio remot...
- 11 Load hook**
Forged hook with safety latch
- 12 Handrail & walkway**
Maintenance walkway on double gird...
- 13 Control panel**
Contactors, inverters, protection
- 14 End stops**
Stoppers for long and cross travel

Cranes **WORLD STEEL**

Main parts of an overhead crane: runway, rails, end carriages, girders, hoist, conductors and controls.

DUTY GROUP

Vietnam: cranes are designed, manufactured and inspected to TCVN 4244:2005 and the lifting-equipment safety regulation QCVN 07:2012/BLĐTBXH, with technical inspection before use.

DUTY GROUPS – FEM AND ISO

Select the duty before the capacity

FEM 9.511	ISO 4301	Typical use	Example
1Bm	M3	Light, occasional lifting	Maintenance, small workshops
1Am	M4	Light to medium	Assembly, warehouses
2m	M5	Medium, regular use	Fabrication shops, production
3m	M6	Heavy, frequent lifting	Steel service centres, precast
4m	M7	Very heavy, continuous	Process and port duty

The group combines load spectrum and running time; the hoist and crane structure are selected for the same group.

US practice uses CMAA classes A–F; Australia AS 1418.1 classes; Europe EN 15011 / EN 14492-2.

Cranes **WORLD STEEL**

Duty groups – FEM 9.511 and ISO 4301.

FINISHES

Paint	Blast cleaned, epoxy primer + polyurethane topcoat in safety yellow or project colour
Marking	Rated capacity and safety slogans on the girder in the client's language
Environment	Tropical, cold, high-temperature or chemical execution for hoists

TO QUOTE, PLEASE SEND

- ▶ Capacity, span, lifting height and hook approach
- ▶ Duty group (FEM / ISO, CMAA or AS 1418)
- ▶ Building drawings: runway level, column grid, clearances
- ▶ Speeds, control (pendant / radio) and power supply
- ▶ Indoor or outdoor, temperature, dust or corrosive environment
- ▶ Destination code and inspection authority

CRANES & HOISTS

WS DOUBLE GIRDER OVERHEAD CRANE

WS double girder overhead cranes with box girders, top-running trolley hoist and maintenance walkway – for heavy loads, long spans and maximum hook height.



- ▶ Two box or I girders with rail-mounted trolley
- ▶ Capacities to 50 t and above
- ▶ Maximum hook height under the girders
- ▶ Maintenance walkway and handrail
- ▶ Open-winch trolleys for heavy duty

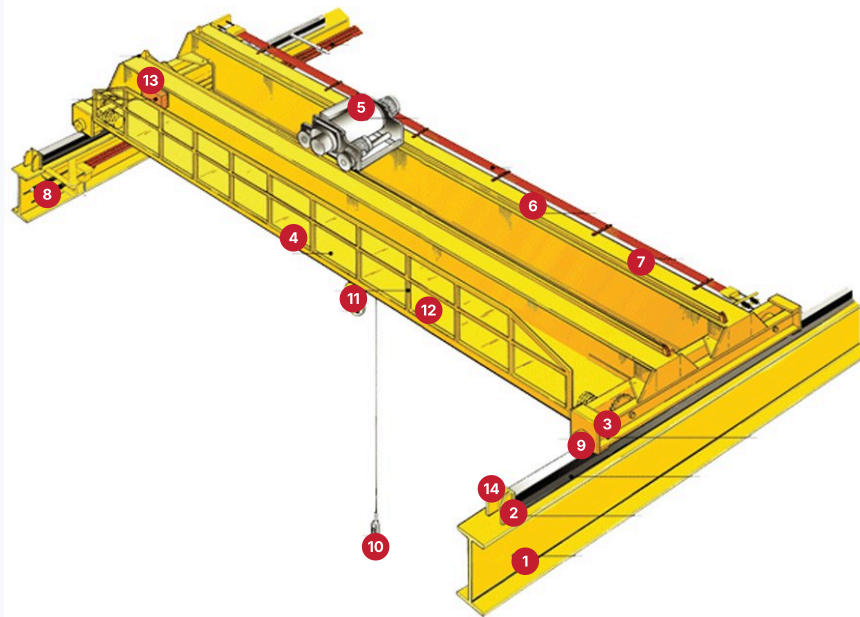
KEY DATA

Capacity	5-50 t + typical
Span	to 35 m +
Girder	Welded box girders
Trolley	Double-rail trolley hoist or open winch
Walkway	Along one or both girders with handrail
Speeds	Trolley 20/6 m/min up to 16 t, 16/5 above
Control	Pendant, radio or cabin
Duty	FEM 1Am-4m · ISO M4-M7

STRUCTURE

ANATOMY OF AN OVERHEAD CRANE

Double girder overhead crane – main parts



- 1 Runway beam**
Hot-rolled or built-up steel secti...
- 2 Crane rail**
Railway rail, square bar or flat r...
- 3 End carriage**
Channel or box section with buffer...
- 4 Main girder**
Single or double; box, I or box + ...
- 5 Hoist**
Electric wire rope hoist – lift, l...
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Contactors, inverters, protection
- 14 End stops**
Stoppers for long and cross travel

Cranes **WORLD STEEL**

Main parts of an overhead crane: runway, rails, end carriages, girders, hoist, conductors and controls.

DUTY GROUP

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DUTY GROUPS – FEM AND ISO

Select the duty before the capacity

FEM 9.511	ISO 4301	Typical use	Example
1Bm	M3	Light, occasional lifting	Maintenance, small workshops
1Am	M4	Light to medium	Assembly, warehouses
2m	M5	Medium, regular use	Fabrication shops, production
3m	M6	Heavy, frequent lifting	Steel service centres, precast
4m	M7	Very heavy, continuous	Process and port duty

The group combines load spectrum and running time; the hoist and crane structure are selected for the same group.

US practice uses CMAA classes A–F; Australia AS 1418.1 classes; Europe EN 15011 / EN 14492-2.

Cranes **WORLD STEEL**

Duty groups – FEM 9.511 and ISO 4301.

FINISHES

Paint	Blast cleaned, epoxy primer + polyurethane topcoat in safety yellow or project colour
Marking	Rated capacity and safety slogans on the girder in the client's language
Environment	Tropical, cold, high-temperature or chemical execution for hoists

TO QUOTE, PLEASE SEND

- ▶ Capacity, span, lifting height and hook approach
- ▶ Duty group (FEM / ISO, CMAA or AS 1418)
- ▶ Building drawings: runway level, column grid, clearances
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CRANES & HOISTS

WS GANTRY CRANES

WS single and double girder gantry cranes, with cantilevers on one or both sides – for stock yards, precast plants, steel yards and hydropower.



- ▶ Single or double girder
- ▶ Cantilevers on one or two sides
- ▶ Rail-mounted, with cable reel or conductor
- ▶ Outdoor execution: wind, storm locks, IP65
- ▶ Hydropower and special gantries

KEY DATA

Capacity	3-50 t + typical
Span	to 35 m +, cantilevers per project
Girders	Single or double, box or truss
Power	Cable reel or conductor rail
Control	Pendant, radio or cabin
Outdoor	Storm anchors, rail clamps, IP65

DUTY GROUP

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DUTY GROUPS – FEM AND ISO

Select the duty before the capacity

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1Bm	M3	Light, occasional lifting	Maintenance, small workshops
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Cranes **WORLD STEEL**

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CRANES & HOISTS

WS SEMI-GANTRY CRANE

WS semi-gantry cranes run on a ground rail on one side and a runway beam on the building or wall on the other – ideal along building walls and loading bays.



- ▶ One leg on a ground rail, one end on a runway
- ▶ Uses the building column line
- ▶ Single or double girder
- ▶ Indoor or outdoor

KEY DATA

Capacity	3-20 t typical
Span	to about 25 m
Girder	Single or double
Power	Conductor rail or cable reel

DUTY GROUP

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DUTY GROUPS – FEM AND ISO

Select the duty before the capacity

FEM 9.511	ISO 4301	Typical use	Example
1Bm	M3	Light, occasional lifting	Maintenance, small workshops
1Am	M4	Light to medium	Assembly, warehouses
2m	M5	Medium, regular use	Fabrication shops, production
3m	M6	Heavy, frequent lifting	Steel service centres, precast
4m	M7	Very heavy, continuous	Process and port duty

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Cranes **WORLD STEEL**

Duty groups – FEM 9.511 and ISO 4301.

FINISHES

Paint	Blast cleaned, epoxy primer + polyurethane topcoat in safety yellow or project colour
Marking	Rated capacity and safety slogans on the girder in the client's language
Environment	Tropical, cold, high-temperature or chemical execution for hoists

TO QUOTE, PLEASE SEND

- ▶ Capacity, span, lifting height and hook approach
- ▶ Duty group (FEM / ISO, CMAA or AS 1418)
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- ▶ Indoor or outdoor, temperature, dust or corrosive environment
- ▶ Destination code and inspection authority

CRANES & HOISTS

WS JIB CRANES

WS pillar and wall-mounted jib cranes with electric hoists – slewing lifting for workstations, machines and quays, from light loads to heavy outdoor jibs.



- ▶ Pillar or wall-mounted
- ▶ Manual or powered slewing
- ▶ Wire rope or chain hoist
- ▶ Workstations, machines, quays

KEY DATA

Capacity	0.25–10 t typical
Outreach	to about 10 m
Slewing	180°–360°, manual or powered
Mounting	Pillar on foundation, wall bracket or column

DUTY GROUP

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DUTY GROUPS – FEM AND ISO

Select the duty before the capacity

FEM 9.511	ISO 4301	Typical use	Example
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1Am	M4	Light to medium	Assembly, warehouses
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Cranes **WORLD STEEL**

Duty groups – FEM 9.511 and ISO 4301.

FINISHES

Paint	Blast cleaned, epoxy primer + polyurethane topcoat in safety yellow or project colour
Marking	Rated capacity and safety slogans on the girder in the client's language
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TO QUOTE, PLEASE SEND

- ▶ Capacity, span, lifting height and hook approach
- ▶ Duty group (FEM / ISO, CMAA or AS 1418)
- ▶ Building drawings: runway level, column grid, clearances
- ▶ Speeds, control (pendant / radio) and power supply
- ▶ Indoor or outdoor, temperature, dust or corrosive environment
- ▶ Destination code and inspection authority

CRANES & HOISTS

WS MONORAIL HOIST SYSTEMS

WS monorail systems with electric wire rope or chain hoists on straight or curved beams (radius from 1.5 m) – for process lines, stores and machine loading.



- ▶ Straight or curved beams, radius ≥ 1.5 m
- ▶ Standard or low-headroom trolley hoists
- ▶ Hoist travel 20/6.5 or 20/5 m/min
- ▶ Hung from the roof structure or own supports

KEY DATA

Capacity	0.5–10 t typical
Beam	I-section or special track, straight or curved
Curve radius	≥ 1.5 m
Hoist	Wire rope or chain hoist, standard or low headroom

DUTY GROUP

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DUTY GROUPS – FEM AND ISO

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FEM 9.511	ISO 4301	Typical use	Example
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Cranes **WORLD STEEL**

Duty groups – FEM 9.511 and ISO 4301.

FINISHES

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Marking	Rated capacity and safety slogans on the girder in the client's language
Environment	Tropical, cold, high-temperature or chemical execution for hoists

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- ▶ Capacity, span, lifting height and hook approach
- ▶ Duty group (FEM / ISO, CMAA or AS 1418)
- ▶ Building drawings: runway level, column grid, clearances
- ▶ Speeds, control (pendant / radio) and power supply
- ▶ Indoor or outdoor, temperature, dust or corrosive environment
- ▶ Destination code and inspection authority

CRANES & HOISTS

WS ELECTRIC WIRE ROPE HOISTS

WS electric wire rope hoists from 1 to 50 t in FEM 1Am–3m, with single-rail, double-rail, low-headroom and foot-mounted versions and a full option list.



- ▶ Capacity 1–50 t
- ▶ FEM 1Am / 2m / 3m · ISO M4–M6
- ▶ Reeving 2/1, 4/1 or true vertical 4/2
- ▶ Two speeds or inverter control
- ▶ Hook travel up to 80 m

KEY DATA

Capacity	1–50 t
Duty	FEM 1Am, 2m, 3m · ISO M4, M5, M6
Reeving	2/1, 4/1; 4/2 true vertical lift optional
Lifting height	7–26 m standard, up to 80 m
Power	3-phase 400 V / 50 Hz; 415–500 V, 60 Hz optional
Control voltage	48 V; 24–220 V optional
Protection	IP54; IP65 / IP66 optional
Temperature	–20 ... +40 °C; –40 ... +60 °C options

STANDARD PRODUCTS

WS ELECTRIC WIRE ROPE HOISTS – STANDARD PRODUCTS (LIFTING SPEED V1 / V2 IN M/MIN: MAIN / CREEP; HOOK TRAVEL H0–H3 IN M)

Capacity (kg)	FEM	ISO	WS frame	Reeving	V1	V2	H0	H1	H2	H3
1,000	2m	M5	WH-205 / WH-305	2/1	8/2.6	12/4	10	14	20	26
1,250	3m	M6	WH-306	2/1	8/2.6	12/4	10	14	20	–
1,600	3m	M6	WH-304	4/1	4/1.3	6/2	–	7	10	13
1,600	2m	M5	WH-308	2/1	8/2.6	12/4	10	14	20	–
2,000	3m	M6	WH-310	2/1	8/2.6	12/4	10	14	20	–
2,000	2m	M5	WH-305	4/1	4/1.3	6/2	–	7	10	13
2,500	3m	M6	WH-313	2/1	8/2.6	12/4	10	14	20	–
2,500	3m	M6	WH-306	4/1	4/1.3	6/2	–	7	10	13

Capacity (kg)	FEM	ISO	WS frame	Reeving	V1	V2	H0	H1	H2	H3
2,500	2m	M5	WH-312	2/1	8/2.6	12/4	10	14	20	–
3,200	2m	M5	WH-316	2/1	8/2.6	12/4	10	14	20	–
3,200	2m	M5	WH-308	4/1	4/1.3	6/2	–	7	10	13
4,000	3m	M6	WH-310	4/1	4/1.3	6/2	–	7	10	13
4,000	3m	M6	WH-520	2/1	8/2.6	12/4	10	14	20	–
5,000	3m	M6	WH-313	4/1	4/1.3	6/2	–	7	10	13
5,000	2m	M5	WH-312	4/1	4/1.3	6/2	–	7	10	13
5,000	2m	M5	WH-525	2/1	8/2.6	12/4	10	14	20	26
6,300	3m	M6	WH-732	2/1	8/2.6	12/1.8	14	19	26	–
6,300	2m	M5	WH-316	4/1	4/1.3	6/2	–	7	10	13
8,000	3m	M6	WH-520	4/1	4/1.3	6/2	–	7	10	13
8,000	2m	M5	WH-740	2/1	8/2.6	12/1.8	13	18	25	32
10,000	2m	M5	WH-525	4/1	4/1.3	6/2	–	7	10	13
10,000	1Am	M4	WH-750	2/1	5.5/1.3	8.3/2.7	13	18	25	–
10,000	2m	M5	WH-950	2/1	5/1.2	10/1.5	–	20	32	–
12,500	3m	M6	WH-732	4/1	4/1.3	6/0.9	6.5	9	12.5	16
16,000	2m	M5	WH-740	4/1	4/1.3	6/0.9	6.5	9	12.5	16
16,000	3m	M6	WH-940	4/1	2.5/0.6	5/0.75	–	10	16	24
20,000	1Am	M4	WH-750	4/1	2.8/0.7	4.1/1.3	6.5	9	12.5	16
20,000	2m	M5	WH-950	4/1	2.5/0.6	5/0.75	–	10	16	24
20,000	2m	M5	WH-1100	2/1	3/0.7	5/0.7	20	24	30	–
25,000	1Am	M4	WH-963	4/1	2.5/0.6	5/0.75	–	10	16	24
25,000	1Am	M4	WH-1125	2/1	3/0.7	5/0.7	20	24	30	–
32,000	1Am	M4	WH-980	4/1	2.5/0.6	3.7/0.6	–	10	16	24
32,000	1Am	M4	WH-980 (inverter)	4/1	3.7/1	0.5–5.0	–	10	16	24
40,000	2m	M5	WH-1100	4/1	1.5/0.35	2.5/0.35	10	12	15	22
40,000	2m	M5	WH-1100 (inverter)	4/1	2.5/0.8	0.4–4.0	10	12	15	22
50,000	1Am	M4	WH-1125	4/1	1.5/0.35	2.5/0.35	10	12	15	22
50,000	1Am	M4	WH-1125 (inverter)	4/1	2/0.6	0.3–3.0	10	12	15	22

HOIST TRAVEL SPEED (M/MIN), CAPACITY TO 16 T

Trolley type	Speed
Monorail electric trolley, standard headroom	20/6.5
Monorail electric trolley, low headroom	20/5

Trolley type	Speed
Double-rail trolley	20/6 up to 16 t · 16/5 above 16 t

STANDARD AND OPTIONAL

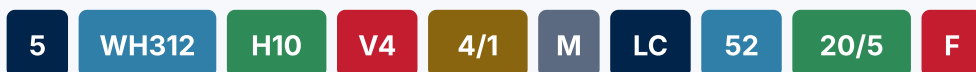
STANDARD AND OPTIONAL EQUIPMENT

Item	Standard	Optional
Motors	Dual-speed motors	Inverter control
Speeds	Standard table V1, V2	Other speeds
Lifting height	7–26 m	Up to 80 m (by capacity)
Power supply	3-phase AC 400 V / 50 Hz	415 V, 480 V, 500 V, 60 Hz
Control	Control panel + 6-button pendant	Radio remote, other pendants
Control voltage	48 V	24, 42, 110, 220 V
Temperature	–20 ... +40 °C	–40 °C, +50 °C, +60 °C
Humidity	< 80 %	> 80 %
Protection	IP54	IP65, IP66
Monorail	Straight	Curved, radius ≥ 1.5 m
Reeving	2/1, 4/1	True vertical lift 4/2

TYPE CODE

WS WIRE ROPE HOIST – TYPE CODE

Example: 5 WH312 H10 V4 4/1 M LC 52 20/5 F



5	Capacity in tonnes
WH 312	Hoist frame: size 3, drum force 12 kN
H10	Hook travel, m
V4	Lifting speed, m/min (50 Hz)
4/1	Reeving (rope falls)
M	Speed type: M micro · D double · S single · I inverter
LC	Mounting: F foot · N normal headroom · NR curved · LC / LB low headroom · DU / DX double-rail trolley
52	Electrical: 20 e-stop + thermal · 21 + key · 52 load limiter + e-stop + thermal · 53 + key
20/5	Trolley speed, m/min
F	Climate: – standard · F cold · G high temp. · T tropical · X chemical

Cranes **WORLD STEEL**

WS wire rope hoist type code.

READING THE CODE 5 WH312 H10 V4 4/1 M LC 52 20/5 F

Field	Meaning
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DUTY GROUP

Vietnam: cranes are designed, manufactured and inspected to TCVN 4244:2005 and the lifting-equipment safety regulation QCVN 07:2012/BLĐTBXH, with technical inspection before use.

DUTY GROUPS – FEM AND ISO

Select the duty before the capacity

FEM 9.511	ISO 4301	Typical use	Example
1Bm	M3	Light, occasional lifting	Maintenance, small workshops
1Am	M4	Light to medium	Assembly, warehouses
2m	M5	Medium, regular use	Fabrication shops, production
3m	M6	Heavy, frequent lifting	Steel service centres, precast
4m	M7	Very heavy, continuous	Process and port duty

The group combines load spectrum and running time; the hoist and crane structure are selected for the same group.

US practice uses CMAA classes A–F; Australia AS 1418.1 classes; Europe EN 15011 / EN 14492-2.

Crane **WORLD STEEL**

Duty groups – FEM 9.511 and ISO 4301.

FINISHES

Paint	Blast cleaned, epoxy primer + polyurethane topcoat in safety yellow or project colour
Marking	Rated capacity and safety slogans on the girder in the client's language
Environment	Tropical, cold, high-temperature or chemical execution for hoists

TO QUOTE, PLEASE SEND

- ▶ Capacity, span, lifting height and hook approach
- ▶ Duty group (FEM / ISO, CMAA or AS 1418)
- ▶ Building drawings: runway level, column grid, clearances
- ▶ Speeds, control (pendant / radio) and power supply
- ▶ Indoor or outdoor, temperature, dust or corrosive environment
- ▶ Destination code and inspection authority

CRANES & HOISTS

WS CRANE ACCESSORIES & SPARE PARTS

Crane components and spares: control panels, pendants, radio remotes, geared motors, inverters, conductor rails, collectors, wheels and cable reels.



- ▶ Control panels, pendants, radio remotes
- ▶ Travel geared motors and inverters
- ▶ Conductor rails, collectors, tensioners
- ▶ Crane wheels and geared wheel blocks
- ▶ Cable reels, wire rope, sensors

KEY DATA

Electrics	Panels, pendants, radio remotes, inverters, sensors
Drives	Geared brake motors for long and cross travel
Power supply	Conductor rails, collectors 3P / 4P, tensioners, cable reels, festoons
Mechanical	Crane wheels, geared wheel blocks, buffers, wire rope, hooks

COMPONENTS

CRANE ACCESSORIES

Component	Description
Electric control panel	Contactors, overload relays, inverters and main isolator in an IP-rated enclosure.
Cable reel	Spring or motor reel for power to mobile gantries and transfer carts.
Pendant push-button stations	2- to 12-button pendants with emergency stop and two-step speed buttons.
Radio remote control	Industrial radio control with emergency stop and receiver in the panel.
Travel geared motors	Brake motors with helical, bevel or parallel-shaft gearboxes for long and cross travel.
Frequency inverters	Soft start and stop, variable speed and reduced load swing.
Current collectors (3P / 4P)	Collector arms running in the enclosed conductor rail.
Enclosed conductor rail	Insulated safety conductor rail for long and cross travel.
Rail tensioners (strainers)	Tension and anchor conductor rails and festoon wires.
Crane wheels	Forged or cast wheels with bearings, flanged or flangeless.
Geared wheel blocks	Wheel with integral gear ring for driven end carriages.
Steel wire rope & drums	Galvanised or bright wire rope, grooved drums and rope guides.



Electric control panel – Contactors, overload relays, inverters and main isolator in an IP-rated enclosure.



Cable reel – Spring or motor reel for power to mobile gantries and transfer carts.



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CRANES & HOISTS

WS RAIL TRANSFER CARTS

WS rail-mounted transfer carts for heavy loads between bays and process stations – capacities to 35 t and above, battery, cable-reel or conductor powered.



- ▶ Capacity to 35 t and above
- ▶ Rail-mounted, low deck height
- ▶ Battery, cable reel or conductor power
- ▶ Custom decks and cradles

KEY DATA

Capacity	to 35 t +
Track	Floor rails, straight
Power	Battery, cable reel or conductor
Control	Pendant or radio

DUTY GROUP

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Cranes **WORLD STEEL**

Duty groups – FEM 9.511 and ISO 4301.

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- ▶ Indoor or outdoor, temperature, dust or corrosive environment
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OVERHEAD CRANES, GANTRIES & HOISTS - CATALOGUE

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EN 1090 EXC3 · CE

ISO 3834-2

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