

FRAMEAI

Industrial Portal Frame â 36m Span, HEA 300, S355, EXC 2 | 2026-06-17 | EXC 2 | EN 1090-2

FABRICATION DRAWING SET

MEMBER SCHEDULE

Mark

C01	4x ^ 26 â EN 1993-1-8
C02	4x ^ 26 â EN 1993-1-8
R01	4x ^ 26 â EN 1993-1-8
R02	4x ^ 26 â EN 1993-1-8
	2x ^ 26 â EN 1993-1-8

EUROCODE DESIGN CHECKS

- EN 1993-1-1 §6.2 Cross-section: Class 1 plastic, section analysis
EN 1993-1-1 §6.3 Member buckling: Curves a/b, stability verification
EN 1993-1-8 §6.2 Connections: End-plate moment, extended
EN 1991-1-4 Wind actions â zone B/C per location
EN 1991-1-3 Snow actions â sk kN/m2 per Altitude / Region
EN 1090-2 Execution class EXC 2

Industrial Portal Frame - 36m Span, HEA 300, S355, EXC 2 - Part 2 of 5

C01 | HEA300 | S2/5

C01

HEA300

S355 | 12,000 mm | Qty: 1

MEMBER DETAILS

Part Mark

Profile

Steel Grade

Length

Qty

Finish

Tolerance

Marking

BOLT HOLES

4 No. x 26 mm - 10.9 preloaded EN 1993-1-8 §3.6

DESIGN NOTES

EN 1993-1-1 §6.3 - column, curve b

EXC 2 - EN 1090-2

HEA300

C01

-- Flange edge

-- Web centreline

Part mark label

12,000 mm

Industrial Portal Frame â 36m Span, HEA 300, S355, EXC 2 â Part 3 of 5

C02 | HEA300 | S3/5

C02

HEA300

S355 | 12,000 mm | Qty: 1

MEMBER DETAILS

Part Mark

Profile

Steel Grade

Length

Qty

Finish

Tolerance

Marking

BOLT HOLES

4 No. x ^ 26 mm â 10.9 preloaded EN 1993-1-8 §3.6

DESIGN NOTES

EN 1993-1-1 §6.3 â column, curve b

EXC 2 â EN 1090-2

HEA300

C02

-- Flange edge

-- Web centreline

Part mark label

12,000 mm

Industrial Portal Frame - 36m Span, HEA 300, S355, EXC 2 - Part 4 of 5

R01 | IPE450 | S4/5

R01

IPE450

S355 | 18,000 mm | Qty: 1

MEMBER DETAILS

Part Mark

Profile

Steel Grade

Length

Qty

Finish

Tolerance

Marking

BOLT HOLES

4 No. x 26 mm - 10.9 preloaded EN 1993-1-8 §3.6

DESIGN NOTES

EN 1993-1-1 §6.2 - rafter, Class 1

IPE450

R01

-- Flange edge

-- Web centreline

Part mark label

18,000 mm

