

Extraction Storage Reclaiming

BRIDGE BUCKET LADDER EXCAVATOR FG P Type

PELERIN
Preparation and production



THE BRIDGE BUCKET EXCAVATOR IS USED FOR STORING AND AGEING OF CLAYS ALREADY CRUSHED AND MIXED.

- It is mainly made up of :
 - A bucket excavator translating of the rails of the travelling crane.
 - **A bucket chain equipped with a swivel bucket ladder - winch lifting device.**
 - A fixed conveyor for clays reclaiming.
 - **Electrical and automatic control installations.**

Technical Characteristics – Example : 23FG11P16

Maximum flowrate	130 m ³ /h
Capacity of one bucket	100 l
Depth of the pit	8 m
Width of the pit	16 m
Length of the ladder	11,2 m
Weight of the excavator	21 000 kg
Total weight with the bridge	38 000 kg

Technical Specification

- **Double-girder travelling crane supporting the excavator's rolling rails, the gateway and the reclaiming rubber belt conveyor.**

Trough-shaped belt conveyor driven by a geared motor.

- **Forced emptying of the excavator's buckets made at the level of the head tumblers by a scrapper fitting the internal shape of the bucket, equipped with an interchangeable steel blade.**

Steel bucket with stiffening belt and hard steel blades.

- **Embedded spring-load electric box, moving with the excavator.**

Cables and wiring accessories to the connection box.

- **Direct drive by hollow-shaft gear motor on all motions.**

Options

- Excavator rolling rails.
- **Excavator electrical supply by cable drag chains.**
- Automatic lubrication of the chain's drums pebbles.

Range

Type	Ladder's length (m)	Pit's height (m)	Pit's width (m)
21FG8.P16	8,100	6	16
21FG9.P16	8,730	7	16
21FG12.P16	12,500	8	16
21FG13.P20	13,290	10,500	20
20FG11.P20	11,200	8,060	20
23FG11.P16	11,200	8	16