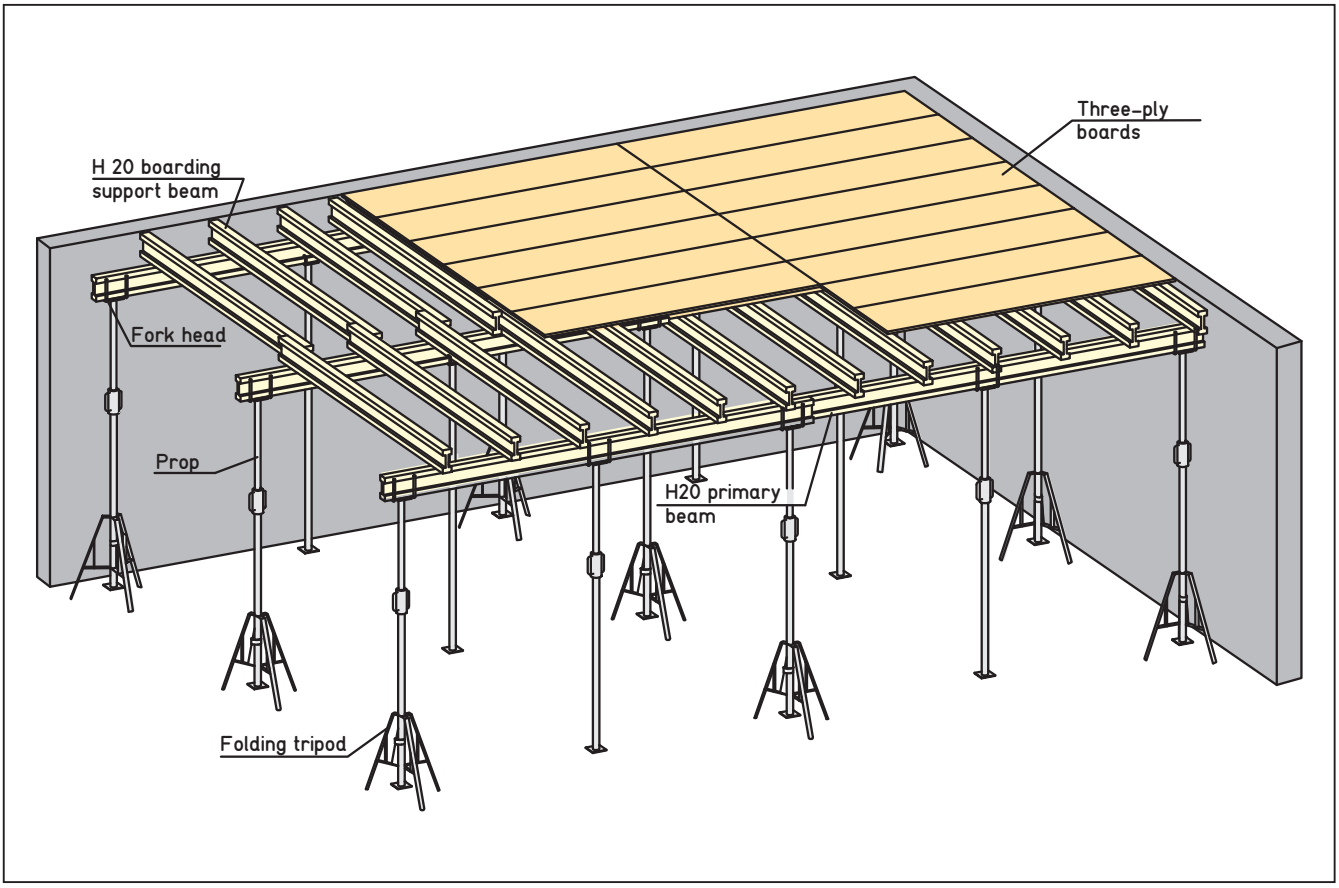
THE FORMWORK

# NOE® H20 Deck

# NOE H20 deck formwork
# Efficient and cost effective

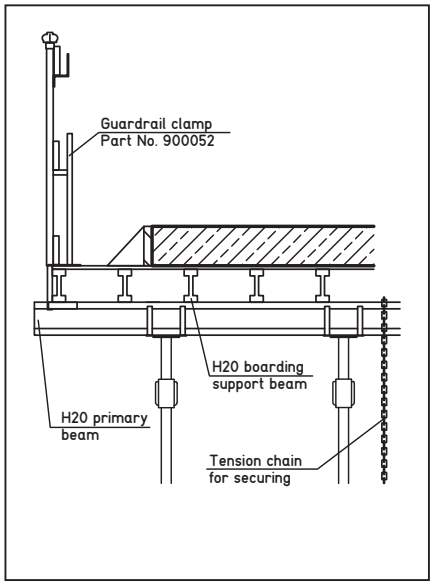


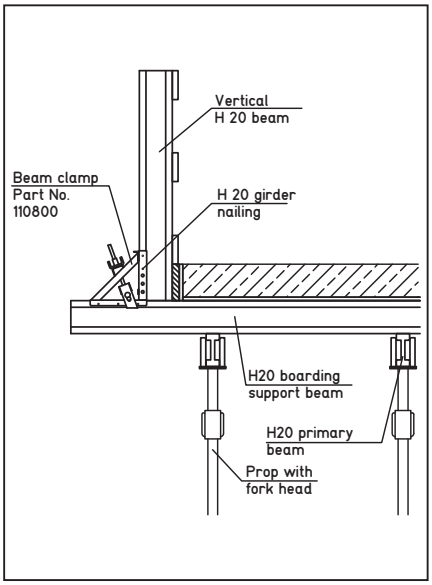

The NOE H20 deck formwork can be easily adapted to suit the particular application, such as

- Plan layout
- Deck thickness
- Facing
- Integration of beams

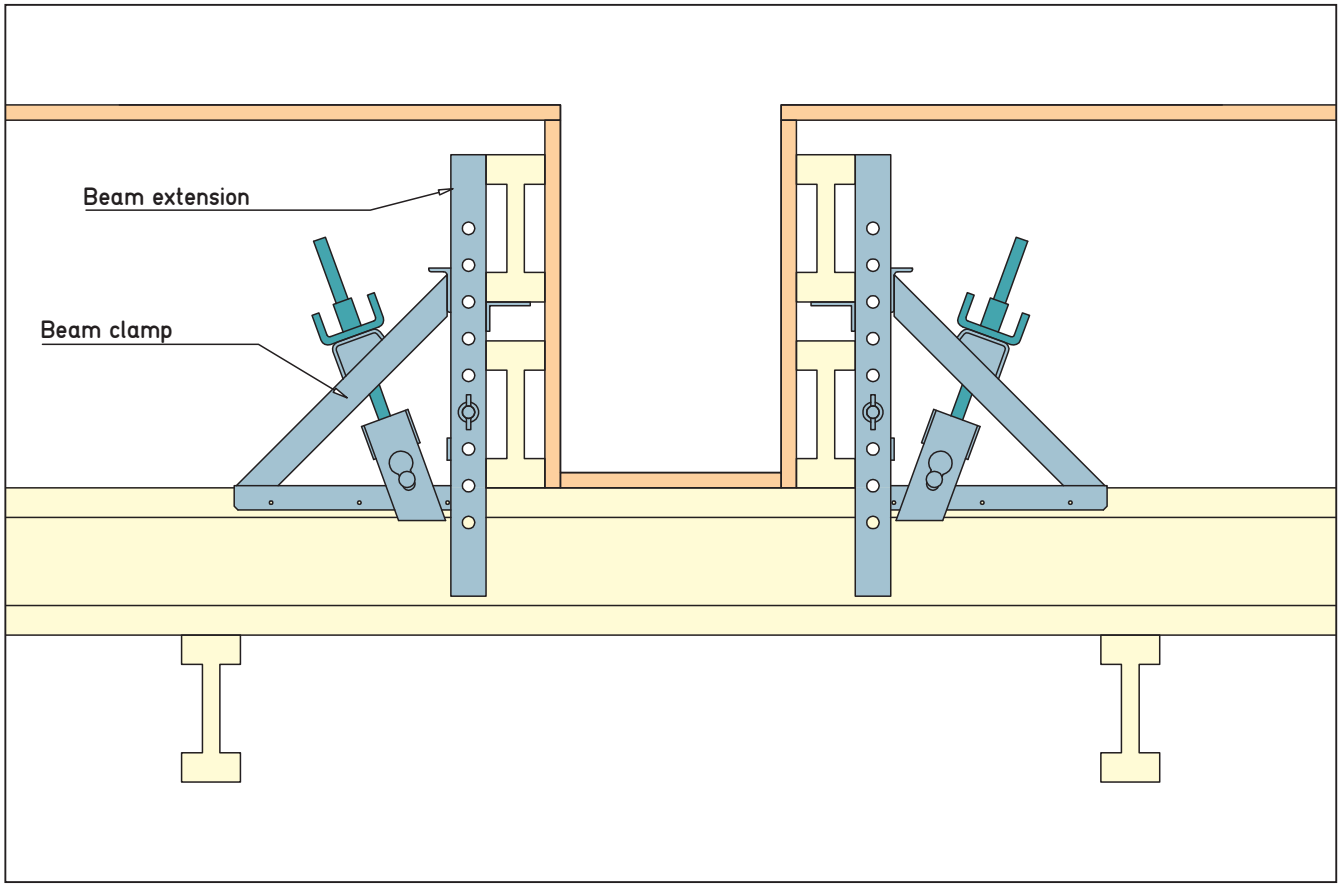
and is notable for the way each component is perfectly designed to be used with the rest of the system.

**Important:**
Simple, inexpensive edge formzwork, designed to be inherently safe and straightforward to use.



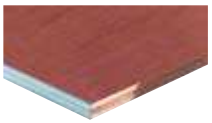




# NOE H 20 beam formwork
# A safe investment



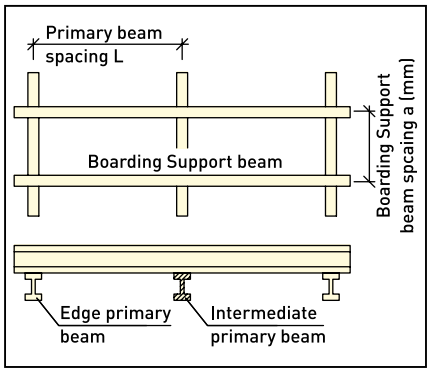

- Cost-effective system
- Infinitely adjustable for the beam cross sections up to 700 mm deep
- No bolting or tying through the beam
- Wedge cannot be lost as it is fastened to the beam angle
- Cost-effective solution for deck edge formwork
- Simple to integrate anti-fall guard
- Usable as freestanding units or in combination with deck formwork

# NOE H 20 deck formwork

| | Description | Length mm | Width mm | Area m² | Weight ca. kg | Part No. |
|---|---|---|---|---|---|---|
|  | **3-ply formwork board**<br>hot glued, both sides resin treated,<br>with E-profile edge protection,<br>full edge seal | 2500 | 500 | 1.25 | 14.80 | **460668** |
|  | **H 20-timber beam** | 5900 | | | 26.90 | **110590** |
| | | 4900 | | | 22.34 | **110490** |
| | | 3900 | | | 17.78 | **110390** |
| | | 3300 | | | 15.05 | **110330** |
| | | 2900 | | | 13.22 | **110290** |
| | **Special lengths on request** | 2500 | | | 11.40 | **110250** |
|  | **Fork head,** galvanised | | | | 4.10 | **110715** |
| | **Spring pin,**<br>12 x 80 mm, for fork head, galvanised | | | | 0.11 | **555990** |
|  | **Euro-deckprop** in acc. with EN 1065,<br>with test mark, external thread, galvanised | | | | | |
| | **Load 20 kN** | | | | | |
| | D 25, bright orange marking | 1700–2500 | | | 14.00 | **697525** |
| | D 30, bright yellow marking | 1800–3000 | | | 15.05 | **697530** |
| | D 35, bright red marking | 2100–3500 | | | 21.00 | **697535** |
| | **Load 30 kN** | | | | | |
| | E 25, violet marking | 1700–2500 | | | 16.00 | **697425** |
| | E 30, magenta kmarking | 1800–3000 | | | 19.80 | **697430** |
| | E 35, orange marking | 2100–3500 | | | 24.70 | **697435** |
| | E 40, black marking | 2300–4000 | | | 28.10 | **697440** |
|  | **Folding tripod**<br>with clip fastening, usable for all commonly<br>available props of size 48–80 mm | | | | 10.50 | **900070** |

## Boarding support beam spacing a

When used with 22 mm three-ply boards, support transverse to fibre direction.




| Boarding support beam spacing a (mm) | 500 | 625 | 750 |
|---|---|---|---|
| Max. Deck thickness d (mm) | 400 | 320 | 220 |

Max. deflection of the panels: a/500 for loading in acc. with DIN EN 12812

## Load calculation in acc. with DIN EN 12812

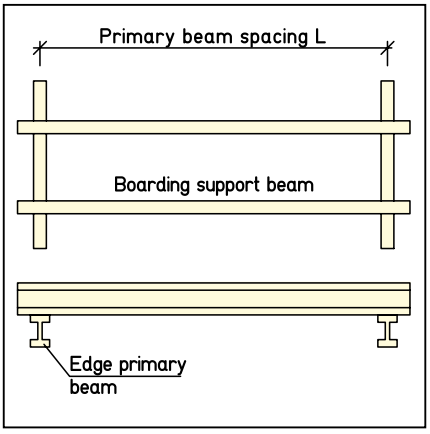
Formwork weight g: $g = 0.35$ kN/m²
Live loads v: $v = 0.75$ kN/m² (Load Cl. 1)
Concrete load b: $b = 25 \times d$ kN/m²
Fill weight concrete p: $p = 0.1 \times b$ kN/m²
$0.75 \leq p \leq 1.75$ kN/m²
Load q: $q = g + v + b + p$

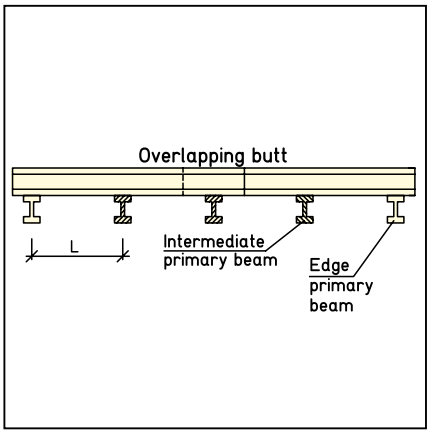
## Max. primary beam spacing L (in m)

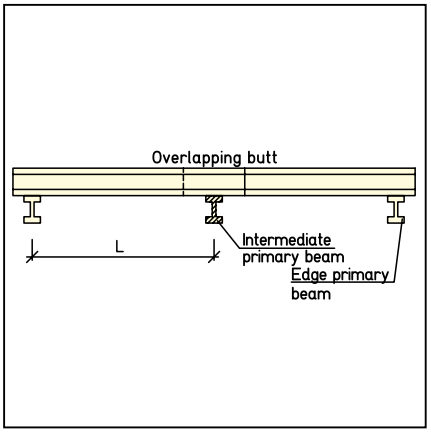
| Deck thickness (mm) | | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Boarding support beam spacing (mm) | 500 | 3.05 | 2.96 | 2.87 | 2.79 | 2.72 | 2.66 | 2.6 | 2.55 | 2.5 | 2.45 | 2.41 | 2.37 | 2.32 | 2.29 | 2.25 |
| | 625 | 2.84 | 2.74 | 2.66 | 2.59 | 2.53 | 2.47 | 2.42 | 2.37 | 2.32 | 2.28 | 2.24 | (2.20) | (2.16) | (2.12) | (2.09) |
| | 750 | 2.67 | 2.58 | 2.51 | 2.44 | 2.38 | 2.32 | (2.27) | (2.23) | (2.18) | (2.14) | (2.10) | (2.07) | (2.03) | (2.00) | (1.97) |

Max. deflection of the boarding support beam: L/500 for loads in accordance with DIN EN 12812.
Values in brackets not for 22 mm three-ply panels.

# Prop spacing and prop force
# For intermediate and edge primary beams




**Prop spacing s and prop force for intermediate and edge primary beams**
I = edge primary beam  **I** = intermediate primary beam

| d | q | Primary beam spacing L (m) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 2.75 | | 3.00 | |
| mm | kN/m² | I | **I** | I | **I** | I | **I** | I | **I** | I | **I** | I | **I** | I | **I** | I | **I** |
| 100 | 4.4 | 2.63 | 2.33 | 2.51 | 2.20 | 2.42 | 2.09 | 2.33 | 2.00 | 2.26 | 1.92 | 2.20 | 1.85 | 2.14 | 1.79 | 2.09 | 1.69 |
| | | 10.0 | 12.7 | 10.9 | 14.3 | 11.8 | 15.9 | 12.7 | 17.4 | 13.5 | 18.8 | 14.3 | 20.1 | 15.1 | 21.5 | 15.9 | 22.0 |
| 120 | 4.9 | 2.53 | 2.25 | 2.42 | 2.12 | 2.33 | 2.01 | 2.25 | 1.92 | 2.18 | 1.85 | 2.12 | 1.78 | 2.06 | 1.65 | 2.01 | 1.51 |
| | | 10.8 | 13.6 | 11.8 | 15.4 | 12.7 | 17.1 | 13.6 | 18.7 | 14.5 | 20.2 | 15.4 | 21.7 | 16.3 | 22.0 | 17.1 | 22.0 |
| 140 | 5.4 | 2.45 | 2.18 | 2.35 | 2.05 | 2.26 | 1.95 | 2.18 | 1.86 | 2.11 | 1.79 | 2.05 | 1.64 | 2.00 | 1.50 | 1.95 | 1.37 |
| | | 11.5 | 14.6 | 12.6 | 16.4 | 13.6 | 18.2 | 14.6 | 19.9 | 15.5 | 21.6 | 16.4 | 22.0 | 17.4 | 22.0 | 18.2 | 22.0 |
| 160 | 5.9 | 2.38 | 2.11 | 2.28 | 1.99 | 2.19 | 1.89 | 2.11 | 1.81 | 2.05 | 1.67 | 1.99 | 1.50 | 1.94 | 1.37 | 1.89 | 1.28 |
| | | 12.2 | 15.5 | 13.3 | 17.5 | 14.4 | 19.3 | 15.5 | 21.2 | 16.5 | 22.0 | 17.5 | 22.0 | 18.4 | 22.0 | 19.3 | 22.0 |
| 180 | 6.4 | 2.32 | 2.06 | 2.22 | 1.94 | 2.13 | 1.84 | 2.06 | 1.73 | 1.99 | 1.54 | 1.94 | 1.39 | 1.89 | 1.26 | 1.84 | 1.15 |
| | | 12.9 | 16.3 | 14.1 | 18.4 | 15.2 | 20.4 | 16.3 | 22.0 | 17.4 | 22.0 | 18.4 | 22.0 | 19.5 | 22.0 | 20.4 | 20.0 |
| 200 | 6.9 | 2.26 | 2.01 | 2.16 | 1.89 | 2.08 | 1.79 | 2.01 | 1.61 | 1.94 | 1.43 | 1.89 | 1.28 | 1.84 | 1.17 | 1.79 | 1.07 |
| | | 13.5 | 17.2 | 14.8 | 19.4 | 16.0 | 21.5 | 17.2 | 22.0 | 18.3 | 22.0 | 19.4 | 22.0 | 20.5 | 22.0 | 21.5 | 22.0 |
| 220 | 7.4 | 2.21 | 1.96 | 2.11 | 1.84 | 2.03 | 1.71 | 1.96 | 1.50 | 1.90 | 1.33 | 1.84 | 1.20 | 1.80 | 1.09 | 1.71 | 1.00 |
| | | 14.2 | 18.0 | 15.50 | 20.3 | 16.8 | 22.0 | 18.0 | 22.0 | 19.2 | 22.0 | 20.3 | 22.0 | 21.4 | 22.0 | 22.0 | 22.0 |
| 240 | 7.9 | 2.16 | 1.92 | 2.06 | 1.80 | 1.99 | 1.60 | 1.92 | 1.40 | 1.86 | 1.25 | 1.80 | 1.12 | 1.72 | 1.02 | 1.60 | 0.93 |
| | | 14.8 | 18.8 | 16.2 | 21.2 | 17.5 | 22.0 | 18.8 | 22.0 | 20.0 | 22.0 | 21.2 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 260 | 8.4 | 2.11 | 1.88 | 2.02 | 1.76 | 1.95 | 1.51 | 1.88 | 1.32 | 1.82 | 1.17 | 1.76 | 1.05 | 1.62 | 0.96 | 1.51 | 0.88 |
| | | 15.5 | 19.6 | 16.9 | 22.0 | 18.3 | 22.0 | 19.6 | 22.0 | 20.9 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 280 | 8.9 | 2.07 | 1.84 | 1.98 | 1.66 | 1.91 | 1.42 | 1.84 | 1.24 | 1.78 | 1.10 | 1.66 | 0.99 | 1.53 | 0.90 | 1.42 | 0.83 |
| | | 16.1 | 20.4 | 17.6 | 22.0 | 19.0 | 22.0 | 20.4 | 22.0 | 21.7 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 300 | 9.4 | 2.04 | 1.81 | 1.95 | 1.57 | 1.87 | 1.34 | 1.81 | 1.118 | 1.71 | 1.05 | 1.57 | 0.94 | 1.45 | 0.86 | 1.34 | 0.78 |
| | | 16.7 | 21.1 | 18.2 | 22.0 | 19.7 | 22.0 | 21.1 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 320 | 9.9 | 2.00 | 1.77 | 1.91 | 1.48 | 1.84 | 1.27 | 1.77 | 1.11 | 1.62 | 0.99 | 1.48 | 0.89 | 1.37 | 0.81 | 1.27 | 0.74 |
| | | 17.3 | 22.0 | 18.9 | 22.0 | 20.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 340 | 10.5 | 1.96 | 1.68 | 1.88 | 1.40 | 1.80 | 1.20 | 1.68 | 1.05 | 1.53 | 0.94 | 1.40 | 0.84 | 1.30 | 0.77 | 1.20 | 0.70 |
| | | 17.9 | 22.0 | 19.6 | 22.0 | 21.2 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 360 | 11.0 | 1.93 | 1.60 | 1.85 | 1.33 | 1.77 | 1.14 | 1.60 | 1.00 | 1.45 | 0.89 | 1.33 | 0.80 | 1.23 | 0.73 | 1.14 | 0.67 |
| | | 18.6 | 22.0 | 20.3 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 380 | 11.6 | 1.90 | 1.52 | 1.82 | 1.27 | 1.69 | 1.09 | 1.52 | 0.95 | 1.39 | 0.85 | 1.27 | 0.76 | 1.17 | 0.69 | 1.09 | 0.63 |
| | | 19.2 | 22.0 | 21.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 400 | 12.1 | 1.87 | 1.45 | 1.79 | 1.21 | 1.62 | 1.04 | 1.45 | 0.91 | 1.32 | 0.81 | 1.21 | 0.73 | 1.12 | 0.66 | 1.04 | 0.61 |
| | | 19.8 | 22.0 | 21.6 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |

Prop spacing S (m)  Prop force (kN)

Deflection of the primary beam max. S/500 for load in acc. with DIN EN 12812. When using the table, observe the maximum allowable primary beam spacing of the table “Max. primary beam spacing L”.

THE FORMWORK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Subject to technical modifications.
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