BTMX BASIS

INNOVATIVE FOUNDATION CONSTRUCTION TECHNOLOGY

HELPING CONSTRUCTION COMPANIES REDUCE CONSTRUCTION TIME AND LOWER THE COST OF FOUNDATION BUILDING

BIMX BASIS TECHNOLOGY -

the simplest and fastest way to earn in the construction business

Site preparation and marking

Delivery of piles

Delivery of pile driving equipment

Pile driving

Pile binding with grillage/beam

Ready foundation

BIMX BASIS

BIMX BASIS TECHNOLOGY

FOUNDATION CONSTRUCTION IN 1 DAY WITH QUALITY THAT LASTS FOR CENTURIES

Economical

Construction using compact BIMX BASIS pile driving equipment, with a team of 2 people in 1 working day. 24/7 operation possible

Reliable

High load-bearing capacity (up to 60 tons per pile) Reinforced concrete piles are resistant to moisture, do not rot, do not deteriorate

Versatile

Ability to install even on unstable soil and complex terrain, in dense urban development

Fast and all-season

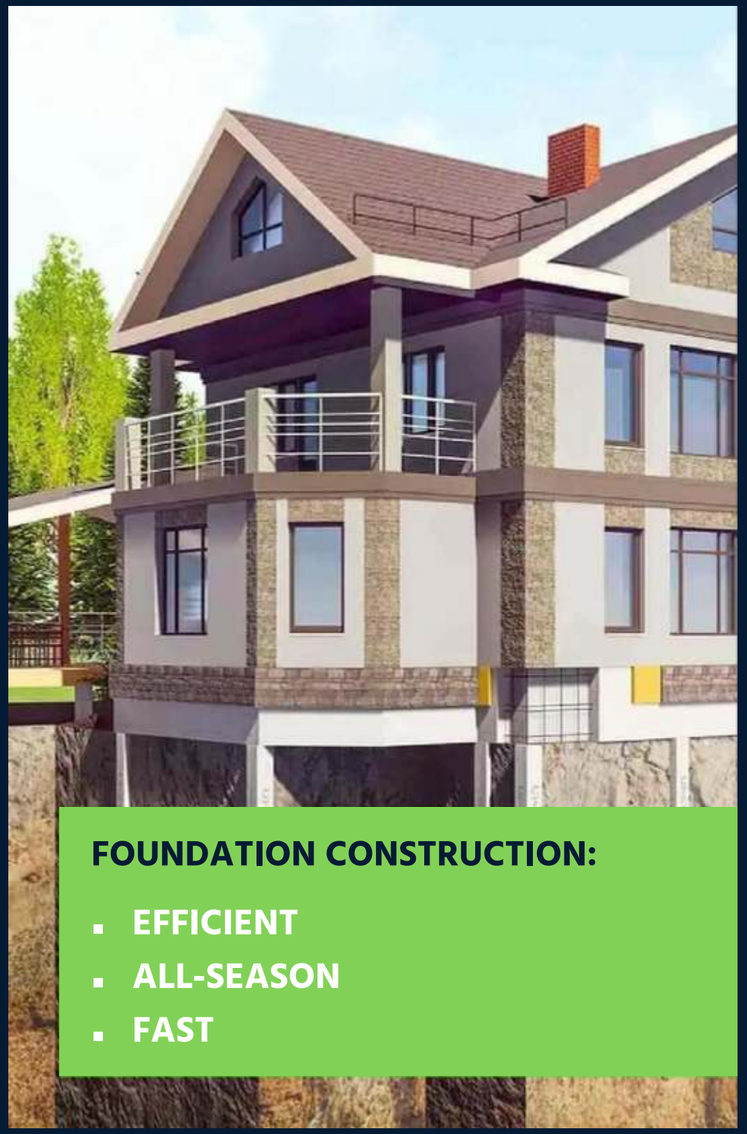
Foundation ready in 1 day – any time of year, and construction can begin immediately

Eco-friendly

Minimal earthworks. Soil is not damaged. No disruption to the aesthetics of the site

Durable

Foundation lifespan – over 100 years



FOUNDATION CONSTRUCTION:

- EFFICIENT
- ALL-SEASON
- FAST

SUITABLE FOR ANY TYPE OF CONSTRUCTION:
brick, aerated concrete, wood, frame, etc.

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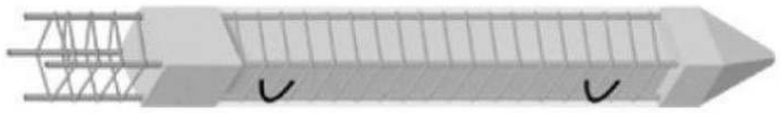
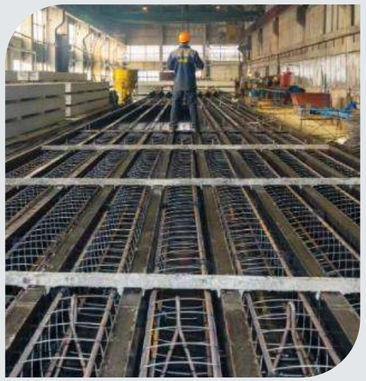
Production of reinforced concrete piles

All piles are manufactured in accordance with GOST and come with a quality certificate

Pile design



Pile sizes



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BIMX BASIS TECHNOLOGY - UNLIMITED CONSTRUCTION POSSIBILITIES

Areas of Application:

Buildings

Warehouses

Light Poles

Shoreline Reinforcement

Factory Buildings

Garages

Shops

Road Barriers

Piers

Hangars/Canopies

Fences

Commercial Premises

Noise Barriers

Docks and Wharves

Administrative Buildings

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Low-Rise Construction

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Industrial Construction

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Shops and Shopping Centers

Hangars

Fences and Barriers

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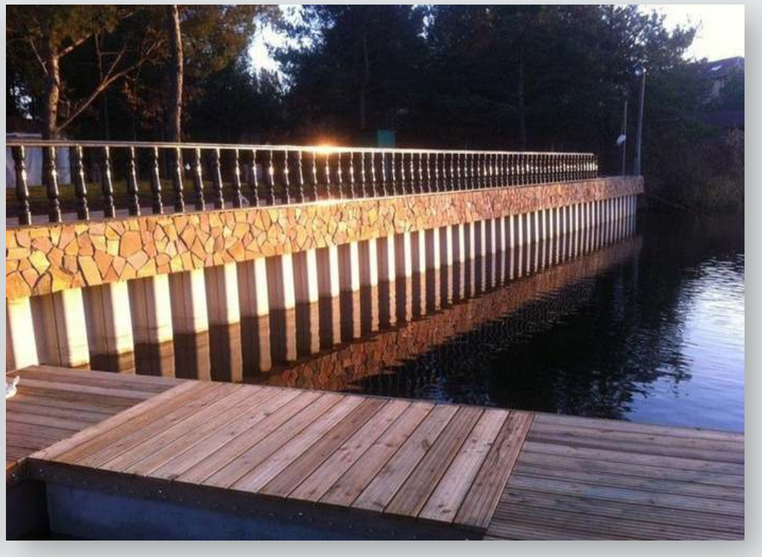
Administrative and Utility Buildings of Industrial Enterprises

Shoreline Reinforcement



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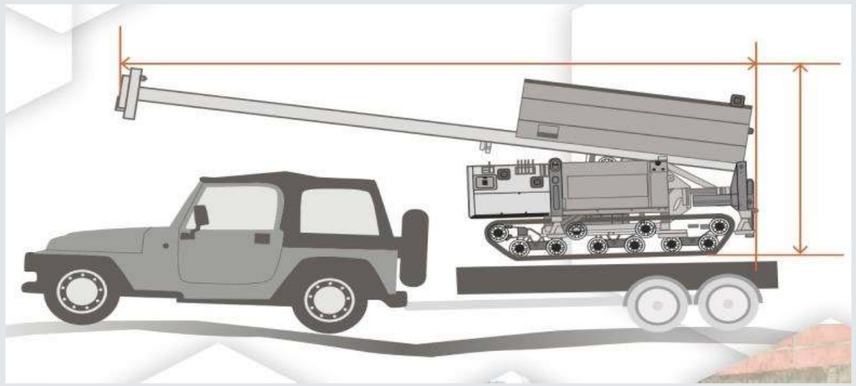
Piers and Wharves

Driving Metal Pipes for Lighting Poles

Installing Road Barriers

MOBILITY

- Easily transportable and storable. The pile driver can be easily transported by cars, trucks, and trailers.
  You save on transportation costs.



COMPACTNESS

- Ideal for working in densely built areas, forests, on slopes, and in places where other equipment cannot pass.

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WORKS ON SLOPED SITES

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LIGHTWEIGHT

- Can work on water from a pontoon or ice.

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ENVIRONMENTALLY FRIENDLY AND QUIET

- The installation creates a low noise level, permissible for work in densely urbanized areas, does not disrupt the site’s aesthetics, and prevents the splashing of technical fluids.

ACCESSIBILITY AND MANEUVERABILITY

- The BIMX BASIS pile driving installation can access any site.
- Foundation construction is possible in the most challenging conditions: in swamps, ravines, forests, mountains, and close to existing buildings.

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EASE OF CONTROL

Complete remote control allows for managing the winch, lifting and lowering the basket, moving the installation, as well as operating the hammer and drilling equipment.

AUTOMATIC PILE DRIVING FUNCTION WITH 10-STEP IMPACT FORCE ADJUSTMENT

- Full control over the pile driving process.
- Allows for precise power adjustment according to the soil type, pile size, and specific stage of driving.
- Eliminates operator errors.

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SQUARE PILE

Pre-stressed square concrete pile

Material specifications:

Concrete quality:	K-500
Rebar quality:	BJTP 24, fy = 2.400 kg/cm2
Steel quality:	PC Wire JIS G 3536
	Strand ASTM Grade 270

- **Square pile size 20x20 cm - 45x45 cm**
- **The production capacity reaches 4000 square meters per day**

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TECHNICAL SPECIFICATIONS

Pile dimensions (cm)	Reinforcement	Cross-sectional area (cm^2)	Crack resistance (Ton-meter)	Allowable axial load (tons)	Weight per meter (kg/m)
20x20	4 pc wire 7mm	400	0,98	50	96
25x25	4 pc wire 7mm	625	1,60	80.8	150
30x30	4 strand 3/8”	900	3.12	114	216
35x35	4 strand 3/8”	1225	4.37	158.5	294
40x40	4 strand 1/2”	1600	7,26	203.3	384
45x45	5 strand 1/2”	2025	10,28	257.5	486

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**The reinforcement and density of the piles can be changed, depending on the calculated values*

SQUARE PILE

Pre-stressed 20x20cm Square Concrete Pile

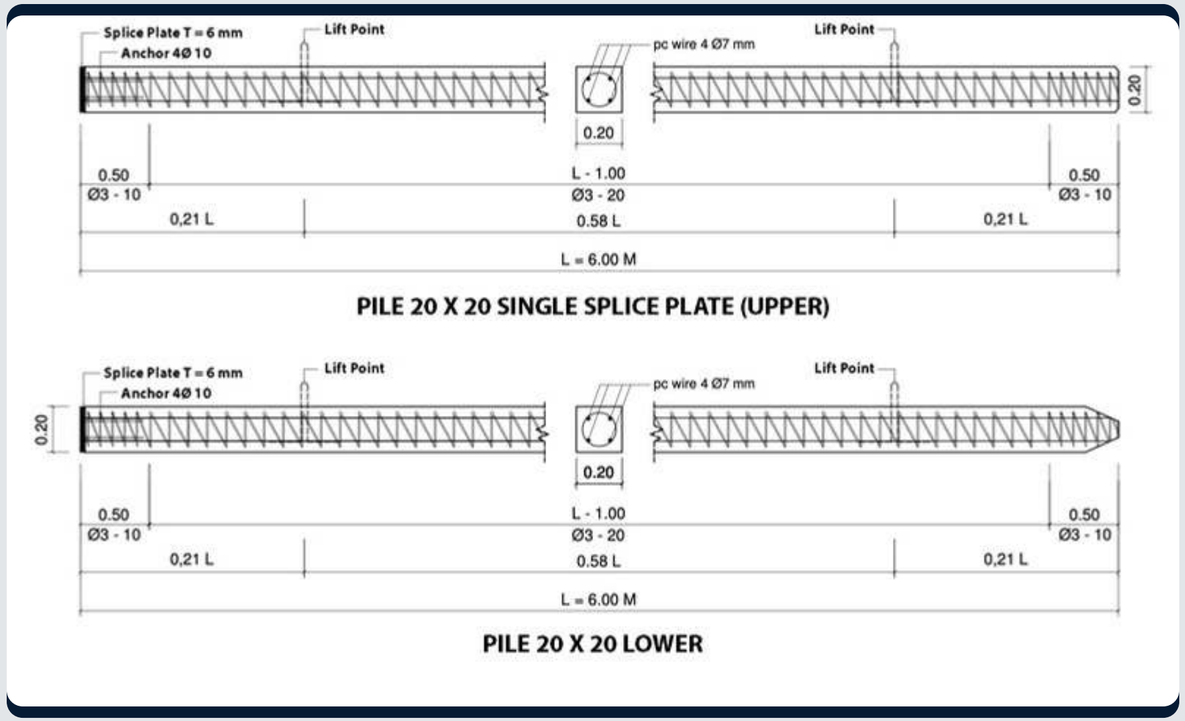
Material specifications:

Concrete quality: K-500 (fc = 40 Mpa)

Rebar quality: BJTP 24, fy = 2.400 kg/cm2

Steel quality: PC Wire JIS G 3536

SNI 1155 : 2011 KBjP - R



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SQUARE PILE

Pre-stressed 25x25cm Square Concrete Pile

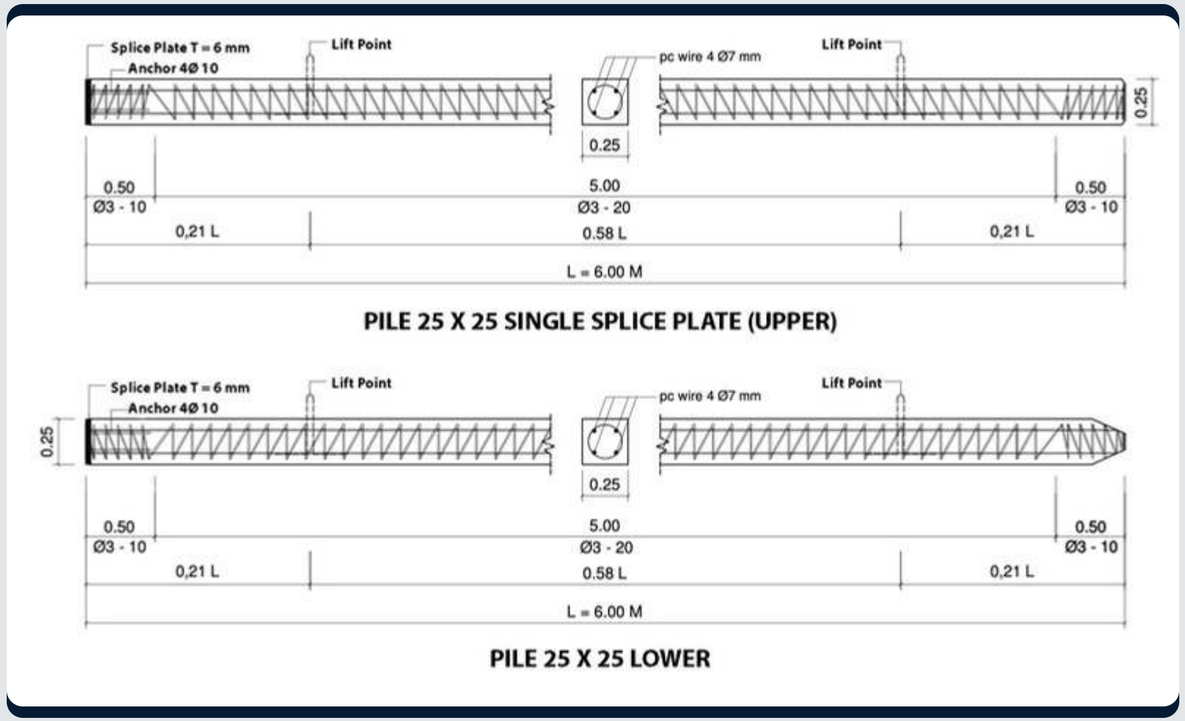
Material specifications:

Concrete quality: K-500 (fc = 40 Mpa)

Rebar quality: BJTP 24, fy = 2.400 kg/cm2

Steel quality: PC Wire JIS G 3536

SNI 1155 : 2011 KBjP - R



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SQUARE PILE

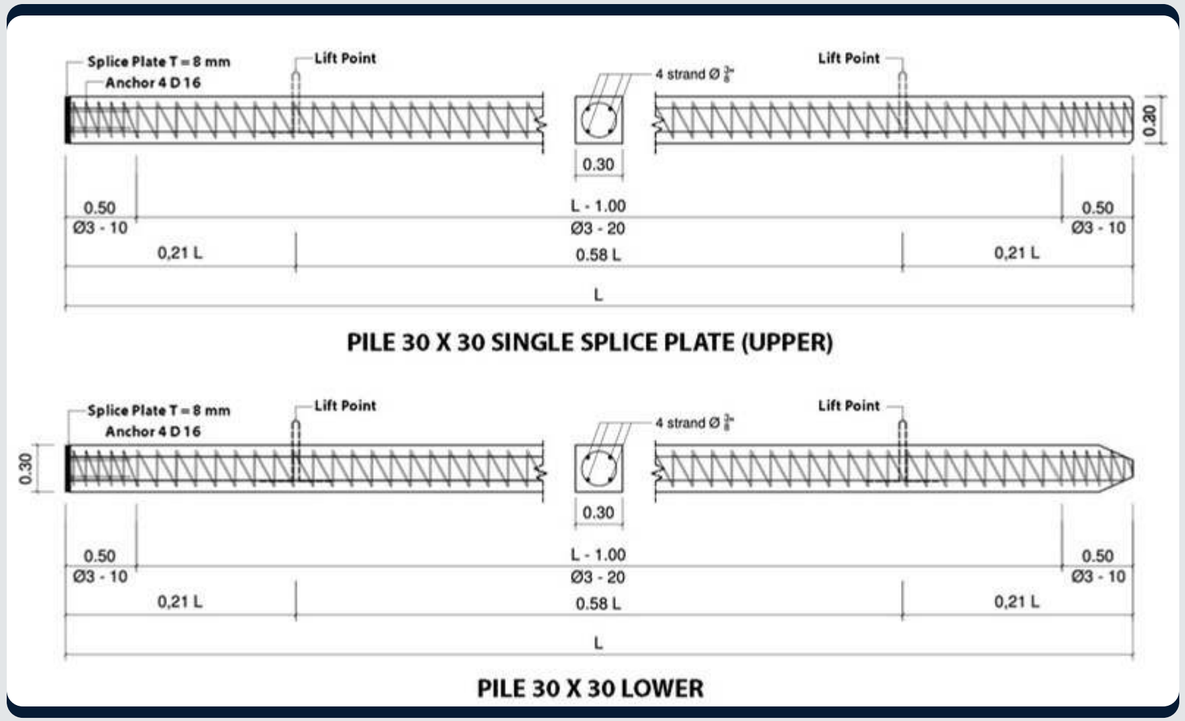
Pre-stressed 30x30cm Square Concrete Pile

Material specifications:

Concrete quality: K-500 (fc = 40 Mpa)

Rebar quality: BJTP 24, fy = 2.400 kg/cm2

Steel quality: Strand ASTM Grade 270



SQUARE PILE

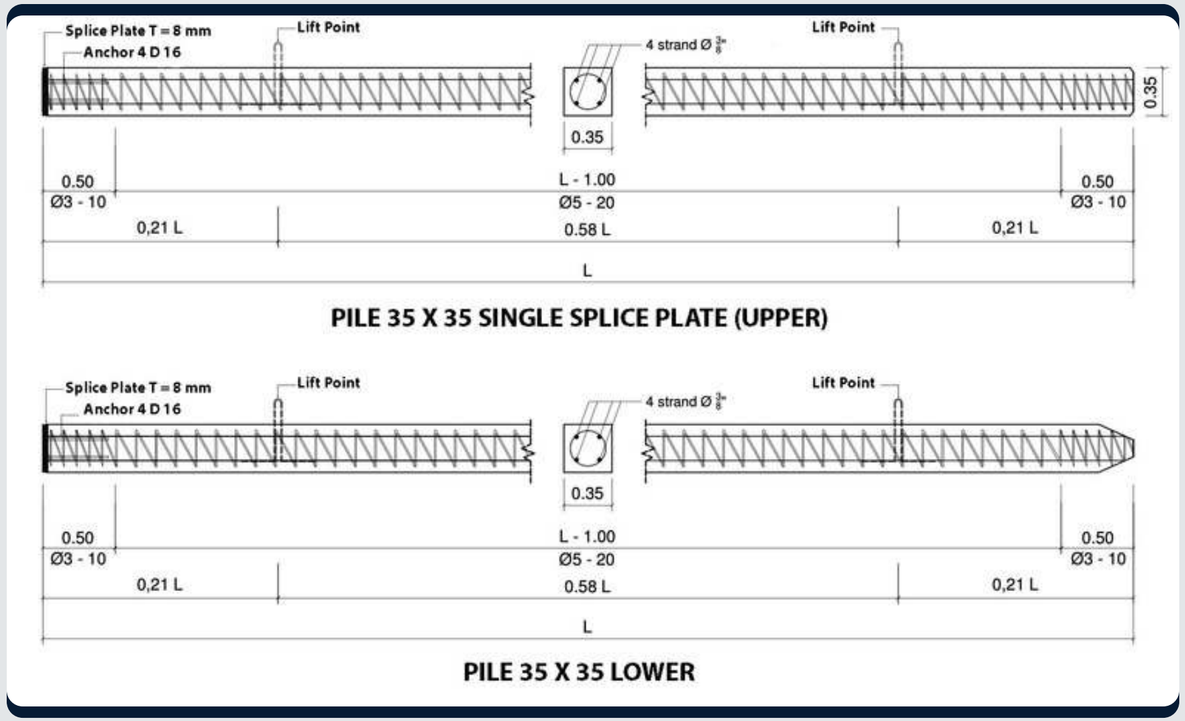
Pre-stressed 35x35cm Square Concrete Pile

Material specifications:

Concrete quality: K-500 (fc = 40 Mpa)

Rebar quality: BJTP 24, fy = 2.400 kg/cm2

Steel quality: Strand ASTM Grade 270



SQUARE PILE

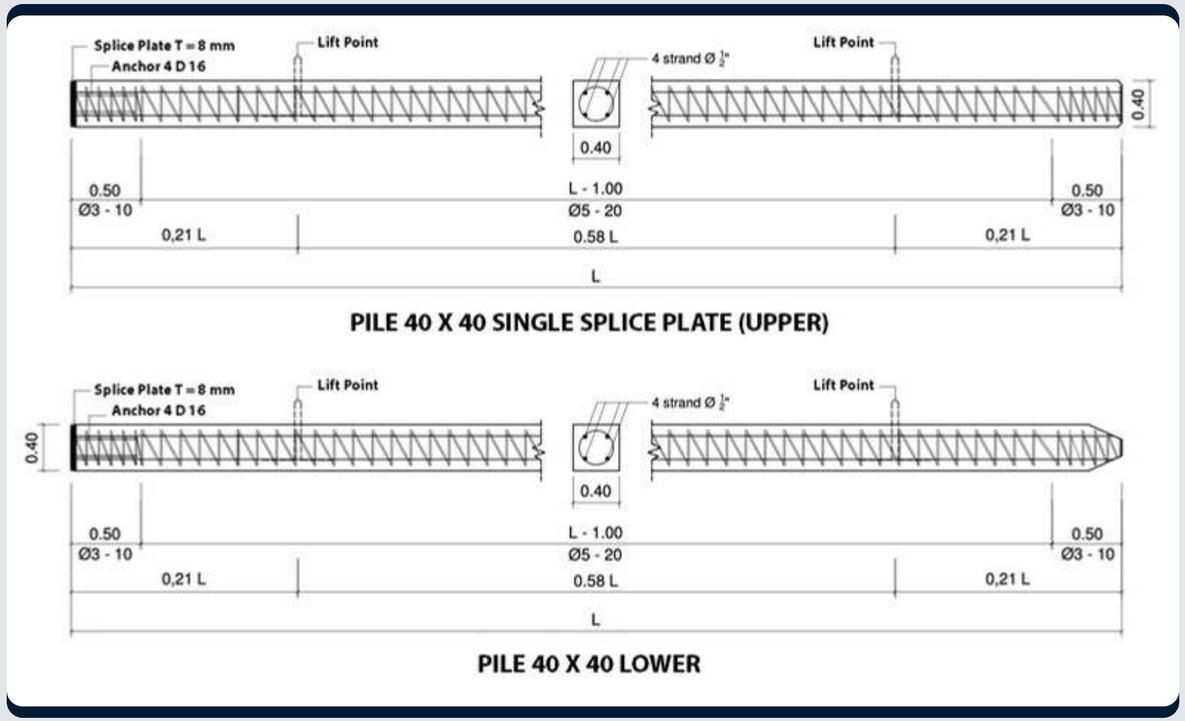
Pre-stressed 40x40cm Square Concrete Pile

Material specifications:

Concrete quality: K-500 (fc = 40 Mpa)

Rebar quality: BJTP 24, fy = 2.400 kg/cm2

Steel quality: Strand ASTM Grade 270



SQUARE PILE

Pre-stressed 45x45cm Square Concrete Pile

Material specifications:

Concrete quality: K-500 (fc = 40 Mpa)

Rebar quality: BJTP 24, fy = 2.400 kg/cm2

Steel quality: Strand ASTM Grade 270