**The company:**
Gaggiotti Company has been working since 1969 in the production of high quality drilling tools for Piling and Deep foundations.
At the beginning it was a family business increasing year by year, now it is well known in the market for its own brand: GAGGIOTTI, synonym of high quality and efficiency.

**The Plant:**
Gaggiotti has its new modern premises (about 11000m2) based in Osimo, the “Italian land” of drilling equipment manufacturers called so because in no place in the country there is a such concentration of well known suppliers of the foundation industry.
Hence, the company besides its own know how, provides the foundation contractors a qualified workforce and professional outsourcing that enrich and accelerate the supply chain obtaining a high quality product in a short schedule.

**The Products:**
The company manufactures and sells: Augers, Buckets, Core barrels and C.F.A. to work in normal to very difficult soil conditions, manufactured in all diameters from the smallest to the biggest ones: 400mm up to 3000mm.
Aiming always the highest level of quality and equipment yield.
GAGGIOTTI DRILLING TOOLS

In our opinion only a high quality product has a chance to find a place and still in the global market. For the production of Gaggiotti tools we use only first choice certified raw material.

The welding is watchfully made by skillful experts and in some points of the tools duly repeated more than once or twice in order to guaranty the maximum resistance to breakage or torsion.

The spares fitted on our tools like teeth or bullets are from the best known manufacturers like Bauer, Esco, Betek, Kennametal and Boart.

To optimize the relation Drilling Rig – Drilling tool, our equipments are produced in different versions after long studies of the best combination among thicknesses, lengths, heights, choice of materials and type of tooth.

These main versions are:
- Standard (STD) for Rig max torque up to 190KN
- Heavy Duty (HD) for Rig max torque from 200KN to 250KN
- Extra Heavy Duty (XHD) for Rig max torque more than 260KN.

However our quest for the best quality never stops, we improve our quality each day even by our own efforts either thanks to our customers by their feedback and wise suggestions.

CATALOGUE CONTENTS:

Tools for soft soils 4
Tools for Rock soils 11
Special tools 19
CFA 22
Big diameter tools 23
Tremie pipes 24
Casing 25
Accessories and wear parts 26
Tools for soft soils
Bucket are recommended for all type of soft soils, especially loosing and watery ones.

**VERSIONS**

**DOUBLE BOTTOM BUCKET SINGLE OPENING**

Single cut swiveling bottom gate,
Small diameters up to 700mm,
Soft silt and clay, medium dense sand.

**DOUBLE BOTTOM BUCKET DOUBLE OPENING**

Double cut swiveling bottom gate,
Medium to big diameters from 800mm till 3000mm
Uncased drilling, watery soft ground.
Single bottom, double cut with side teeth in stem,
All diameters from 400mm till 3000mm
Uncased drilling, dry soft ground.

Conical bottom, double cut with side teeth in stem,
All diameters from 400mm till 3000mm
Uncased drilling, very fast in dry soft ground.

Opens to discharge turned anticlockwise,
Small diameters up to 800mm, sticky soils.
Cleans the bottom of piles, Opens to discharge with upper mechanism, Small diameters up to 800mm, sticky soils.

WELDED BLADES

CLEANING BUCKET

REPLACEABLE BLADES

Cleans the bottom of piles,

MATCHING ACCESSORIES

• Kelly box 130/ 150 / 200
• Different kind of flat teeth
• Conical Stem
• Welded or replaceable Fish tail pilot
• Welded or replaceable Rock pilot
• Hardox plates wear proofing
• Vent pipe (only for double bottom)
• Upper reamer (1 to 2)

The pictures shown in this catalogue are only illustrative.
Augers are recommended for all types of dry to slightly wet soft soils.

**CLAY AUGER**

**CLAY AUGER SINGLE START**

Single cut with calibrating collar,
Small diameters up to 700mm,
Bigger capacity of loading

**CLAY AUGER DOUBLE START, SINGLE FLIGHT**

Double cut, all diameters from 400mm till 3000mm
Dry to slightly wet soft ground.
Double cut, all diameters from 400mm till 3000mm
Dry soft ground, especially loosing sand.

MATCHING ACCESSORIES

- Kelly box 130/150/200
- Different kind of flat teeth
- Collar plates with bullets
- Welded or replaceable Fish tail pilot
- Welded or replaceable Rock pilot
- Zigzag wear proofing
- Hardox plates wear proofing
- Upper reamer (1 to 2)
Bucket are recommended for very dense sand and gravel to weak rock.

Single cut swiveling bottom gate,
Small diameter up to 700mm,
Coarse gravel, very dense sand.

Double cut swiveling bottom gate,
Medium to big diameters from 800mm till 3000mm
Uncased drilling, dense sand to wear rock.
Double cut swiveling bottom gate,
Medium to big diameters from 800mm till 3000mm
Uncased drilling, medium rock.

MATCHING ACCESSORIES

- Kelly box 130/150/200
- Different kind and size of bullets
- Conical Stem
- Collar plate with bullets
- Welded or replaceable Rock pilot
- Hardox plates wear proofing
- Vent pipe
Augers are recommended for moderate to strong rock.

**ROCK AUGER VERSIONS**

**CONICAL ROCK AUGER, DOUBLE FLIGHT**

Progressive conical cutting for the best soil attack all diameters from 400mm till 3000mm, Moderate to hard Rock

**FLAT ROCK AUGER, SINGLE START**

Single cut, high loading capacity Small diameters up to 700mm, Very dense sand and gravel, weak rock.
**Flat Rock Auger, Double Start**

Single Flight  
- Double cutting  
- Medium to big diameters from 600mm till 3000mm  
- Very dense sand and gravel, weak rock.

Double Flight

**Butterfly Rock Auger, Single Start**

Single Flight  
- Single cut, high loading capacity  
- Small diameters up to 700mm, weak to moderate hard rock.

**Butterfly Rock Auger, Double Start**

Single Flight  
- Double cut, medium to big diameters from 800mm till 3000mm  
- Weak to moderate hard rock.

Double Flight

**Matching Accessories**

- Kelly box 130/150/200  
- Different kind and size of bullets  
- Collar plate with bullets  
- Welded or replaceable Rock pilot  
- Hardox plates wear proofing

The pictures shown in this catalogue are only illustrative.
Core barrel is used to cut a ring in rock or concrete, mostly to initiate the borehole.

Bullet arranged to obtain a cutting width of about 120mm
All diameters from 400mm till 3000mm,
Up to strong rock.

Bars can be weld-on or replaceable with holders
Up to strong rock, concrete.
CORE BARREL WITH CHISELS

Concrete, secant piles

MATCHING ACCESSORIES

- Kelly box 130/ 150 / 200
- Piston for discharge
- Zigzag wear proofing
- Hardox plates wear proofing

The pictures shown in this catalogue are only illustrative.
Special tools
These augers are recommended for all types of loosing soils.
This auger is in fact two augers in one: a pilot conical auger with about half total diameter.
The main auger is flat and have the final borehole diameter.
Used for very difficult penetration soils.

MATCHING ACCESSORIES

- Kelly box 130/ 150 / 200
- Different kind and size of bullets
- Different kind of flat teeth
- Collar plate with bullets
- Welded or replaceable Rock pilot
- Hardox plates wear proofing
- Upper reamer for soft soils only (1 to 2)
Drilling yield could be highly increased using a continuous flight auger, the borehole wall is supported by the auger filled with extracted soil, pile is concreted through the CFA hollow stem, while the CFA is inside the pile.

MATCHING ACCESSORIES

- Hexagonally coupling of different size
- Double hollow stem
- Different kind of flat teeth
- Different kind and size of bullets
- Zigzag wear or cord wear proofing

The pictures shown in this catalogue are only illustrative.
DOUBLE BOTTOM BUCKET DIAM. 2800MM

CLEANING BUCKET DIAM. 2500MM

BUTTERFLY BUCKET, CORE BARREL AND BUTTERFLY AUGER DIAM. 2450MM
The pictures shown in this catalogue are only illustrative.
Double-walled casings are used for stabilizing boreholes in collapsible soil conditions. The casing system contains the following parts connected by screw type Male+Female joint:
- Casing drive adapter (Twister) that transfers the torque from the rotary drive to the tubes column
- Casing intermediate sections of different length
- Casing Shoe for soft soil or hard soil conditions or secant piles using different types of teeth.
SPARES AND WEAR PARTS

FLAT TEETH

TL 18
T 25
SUPER V17
SUPER V19
SUPER V23
BAUER FZ 72
BAUER FZ 80
4K34

BULLETS

Ø 19
Ø 25
Ø 30/38

WIDIA ARMOURED BARS

PILOTS

TERRE
ROCHE
KELLY BOXES

HEXAGONALLY COUPLING

ADAPTER

REAMERS

WEAR PROOFINGS

ZIG ZAG

HARDOX
Countries where GAGGIOTTI supplies Drilling tools
Pays où GAGGIOTTI fournit ses outils de forage

GAGGIOTTI DRILLING TOOLS SRL*
Foundation equipment manufacturer since 1969

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