

MONTABERT DRILLING DEPARTMENT

CPA PRODUCT LINE PRESENTATION

February 2025



CPA PRESENTATION

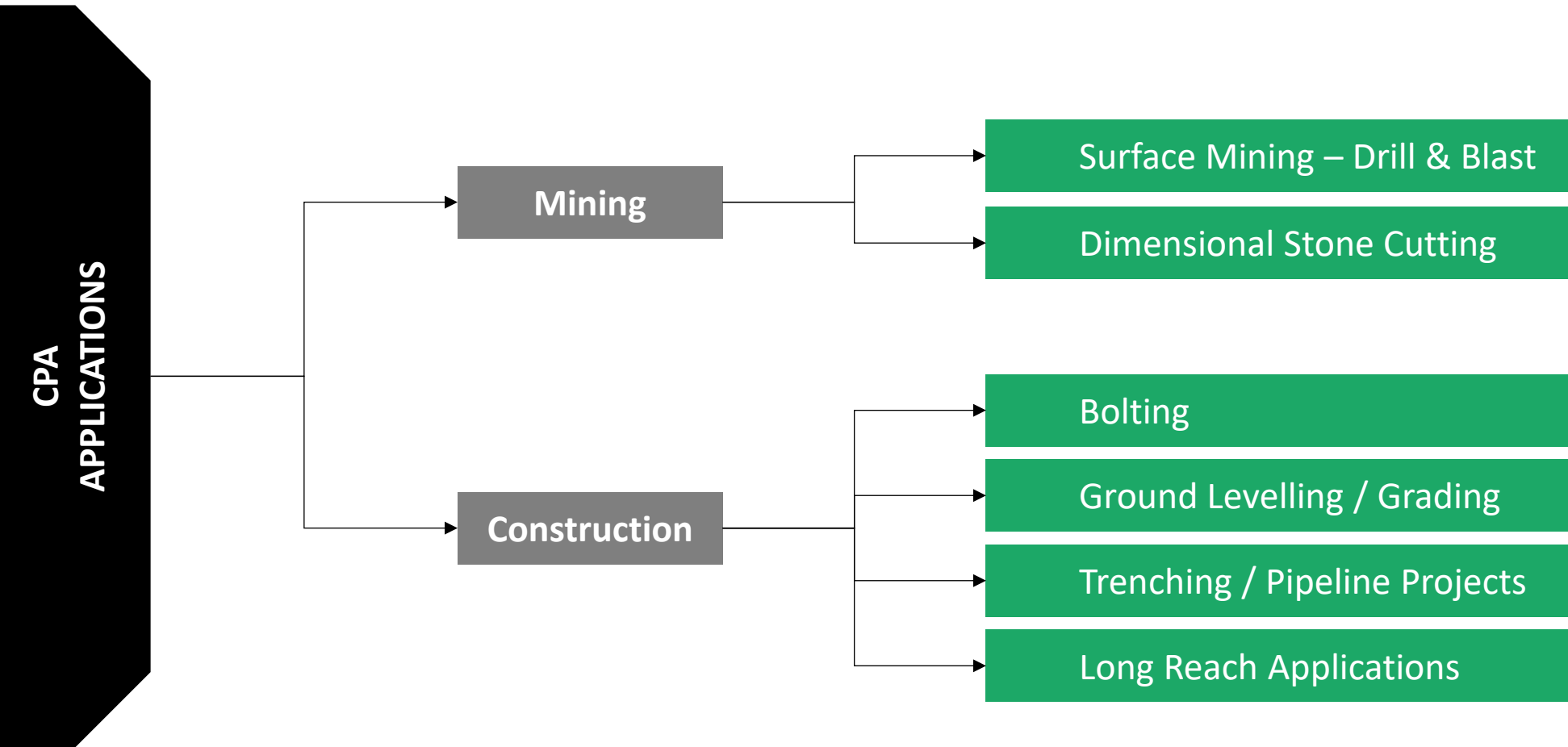
What is a CPA ?

A CPA is a hydraulic attachment which allows excavator owners to drill holes in hard rock via a radio-controlled device.



CPA Acronym → Caisson Porte Avanceur.

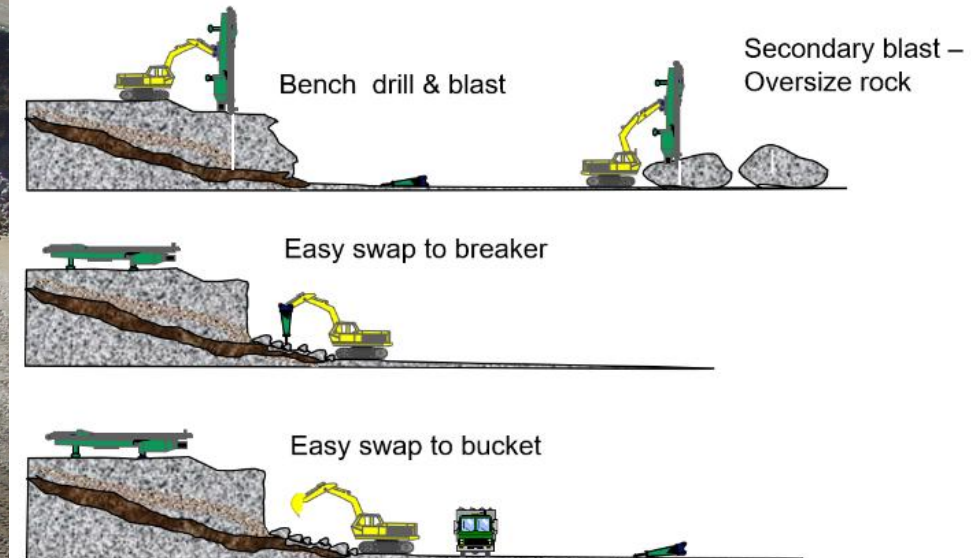
WHY DO YOU NEED A CPA ?



CPA USE CASE : MINING

Surface Mining – Drill & Blast

Dimensional Stone Cutting



CPA USE CASE : MINING

Surface Mining – Drill & Blast

Dimensional Stone Cutting



Dimensional Stone Cutting - Portugal



Dimensional Stone Cutting - Portugal

CPA USE CASE : CONSTRUCTION

Bolting

Levelling

Trenching

Long Reach



Ground Reinforcement – French Alps



Ground Reinforcement – French Alps

CPA USE CASE : CONSTRUCTION

Bolting

Levelling

Trenching

Long Reach



Ground levelling for housing project - Norway



New road opening

CPA USE CASE : CONSTRUCTION

Bolting

Levelling

Trenching

Long Reach



CPA USE CASE : CONSTRUCTION

Bolting

Levelling

Trenching

Long Reach



VIDEO OF A CPA IN OPERATION

CPA X-Tend

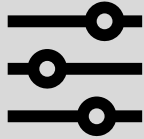


CPA 295



ADDED VALUE OF A CPA :

VERSATILITY



*Attachments switching
(CPA/Breaker/Bucket)*

ACCESSIBILITY



*Excavator access to rough
terrain*

EFFICIENCY



*Lower cycle times between
holes thanks to excavator
kinematics*

UPTIME



*Excavator generates profit
between drilling cycles
(while using other attachments)*

RELIABILITY



*Equipped with globally proven
Montabert® drifters*

CPA ADDED VALUE

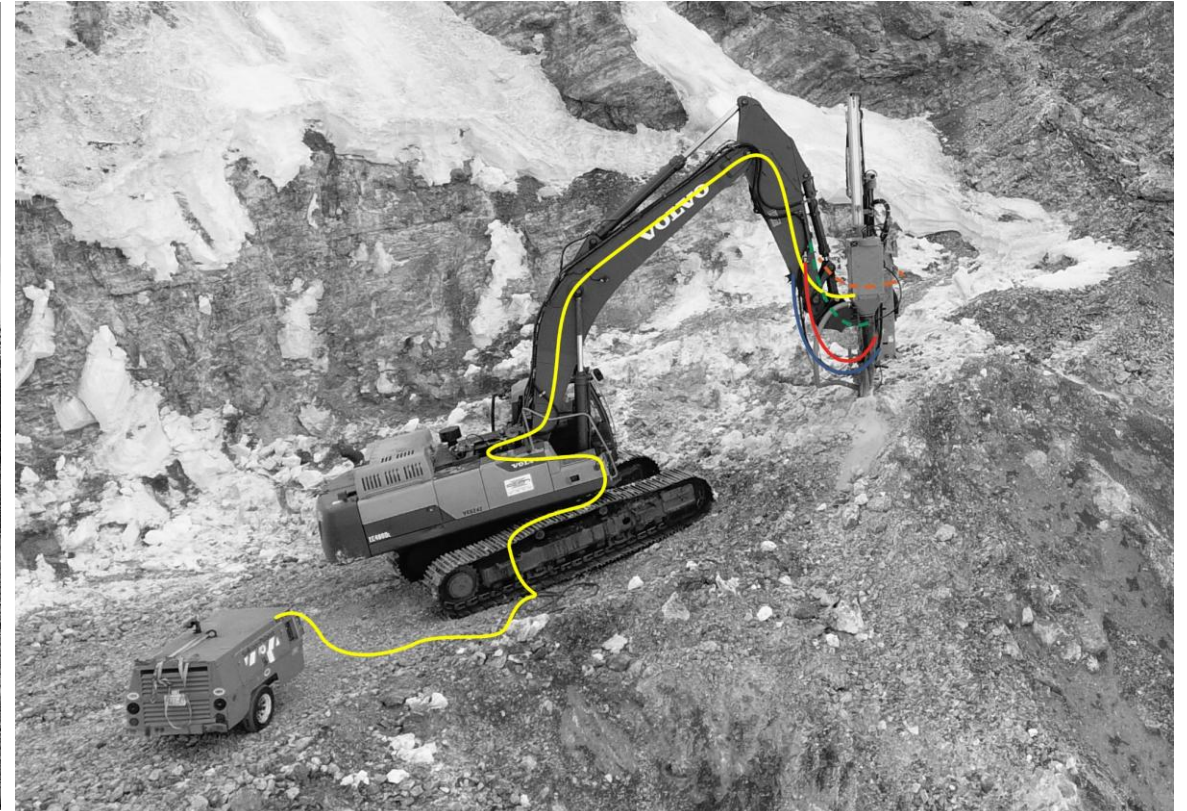
CPA comparison to a classic surface drilling rig



CPA INTEGRATION



Integrated Compressor



External Compressor

- HP Hydraulic Line
- LP Hydraulic Line
- Drain Line

- 24V Cable
- Compressed Air Line

CPA AUTOMATION AND CONTROL

Radio Control Features :

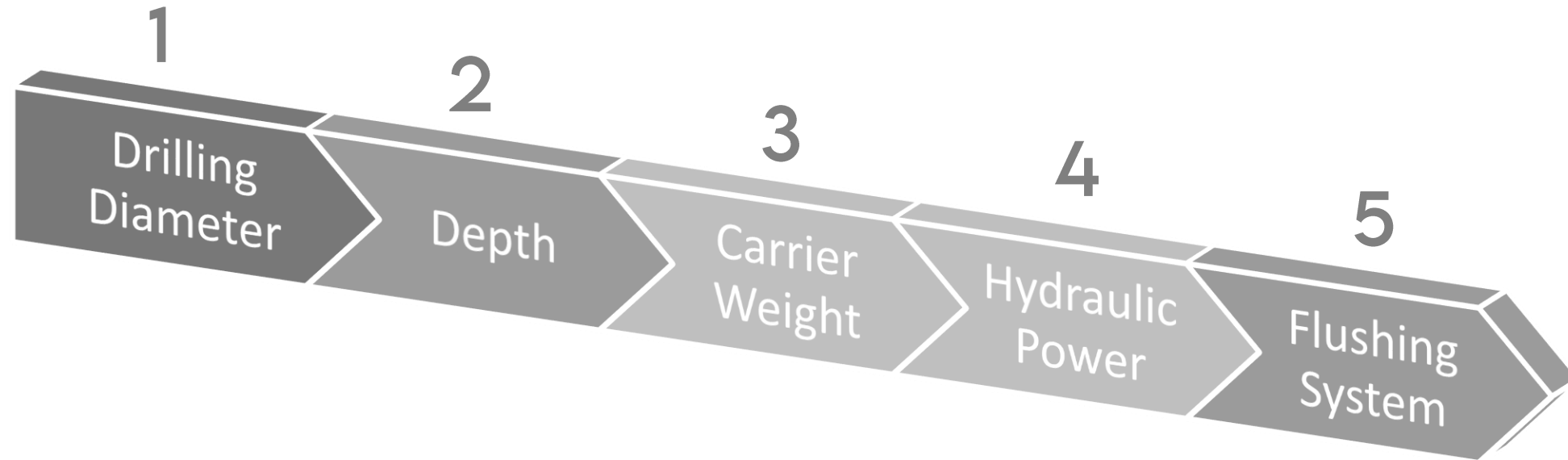
- CPA Tilting/Anchoring*
- Drilling angles (2D/3D)*
- Drilling parameters programming*
- Automatic drilling with auto-stop feature*
- Drilling pressures monitoring*
- Automatic rod changing*
- Error codes & debugging*
- Manual control mode*
- Heavy-duty remote-control design*



CPA – PRODUCT LINE

	Small CPA Family		Medium CPA Family		Large CPA Family		
	MicroCPA	MicroCPA 360	CPA 222 E	CPA 28-50	CPA 30-095	CPA 30-150	CPA 35-160
							
Carrier Weight	9 – 12 t	10 – 14 t	20 – 27 t	28 – 35 t	28 – 35 t	28 – 35 t	28 – 40 t
Hole Size	25 – 76 mm	25 – 76 mm	38 – 89 mm	38 – 89 mm	51 – 102 mm	76 – 115 mm	89 – 127 mm
Max. Depth	3.2 m	3.2 m	7.4 m	15.1 m	29.8 m	29.8 m	30.0 m

THE CPA MATCHING PROCESS



CPA MATCHING

What diameter range is required ?

		Diameter (Inch)	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 3/4"	2"	2 1/8"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	4 1/2"	5"
CPA	Tooling	Diameter (mm)	22	25	28	32	35	38	45	51	54	57	64	70	76	83	89	95	102	115	127
Micro CPA / 360 - HC20																					
	H19																				
	H22																				
	H25																				
	R25 F																				
	R28 F																				
	R32 F																				
	R32 M																				
Micro CPA / 360 - HC25																					
	H19																				
	H22																				
	H25																				
	R25 F																				
	R28 F																				
	R32 F																				
	R32 M																				
CPA 222 - HC50																					
	R32 M																				
	T38 M																				
CPA 28-050 - HC50																					
	T38 M																				
CPA 30-095 - HC95LQ																					
	T38 M																				
	T45 M																				
	T51 M																				
CPA 30-150 - HC150																					
	T45 M																				
	T51 M																				
CPA 35-160 - HC160																					
	T45 M																				
	T51 M																				
	GT60 M																				

	Capable of Drilling
	Optimal Performance
	Single Pass Only

Drilling Tool Types

(H) - Hexagonal



(R) - Round Thread



(T) - Trapezoidal Thread



CPA MATCHING

What drilling depth is required ?

MicroCPA

Micro CPA	3.20 m (10.5)
Micro CPA 360	3.20 m (10.5)
Micro CPA 360 HD	3.20 m (10.5)
Micro CPA 360T	3.20 m (10.5)

Mid-Size CPAs

CPA 222	7.40 m (24.3 ft)
CPA 222 (Non-CE)	14.42 m (47.3 ft)

Large CPAs

CPA 28-050	15.14 m (49.7 ft)
CPA 30-095	29.80 m (97.8 ft)
CPA 30-150	29.80 m (97.8 ft)
CPA 35-160 STD	30.00 m (98.4 ft)
CPA 35-160 Long	30.00 m (98.4 ft)
CPA 35-160 GT60	30.00 m (98.4 ft)

CPA MATCHING

Is the hydraulic power sufficient to operate the CPA ?

Step 1

Install a (0-25 b) manometer on the return line.
(Make sure that it is far from the flow meter to avoid wrong readings due to fluid turbulence).

Install a temperature sensor (if possible) on the return line
(Otherwise, you can read the temperature displayed on the dashboard from the cabin).

Step 2

Set the start of opening pressure of the pump pressure limiter to be equal to **[CPA Operating Pressure] + Margin**

Step 3

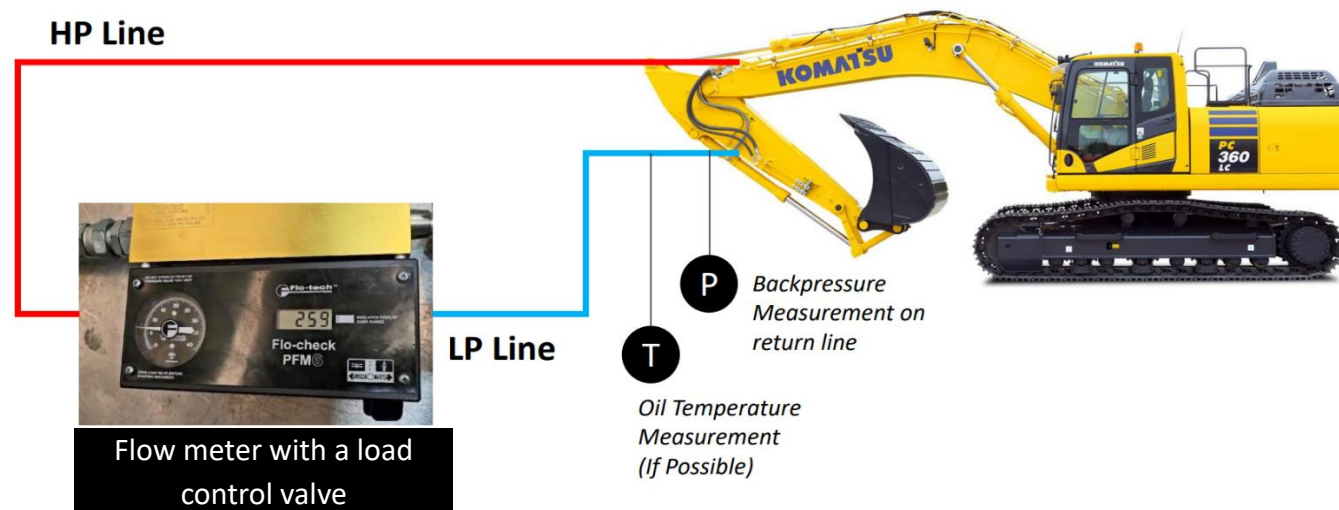
Run excavator at high idle engine speed.
Heat the oil to reach a temperature of at least 50 degrees.

Step 4

Turn the flow meter dial slowly and stop at intervals of 20 bars.
Wait 5 seconds for the system to stabilize before logging the values into the table.

Log the (Pressure – Flow – Backpressure – Temperature) values into a table

HP Line



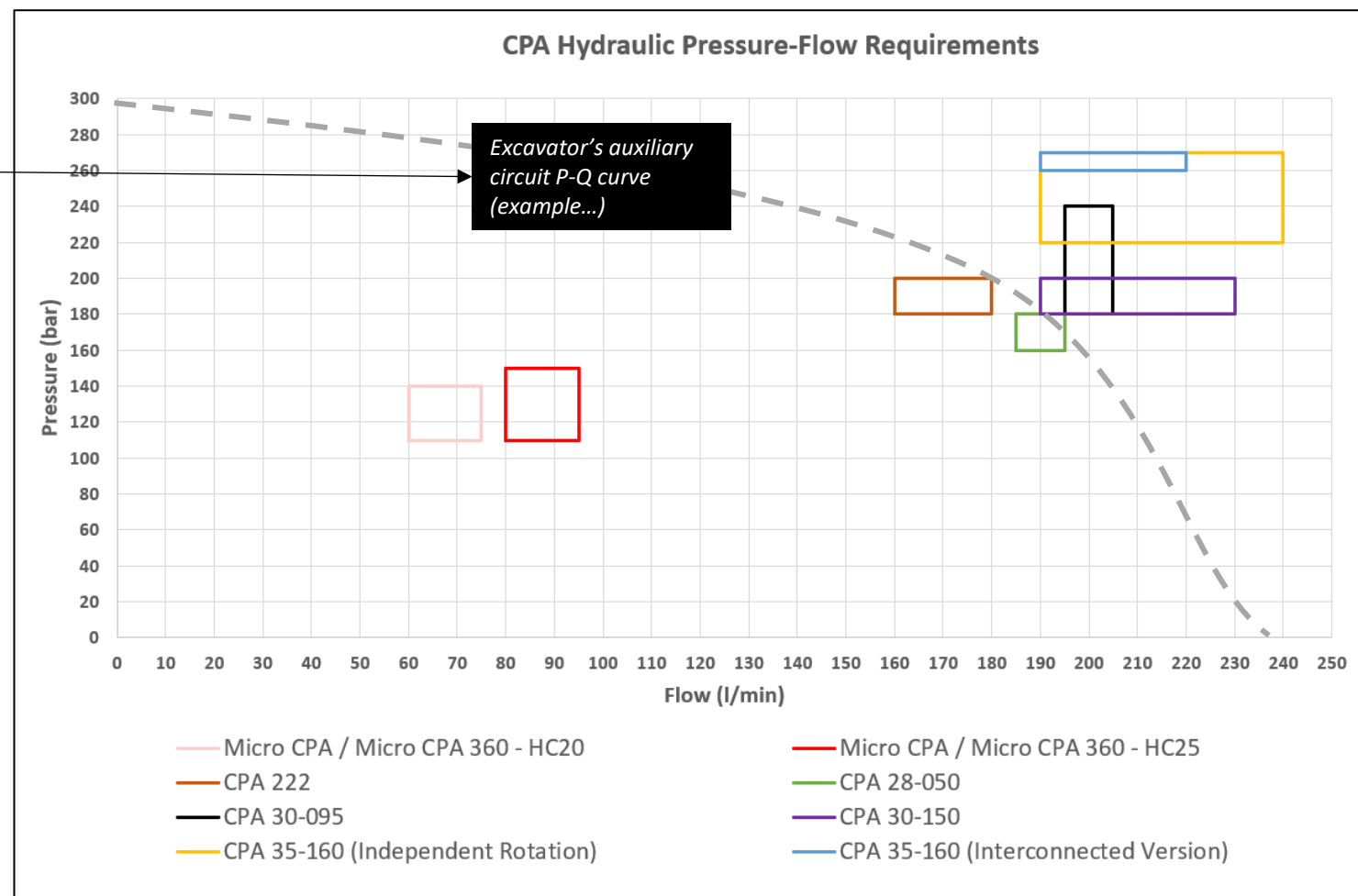
P-Q Measurement Table

HP Line Pressure [bar]	Flow [l/min]	LP Line Pressure [bar]	Oil Temp
...	...	...	...
...	...	...	...
...	...	...	...

CPA MATCHING

CPA Portfolio : Operating Areas

P-Q Measurement Table			
HP Line Pressure [bar]	Flow [l/min]	LP Line Pressure [bar]	Oil Temp
...	...	...	...
...	...	...	...
...	...	...	...



CPA MATCHING

Hydraulic Specifications

Hydraulic Flow		Hydraulic Pressure			Backpressure			
CPA Model	Min Flow [l/min]	Max Flow [l/min]	Min Pressure [bar]	Max Pressure [bar]	Carrier Pressure Limiter [bar]	LP Line Maximum Backpressure [bar]	External Drain Line (Y/N)	Drain Line Maximum Backpressure [bar]
MicroCPA - HC20	60	75	110	140	165	12	No	N/A
MicroCPA - HC25	80	95	110	150	165	6	No	N/A
CPA 222	160	180	180	200	200	10	No	N/A
CPA 28-050	185	195	160	180	250	10	Yes	2
CPA 30-095	195	205	180	240	250	10	Yes	2
CPA 30-150	190	230	180	200	250	10	Yes	2
CPA 35-160	190	240	220	270	270	10	Yes	2
CPA 35-160 (INTERCONNECTED)	190	220	260	270	270	10	Yes	2

CPA MATCHING

Air flushing system sizing

CPA : Air Flushing Requirement

⚠ Disclaimer

The flushing air flow value given below is the minimal value to ensure. We recommend that you choose an air compressor capable of delivering a value higher than the one calculated below.

⚠ For Micro CPA Only

If your Micro CPA is equipped with a pneumatic dust collector, please add 1.7 m3/min to the required air flushing flow.

Hole Size [mm - Inch]

- Select Hole Size -

Tooling Type

- Select Tooling Type -

Required air flushing flow METRIC : -- Select Values Above -- [m3/min]

CPA MATCHING

A list of hydraulic air compressor suppliers

ROTAIR®



DYNASET



VANAIR®
A Lincoln Electric Company



CPA Model	Required Air Flushing Range	ROTAIR Products	Dynaset Products	VANAIR Products
MicroCPA MicroCPA 360	XXX l/min @ XX bar – XXXX l/min @ XX bar	VRH 10 / VRH 15 / VRH 20	XXX	XXX
CPA 222	XXXX l/min @ XX bar – XXXX l/min @ XX bar	VRH 30	XXX	XXX
CPA 28-050	XXXX l/min @ XX bar – XXXX l/min @ XX bar	VRH 30 / VRH 55	XXX	XXX
CPA 30-095	XXXX l/min @ XX bar – XXXX l/min @ XX bar	VRH 55	XXX	XXX
CPA 30-150	XXXX l/min @ XX bar – XXXX l/min @ XX bar	VRH 70	XXX	XXX
CPA 35-160	XXXX l/min @ XX bar – XXXX l/min @ XX bar	VRH 90	XXX	XXX

MICRO CPA

PRODUCT PRESENTATION



MICRO CPA

Specifications

Drifters

Drifter	Power	Strike Energy	Frequency	Motor	Torque	Flushing	Front Guide	Reverse Percussion
HC20-QS	4 kW	75 J	3000 BPM 50 Hz	160cc	401 N.m	Air	Bolted 45 mm	Mechanical
HC25-MT	8 kW	117 J	3900 BPM 65 Hz	160cc	401 N.m	Air	Bolted 45 mm	Mechanical

Compatible Tooling

HC20

FEMALE - R25	Hex 19
FEMALE - R28	Hex 22
FEMALE - R32	Hex 25
MALE - R32	

HC25

FEMALE - R25	
FEMALE - R28	
FEMALE - R32	
MALE - R32	



CPA Weight	620 – 740 kg
Carrier Weight	7 – 12 t
Hole Size	25 – 76 mm
Max. Depth	3.2 m



MICRO CPA

Specifications

Features

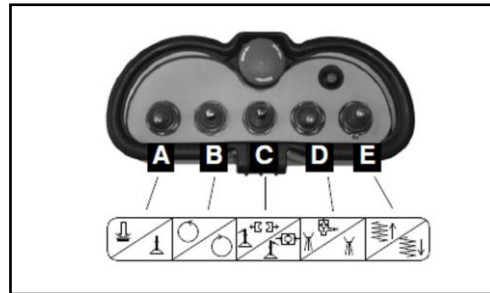
Remote Control

Tilt Cylinder (+/- 45°)

Reinforced feed chain

Steel Feed Beam

Water Flushing (For Tunnelling)



CPA Weight	620 – 740 kg
Carrier Weight	7 – 12 t
Hole Size	25 – 76 mm
Max. Depth	3.2 m



MICRO CPA

Key Applications

Construction Drill and Blast

Secondary Breaking

Anchorage / Small Bolt

Dimensional Stone Cutting



MICRO CPA

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MICRO CPA 360

PRODUCT PRESENTATION



MICRO CPA 360

Specifications

Drifters

Drifter	Power	Strike Energy	Frequency	Motor	Torque	Flushing	Front Guide	Reverse Percussion
HC20-QS	4 kW	75 J	3000 BPM 50 Hz	160cc	401 N.m	Air	Bolted 45 mm	Mechanical
HC25-MT	8 kW	117 J	3900 BPM 65 Hz	160cc	401 N.m	Air	Bolted 45 mm	Mechanical

Compatible Tooling

HC20	FEMALE - R25	Hex 19
	FEMALE - R28	Hex 22
	FEMALE - R32	Hex 25
	MALE - R32	



HC25	FEMALE - R25	
	FEMALE - R28	
	FEMALE - R32	
	MALE - R32	



CPA Weight	780 kg
Carrier Weight	9 – 14 t
Hole Size	25 – 76 mm
Max. Depth	3.2 m



MICRO CPA 360

Specifications

Features

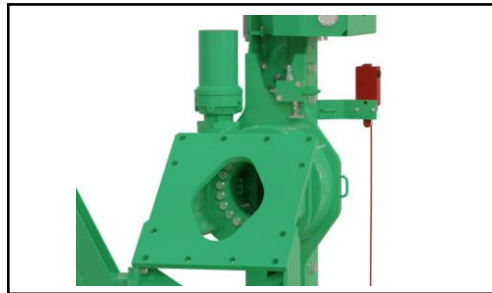
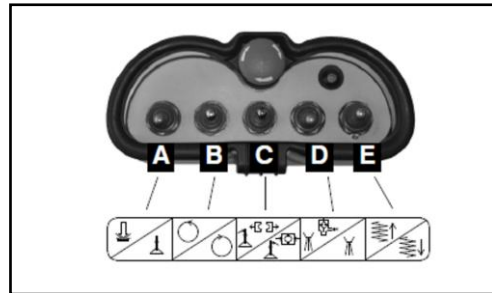
Remote Control

+/- 180° Rotation Mechanism

Reinforced feed chain

Steel Feed Beam

Water Flushing (For Tunnelling)



CPA Weight	780 kg
Carrier Weight	9 – 14 t
Hole Size	25 – 76 mm
Max. Depth	3.2 m



MICRO CPA 360

Key Applications

Construction Drill and Blast

Anchorage / Small Bolt

Dimensional Stone Cutting



MICRO CPA 360

Key Applications

Construction Drill and Blast

Anchorage / Small Bolt

Dimensional Stone Cutting



MICRO CPA 360

Key Applications

Construction Drill and Blast

Anchorage / Small Bolt

Dimensional Stone Cutting



MICRO CPA 360 HD

PRODUCT PRESENTATION



MICRO CPA 360 HD

Specifications

Drifters

Drifter	Power	Strike Energy	Frequency	Motor	Torque	Flushing	Front Guide	Reverse Percussion
HC20-QS	4 kW	75 J	3000 BPM 50 Hz	160cc	401 N.m	Air	Bolted 45 mm	Mechanical
HC25-MT	8 kW	117 J	3900 BPM 65 Hz	160cc	401 N.m	Air	Bolted 45 mm	Mechanical

Compatible Tooling

HC20

FEMALE - R25
FEMALE - R28
FEMALE - R32
MALE - R32

Hex 19
Hex 22
Hex 25

HC25

FEMALE - R25
FEMALE - R28
FEMALE - R32
MALE - R32



CPA Weight

???

Carrier Weight

9 – 14 t

Hole Size

25 – 76 mm

Max. Depth

3.2 m



MICRO CPA 360 HD

Specifications

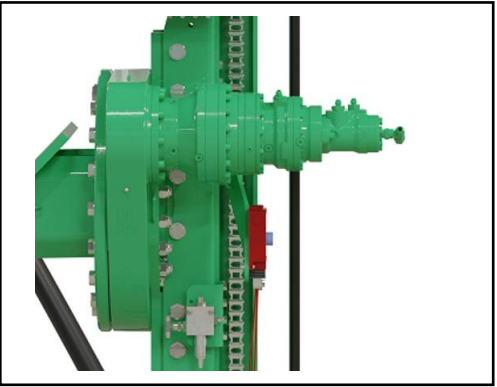
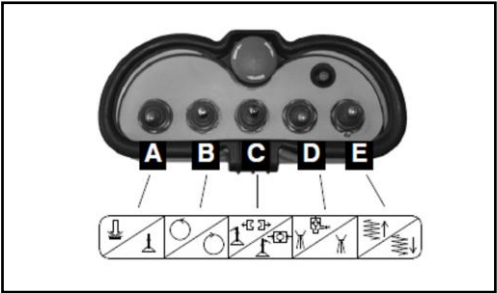
Features

Remote Control

Heavy Duty +/- 180° Rotation Mechanism

Reinforced feed chain

Steel Feed Beam



CPA Weight

???

Carrier Weight

9 – 14 t

Hole Size

25 – 76 mm

Max. Depth

3.2 m



CPA 222

PRODUCT PRESENTATION



CPA 222E

Specifications

Drifter

Drifter	Power	Strike Energy	Frequency	Motor	Torque	Flushing	Front Guide	Reverse Percussion
HC50 E-	13 kW	179 - 200 J	2700 - 3750 BPM (45 - 62.5 Hz)	71 cc	466 N.m	Air	Bolted 38 mm	No Reverse Percussion

Compatible Tooling

HC50
MALE - T38



Compatible Drilling Rods

Rod Type	Thread	Length (ft)	Length (mm)
Male - Female	T38	First : Up to 14 ft Second : Up to 12 ft	First : Up to 4268 mm Second : Up to 3660 mm



CPA Weight 1610 kg

Carrier Weight 18 - 35

Hole Size 38 – 89 mm

Max. Depth 7.40 m



CPA 222E

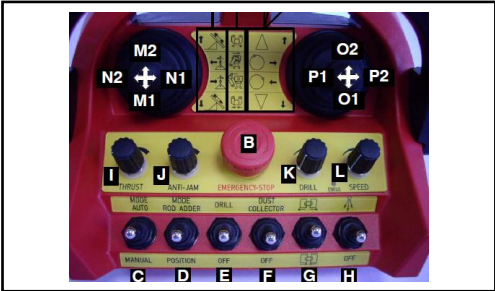
Specifications

Features

Remote Control

4x (+/- 45° Tilt Cylinder) Covering (360°)

Lightweight Aluminum Feed Beam



CPA Weight	1610 kg
Carrier Weight	18 - 35
Hole Size	38 – 89 mm
Max. Depth	7.40 m



CPA 222E

Specifications

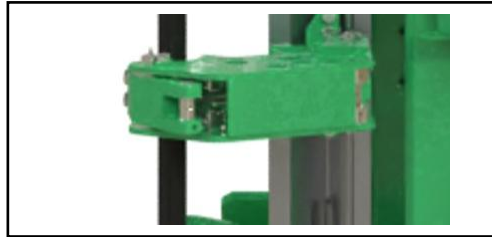
Features

Feed Cylinder

Rod Adder

Hydraulic Hose Reel

Hydraulic Rod Centralizer



CPA Weight	1610 kg
Carrier Weight	18 - 35
Hole Size	38 – 89 mm
Max. Depth	7.40 m



CPA 222E

Key Applications

Drill & Blast Construction / Ground Levelling

Small Quarry



CPA 222E

Key Applications

Drill & Blast Construction / Ground Levelling

Small Quarry



Under Development

CPA 28-050

PRODUCT PRESENTATION



Under Development

CPA 28-050

Specifications

Drifters

Drifter	Power	Strike Energy	Frequency	Motor	Torque	Flushing	Front Guide	Reverse Percussion
HC50 E-	13 kW	179 - 200 J	2700 - 3750 BPM (45 - 62.5 Hz)	71 cc	466 N.m	Air	Bolted 38 mm	No Reverse Percussion

Compatible Shanks

HC50	MALE T38
------	----------



Compatible Drilling Rods

Rod Type	Thread	Length (ft)	Length (mm)
Male - Female	T38	First : Up to 16 ft Carrousel : 12 ft (x3)	First : Up to 4877 mm Carrousel : 3660 mm (x3)



CPA Weight	2750 kg ?
Carrier Weight	28 – 35 t
Hole Size	57 – 89 mm
Max. Depth	15 m



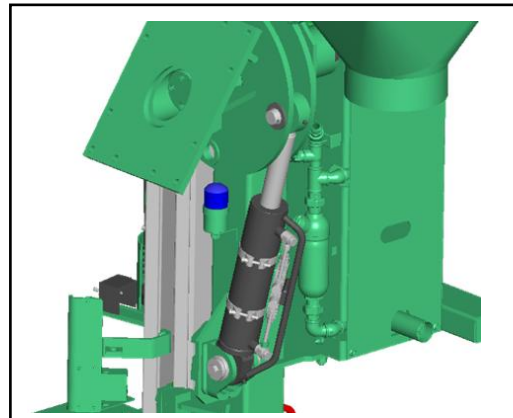
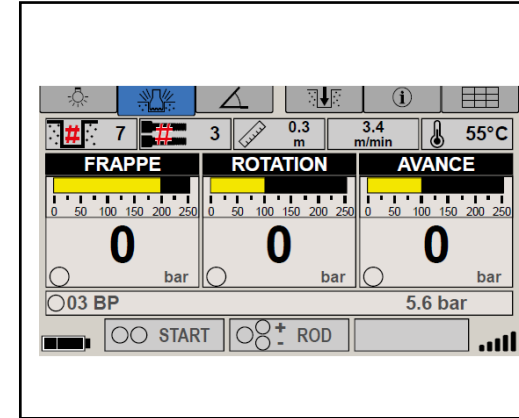
CPA 28-050

Specifications

Features

Remote Control

4x (+/- 45° Tilt Cylinder) Covering 360°



CPA Weight	2750 kg ?
Carrier Weight	28 – 35 t
Hole Size	57 – 89 mm
Max. Depth	15 m

CPA 28-050

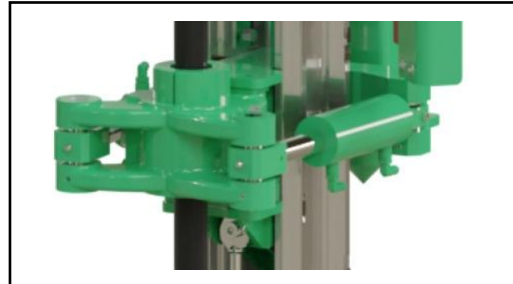
Specifications

Features

Independent Hydraulic Anchoring

Rod Centralizer / Blocker

Rod Adder Clamps



CPA Weight	2750 kg ?
Carrier Weight	28 – 35 t
Hole Size	57 – 89 mm
Max. Depth	15 m

CPA 28-050

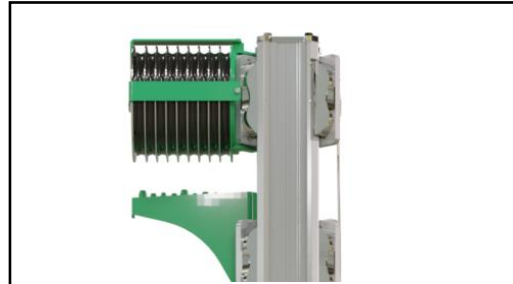
Specifications

Features

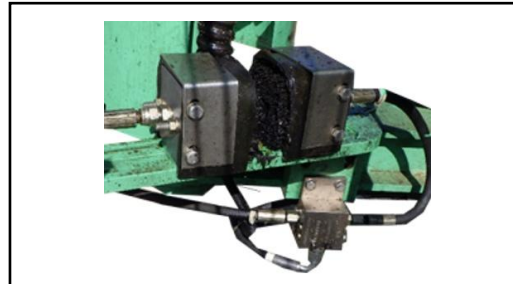
Rod Carrousel (x3 Rod Capacity)



Hydraulic Hose Reel



Integrated Drilling Tool Thread Greasing



CPA Weight	2750 kg ?
Carrier Weight	28 – 35 t
Hole Size	57 – 89 mm
Max. Depth	15 m

CPA 28-050

Specifications

Features

Integrated Shank Lubrication System

Proximity Sensor (Active)
Mandatory for EU markets



CPA Weight	2750 kg ?
Carrier Weight	28 – 35 t
Hole Size	57 – 89 mm
Max. Depth	15 m

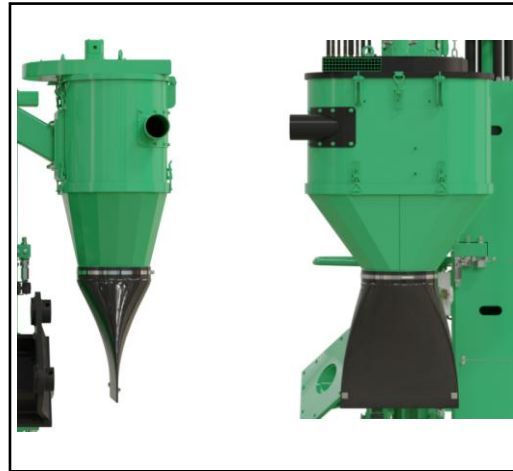
CPA 28-050

Specifications

Features

Hydraulic Dust Collector

Equipped with a reverse air cleaning system



Movable Dust Hood



CPA Weight	2750 kg ?
Carrier Weight	28 – 35 t
Hole Size	57 – 89 mm
Max. Depth	15 m

CPA 30-095

PRODUCT PRESENTATION



CPA 30-095

Specifications

Drifters

Drifter	Power	Strike Energy	Frequency	Motor	Torque	Flushing	Front Guide	Front Guide	Reverse Percussion
HC95 LQ	18 kW (24 hp)	349 - 430 J	(48 - 57 Hz)	200 cc	955 N.m	Air	Bolted 45 mm	Standard	Hydraulic
HC95 LQ	18 kW (24 hp)	349 - 430 J	(48 - 57 Hz)	200 cc	955 N.m	Air	Bolted 45 mm	Lube Oil Recovery	Hydraulic
HC95 LQ	18 kW (24 hp)	349 - 430 J	(48 - 57 Hz)	200 cc	955 N.m	Air	Bolted 51 mm	Standard	Hydraulic
HC95 LQ	18 kW (24 hp)	349 - 430 J	(48 - 57 Hz)	200 cc	955 N.m	Air	Bolted 51 mm	Lube Oil Recovery	Hydraulic

Compatible Shanks

HC95LQ

MALE T38
MALE T45
MALE T51

Compatible Drilling Rods

Rod Type	Thread	Length (ft)	Length (mm)
Male - Female	T38	First : Up to 16 ft Carrousel : 12 ft (x7)	First : Up to 4877 mm Carrousel : 3660 mm (x7)
Male - Female	T45	First : Up to 16 ft Carrousel : 12 ft (x7)	First : Up to 4877 mm Carrousel : 3660 mm (x7)
Male - Female	T51	First : Up to 16 ft Carrousel : 12 ft (x7)	First : Up to 4877 mm Carrousel : 3660 mm (x7)



CPA Weight	2870 - 3040 kg
Carrier Weight	28 – 45 t
Hole Size	57 – 102 mm
Max. Depth	29.8 m



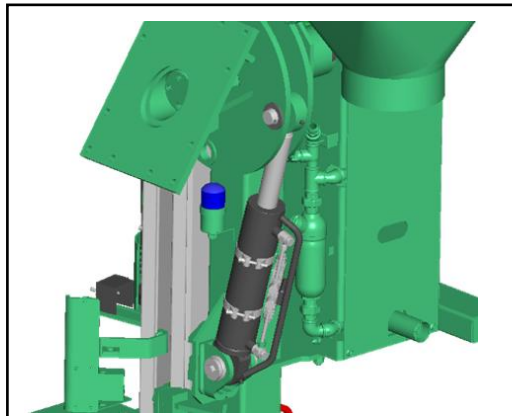
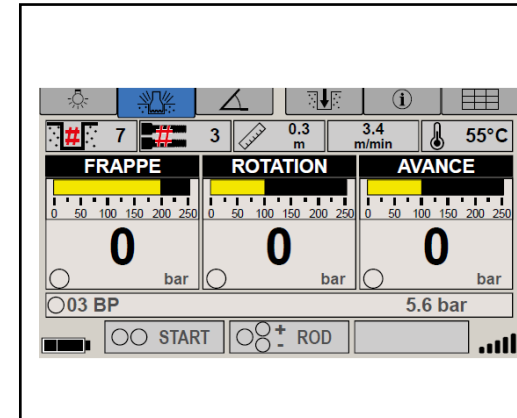
CPA 30-095

Specifications

Features

Remote Control

4x (+/- 45° Tilt Cylinder) Covering (360°)



CPA Weight	2870 - 3040 kg
Carrier Weight	28 – 45 t
Hole Size	57 – 102 mm
Max. Depth	29.8 m



CPA 30-095

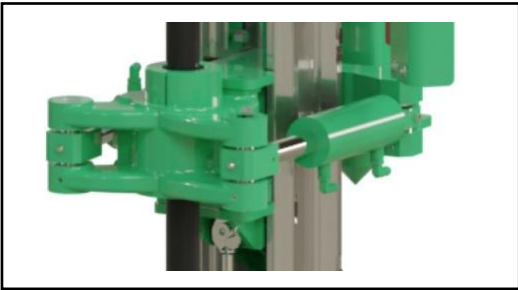
Specifications

Features

Independent Hydraulic Anchoring

Rod Centralizer / Blocker

Rod Adder Clamps



CPA Weight	2870 - 3040 kg
Carrier Weight	28 – 45 t
Hole Size	57 – 102 mm
Max. Depth	29.8 m



CPA 30-095

Specifications

Features

Integrated Shank Lubrication System

Proximity Sensor (Active)
Mandatory for EU markets



CPA Weight	2870 - 3040 kg
Carrier Weight	28 – 45 t
Hole Size	57 – 102 mm
Max. Depth	29.8 m



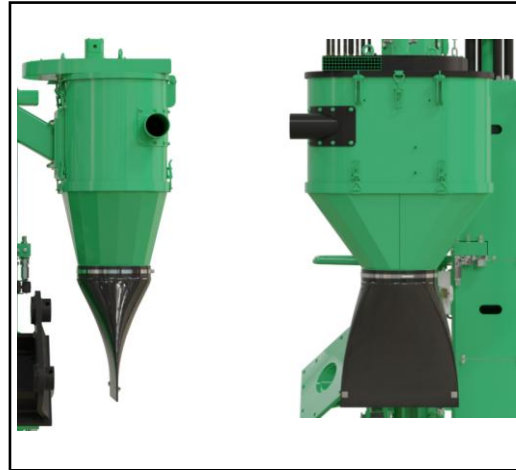
CPA 30-095

Specifications

Features

Hydraulic Dust Collector

Equipped with a reverse air cleaning system



Movable Dust Hood



CPA Weight	2870 - 3040 kg
Carrier Weight	28 – 45 t
Hole Size	57 – 102 mm
Max. Depth	29.8 m

CPA 30-095

Key Applications

Drill & Blast Construction / Ground Levelling

Quarry

Bolting



CPA 30-095

Key Applications

Drill & Blast Construction / Ground Levelling

Quarry

Bolting



CPA 30-095

Key Applications

Drill & Blast Construction / Ground Levelling

Quarry

Bolting



CPA 30-150

PRODUCT PRESENTATION



CPA 30-150

Specifications

Drifters

Drifter	Power	Strike Energy	Frequency	Motor	Torque	Flushing	Front Guide	Front Guide Specifics	Reverse Percussion
HC150 E-	21 kW	469 - 520 J	38 - 41 Hz	067 cc	883 N.m	Air	Bolted 51 mm	Standard	Hydraulic
HC150 E-	21 kW	469 - 520 J	48 - 57 Hz	075 cc	994 N.m	Air	Bolted 51 mm	Standard	Hydraulic

Compatible Shanks

HC150

MALE T45
MALE T51



Compatible Drilling Rods

Rod Type	Thread	Length (ft)	Length (mm)
Male - Female	T45	First : Up to 16 ft Carrousel : 12 ft (x7)	First : Up to 4877 mm Carrousel : Up to 3660 mm (x7)
Male - Female	T51	First : Up to 16 ft Carrousel : 12 ft (x7)	First : Up to 4877 mm Carrousel : Up to 3660 mm (x7)



CPA Weight	2970 - 3050 kg
Carrier Weight	28 – 45 t
Hole Size	76 – 115 mm
Max. Depth	29.8 m



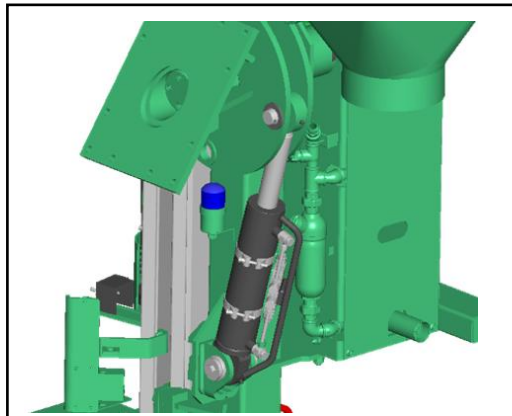
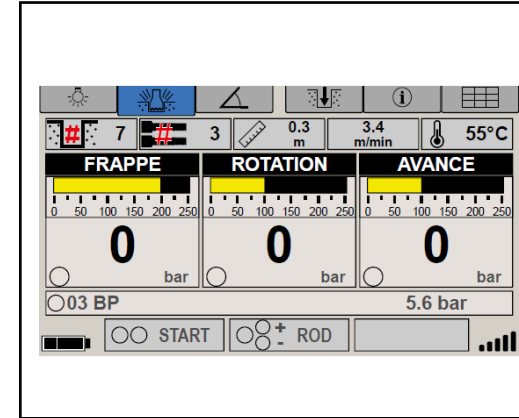
CPA 30-150

Specifications

Features

Remote Control

4x (+/- 45° Tilt Cylinder) Covering (360°)



CPA Weight	2970 - 3050 kg
Carrier Weight	28 – 45 t
Hole Size	76 – 115 mm
Max. Depth	29.8 m



CPA 30-150

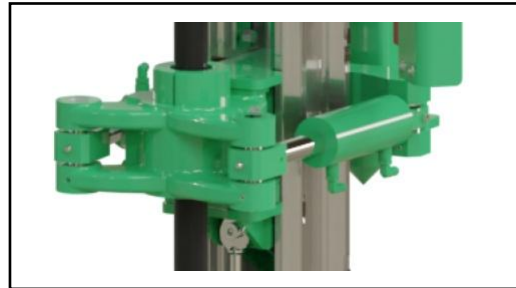
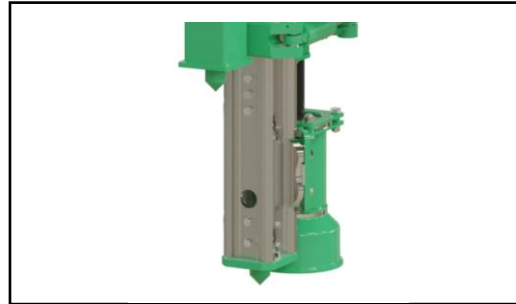
Specifications

Features

Independent Hydraulic Anchoring

Rod Centralizer / Blocker

Rod Adder Clamps



CPA Weight	2970 - 3050 kg
Carrier Weight	28 – 45 t
Hole Size	76 – 115 mm
Max. Depth	29.8 m



CPA 30-150

Specifications

Features

Integrated Shank Lubrication System

Proximity Sensor (Active)
Mandatory for EU markets



CPA Weight	2970 - 3050 kg
Carrier Weight	28 – 45 t
Hole Size	76 – 115 mm
Max. Depth	29.8 m



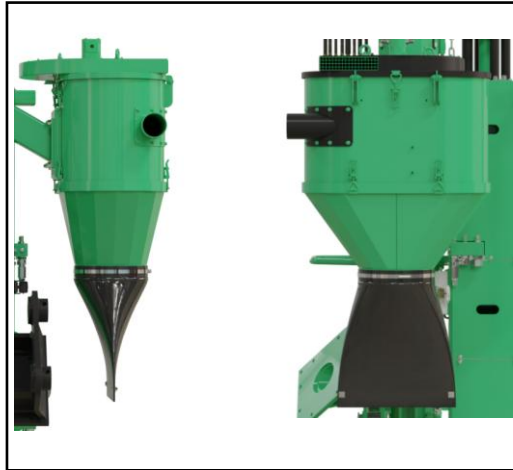
CPA 30-150

Specifications

Features

Hydraulic Dust Collector

Equipped with a reverse air cleaning system



Movable Dust Hood



CPA Weight	2970 - 3050 kg
Carrier Weight	28 – 45 t
Hole Size	76 – 115 mm
Max. Depth	29.8 m

CPA 30-150

Key Applications

Ground Levelling / Construction

Quarry Drill & Blast

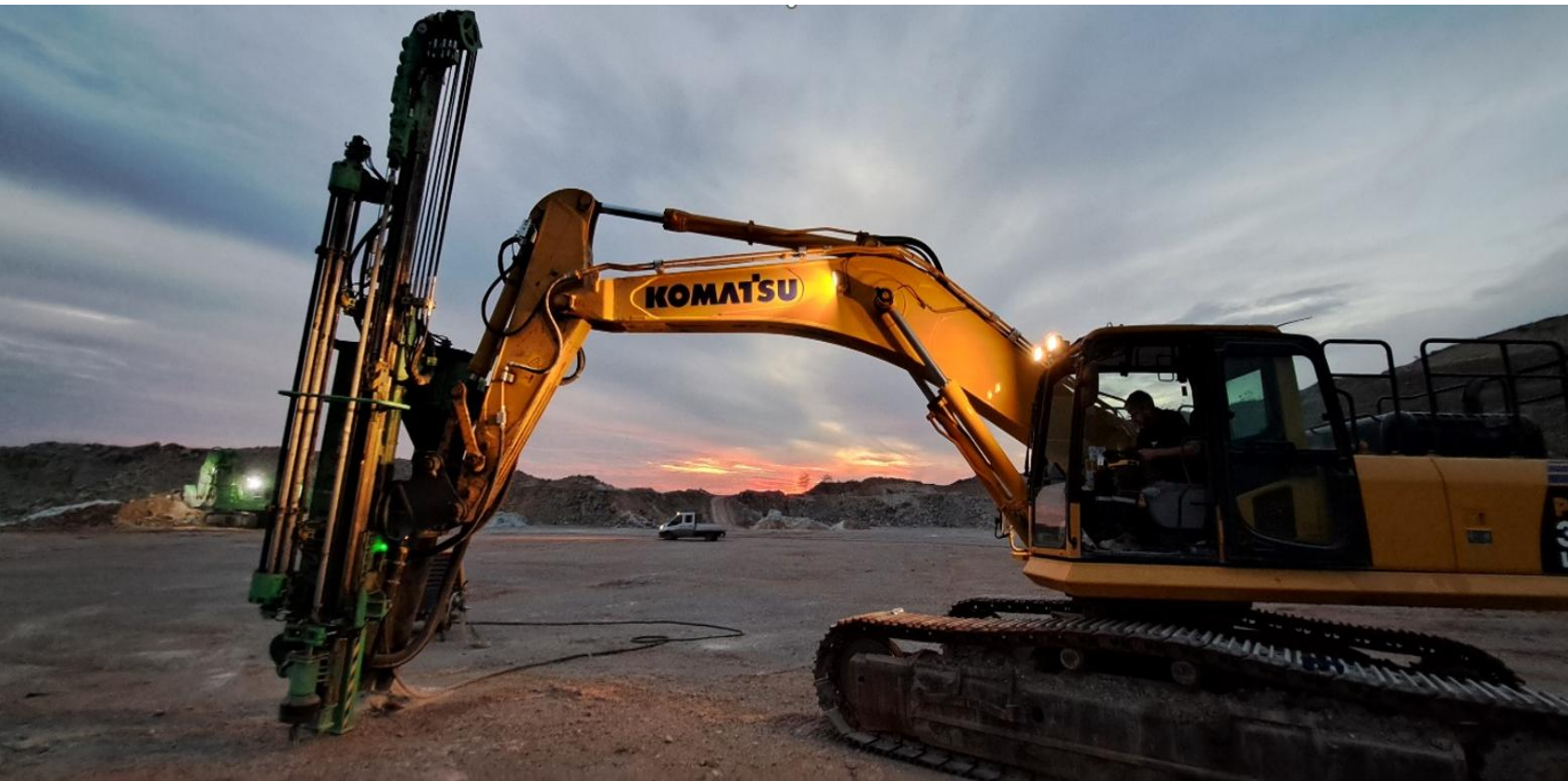


CPA 30-150

Key Applications

Ground Levelling / Construction

Quarry Drill & Blast



CPA 30-160

PRODUCT PRESENTATION



CPA 35-160

Specifications

Drifters

Drifter	Power	Strike Energy	Frequency	Motor	Torque	Flushing	Front Guide	Front Guide Specifics	Reverse Percussion
HC160 QS	27 kW	453 - 600 J	38 - 45 Hz	315 cc	2031 N.m	Air	Bolted 60 mm	Standard	Hydraulic

Compatible Shanks

HC160
MALE T45
MALE T51
MALE GT60



CPA Weight 3574 - 4000 kg

Carrier Weight 28 – 50 t

Hole Size 89 – 127 mm

Max. Depth 30 m



CPA 35-160

Specifications

Compatible Drilling Rods (Standard Version)

Rod Type	Thread	Length (ft)	Length (mm)
Male - Female	T45	First : Up to 16 ft Carrousel : 12 ft (x7)	First : Up to 4877 mm Carrousel : 3660 mm (x7)
Male - Female	T51	First : Up to 16 ft Carrousel : 12 ft (x7)	First : Up to 4877 mm Carrousel : 3660 mm (x7)
Male - Female	GT60	First : Up to 16 ft Carrousel : 12 ft	First : Up to 4877 mm Carrousel : 3660 mm (x5)

Compatible Drilling Rods (Long Mast Version)

Rod Type	Thread	Length (ft)	Length (mm)
Male - Female	T51	First : Up to 24 ft Carrousel : 20 ft (x4)	First : Up to 7315 mm Carrousel : 6069 mm (x4)
Male - Female	GT60	First : Up to 24 ft Carrousel : 20 ft (x3)	First : Up to 7315 mm Carrousel : 6069 mm (x3)



CPA Weight	3574 - 4000 kg
Carrier Weight	28 – 50 t
Hole Size	89 – 127 mm
Max. Depth	30 m



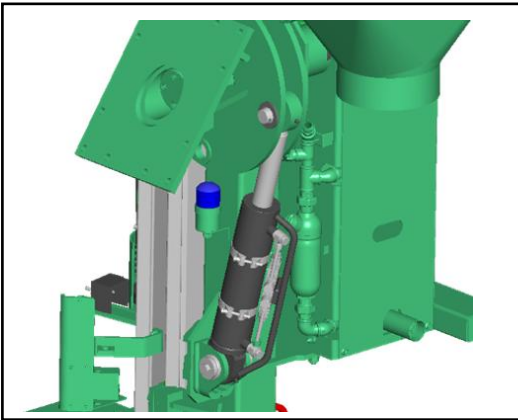
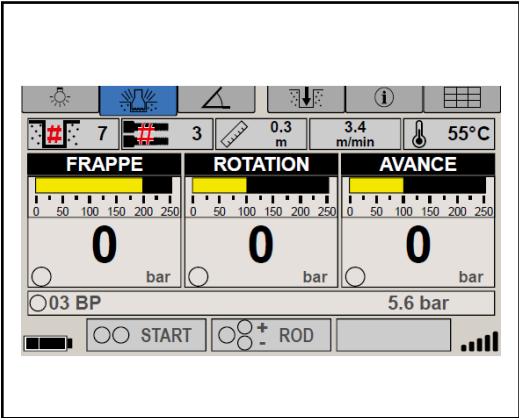
CPA 35-160

Specifications

Features

Remote Control

4x (+/- 45° Tilt Cylinder) Covering (360°)



CPA Weight	3574 - 4000 kg
Carrier Weight	28 – 50 t
Hole Size	89 – 127 mm
Max. Depth	30 m



CPA 35-160

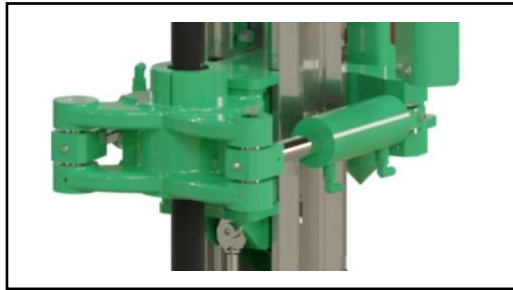
Specifications

Features

Independent Hydraulic Anchoring

Rod Centralizer / Blocker

Rod Adder Clamps



CPA Weight	3574 - 4000 kg
Carrier Weight	28 – 50 t
Hole Size	89 – 127 mm
Max. Depth	30 m



CPA 35-160

Specifications

Features

Integrated Shank Lubrication System

Proximity Sensor (Active)
Mandatory for EU markets



CPA Weight	3574 - 4000 kg
Carrier Weight	28 – 50 t
Hole Size	89 – 127 mm
Max. Depth	30 m



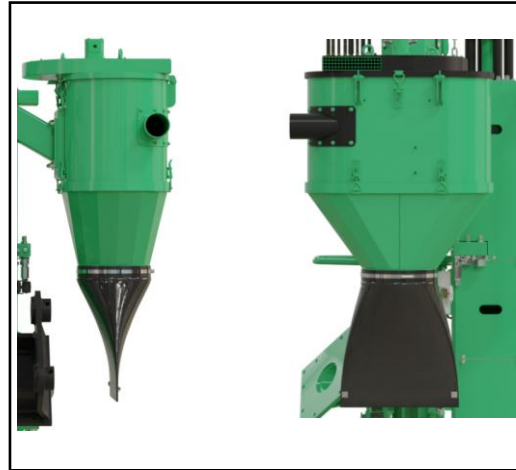
CPA 35-160

Specifications

Features

Hydraulic Dust Collector

Equipped with a reverse air cleaning system



Movable Dust Hood



CPA Weight	3574 - 4000 kg
Carrier Weight	28 – 50 t
Hole Size	89 – 127 mm
Max. Depth	30 m

CPA 35-160

Key Applications



Quarry Drill & Blast



THANK YOU

