

NATIONAL PILE CROPPERS



...EXPERIENCE COUNTS!



OUR AIM...

Our aim is quite simply to be the best at what we do. We are passionate about always providing you with a fast knowledgeable response; delivering the best equipment and service on time.



NATIONAL PILE CROPPERS

The UK's favourite hydraulic pile cropper hire company have an extensive fleet of equipment for the reduction of ALL pile types.

WHY NPC

- Our pile croppers, built for the 21st century are designed and manufactured in house.
- Bespoke croppers for specific projects can also be designed upon request.
- 24/7 support for your out of hours calls.
- Delivery to your site by our team of highly skilled site engineers.

TEAM BLUE

Call our extremely experienced team who will advise the best solution for your problem.

With the largest range of pile croppers in the UK at our disposal we are confident we will deliver you the best option from one of our national depots.

NOT JUST A CALL CENTRE!!

Deal directly with our qualified Sales Team who offer the best knowledge in the sector.

T +44 (0) 3300 240 247 E office@nationalpilecroppers.com



Members of the Fleet Operator Recognition Scheme

CFA PILES

QUAD 300-1200 CROPPER

Our Quad Croppers are designed to be used for the reduction of augured (round) piles up to 1200mm diameter. Utilising four powerful and fully synchronised rams with specially designed blades to give a superb pile cut. The cropper will also hold the cut pile section safely for removal to a designated safe area.

Best utilised on piles with 'debonded' reinforcement bars. Its design gives it a very small footprint to enable access into tight spaces. The Quad cropper can also be used to reduce contiguous and secant piled walls with spacing as close as 100mm.

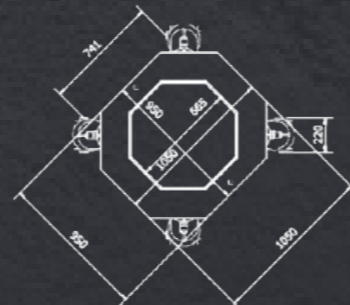


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THE QUAD CROPPER

	Quad	Quad L	Quad XL	Quad XXL
Pile Size (Inch)	12-24	24-30	30-36	36-48
Weight (Lbs/kg)	3031/1375	5071/2300	5512/2500	8102/3675
Length (Inch 1 dp)	41.3	70.6	75.8	93
Width (Inch 1 dp)	37.4	70.6	75.8	93
Height (Inch 1 dp)	43.6	50.6	50.6	93
Excavator min size (Metric tonne)	13	16	21	30
Max operating pressure (bar)	275			
Flow rate (L/Min)	90-180			



...PILES DON'T HAVE TO BE PAINFUL

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CFA PILES

CONTIG 450 & 600 CROPPER

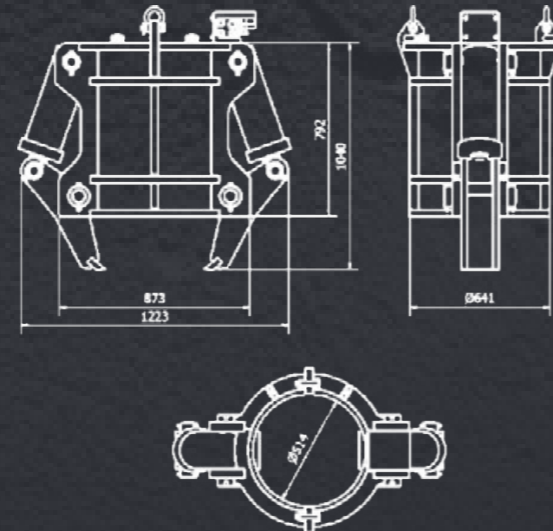
As the name suggests, a cropper built with the purpose of reducing piles in a contiguous or secant wall formation where only two sides of the pile can be exposed and spaces between adjacent piles is tight.

Two hydraulic rams mounted opposing at 180 degrees give you the ability to position the cropper over the wall to reduce the piles. The wall thickness of the cropper allows it to slot between contiguous piles with spacing as close as 70mm.



THE CONTIG CROPPER

	Contig 450	Contig 600
Pile Size (Inch)	12-18	18-24
Weight (Lbs/kg)	1929/875	3086/1400
Length (Inch 1 dp)	48.1	57.9
Width (Inch 1 dp)	25.2	30.9
Height (Inch 1 dp)	40.1	51.2
Excavator min size (Metric tonne)	8	13
Max operating pressure (bar)	275	
Flow rate (L/Min)	90-180	



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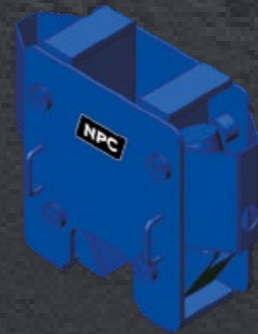
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PRE-CAST PILES

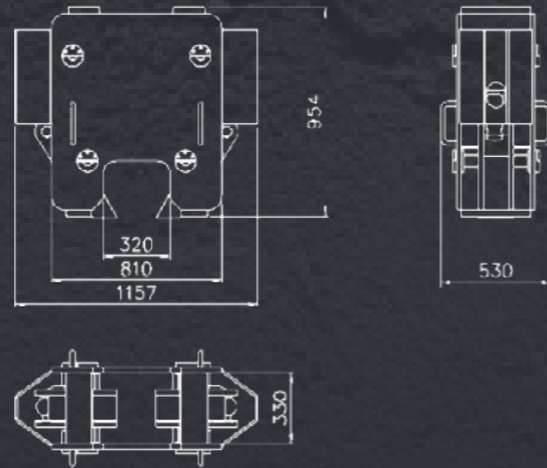
DUAL CROPPER

Our Dual cropper is used to reduce any pre-cast concrete (PCC) pile with single or multiple reinforcement bars. The cropper is narrow enough to fit into 600mm trench digs and tight spaces, this is a very versatile cropper giving a superb finish using the two cutting blades. The Dual cropper is used to expose the rebar to the finish level by nibbling down the pile at intervals of 250mm – 500mm. Recommended for sites where the multi-bar cropper is too large. 800kg weight – minimum 8T excavators and above.



THE DUAL CROPPER

	Dual small	Dual large
Pile Size (Inch)	200-250	250-300
Weight (Lbs/kg)	800	850
Length (Inch 1 dp)	1100	1157
Width (Inch 1 dp)	530	530
Height (Inch 1 dp)	954	954
Excavator min size (Metric tonne)	8	8
Max operating pressure (bar)	275	
Flow rate (L/Min)	90-220	



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PRE-CAST PILES

POWER CROPPER

Designed to be better than the rest, and it is by some way. By utilising lighter, stronger materials we have kept the weight to 1Tonne and the dimensions small to enable easy movement around your site. Two very powerful rams ensure no pile up to 300mm will not be cut with ease by the two extremely hard wearing and fully scissoring jaws. Hydraulic control boxes ensure the two jaws operate in complete unison giving you much less trimming work at finish level.

The Power Cropper can be used to reduce the piles in sections of 1m and more at a time, cutting straight through the reinforcement allowing the site to be cleared extremely quickly. Due to its excellent control, the Power Cropper can also be used to reduce the pile in small sections leaving the rebar intact.

Highly recommended for sites with a sea of piles requiring quick reduction to ground level.

1 Tonne weight – recommended excavator size 13T and above.

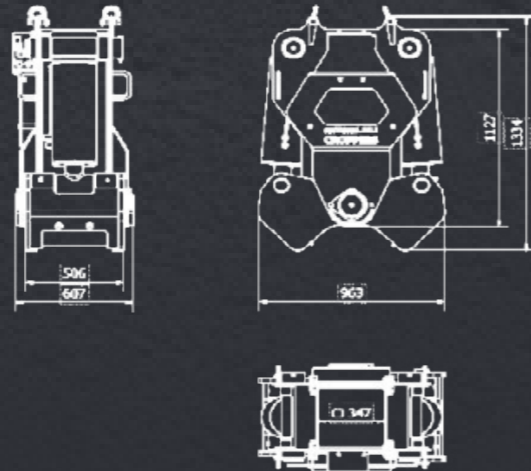


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THE POWER CROPPER

	12	14
Pile Size (Inch)	8-12	8-14
Weight (Lbs/kg)	2314/1050	2646/1200
Length (Inch 1 dp)	38	43.3
Width (Inch 1 dp)	21.7	25.6
Height (Inch 1 dp)	52.5	47.2
Excavator min size (Metric tonne)	13	13
Max operating pressure (bar)	275	
Flow rate (L/Min)	90-220	



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CFA PILES

CFA CROPPER

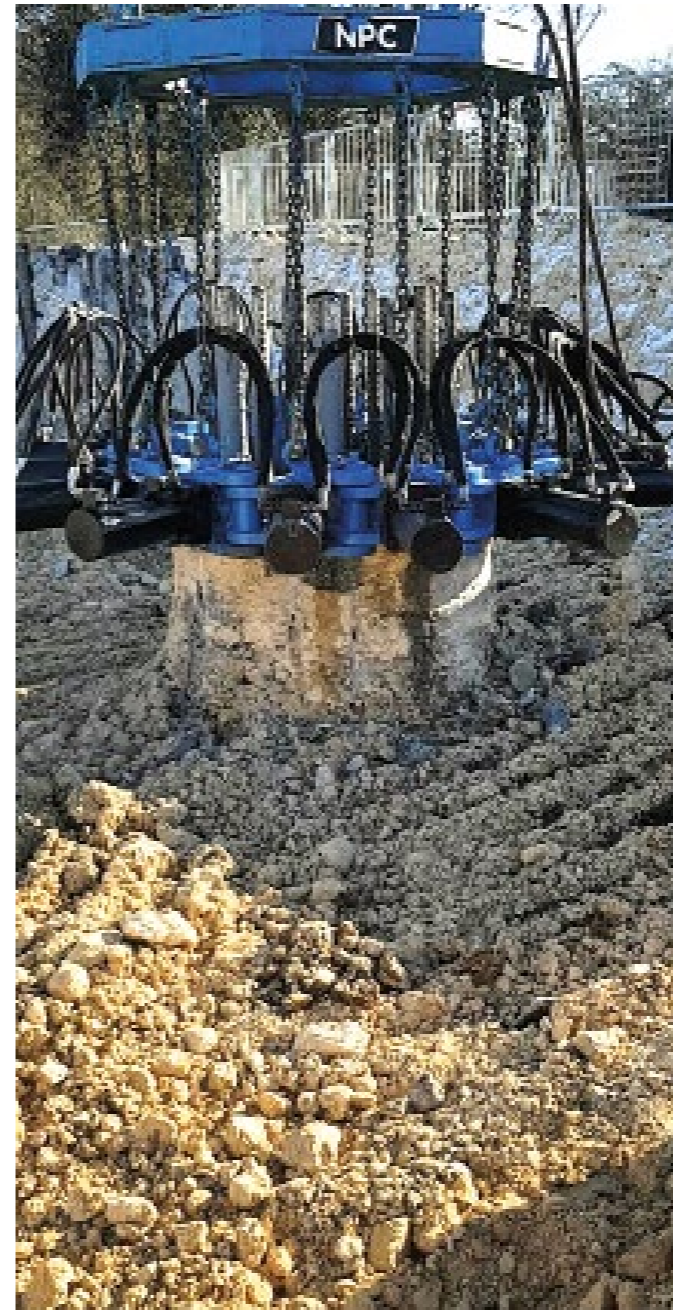
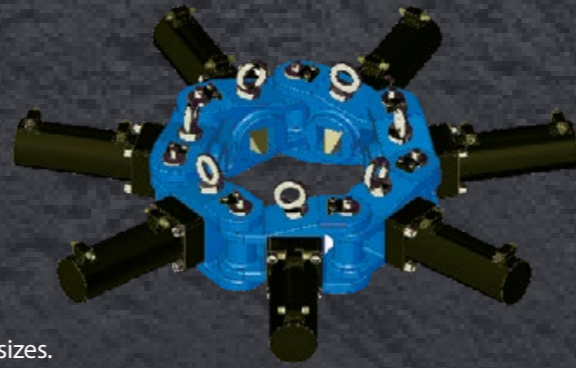
Traditional linked modular cropper can be manually adjusted to suit required pile sizes. Adjustments of 100mm at a time can be achieved easily, without hydraulic intervention, by adding a Half Link.

Using the provided lifting frame the CFA Cropper has the advantage of minimal vertical restriction, making it ideal in deep foundations.

The standard CFA Cropper will cut circular augured concrete piles from 300mm to 1200mm. The Heavy Duty CFA Cropper is used for piles sizes 1200mm to 2400mm.

THE CFA CROPPER

	7	7.5	9	10.5	12	13.5	15
Common Pile Sizes (Inch)	12	18	24	30	36	42	48
Weight (Lbs/kg)	1698/770	1818/825	2183/990	2535/1150	2910/1320	3252/1475	3638/1650
Length (Inch 1 dp)	64.8	67.3	73	79.5	85.1	91.5	97
Width (Inch 1 dp)	64.8	67.3	73	2020	85.1	91.5	97
Height (Inch 1 dp)	13.5						
Excavator min size (Metric tonne)	8	8	13	13	13	13	13
Max operating pressure (bar)	275						
Flow rate (L/Min)	90-180						



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PRE-CAST PILES

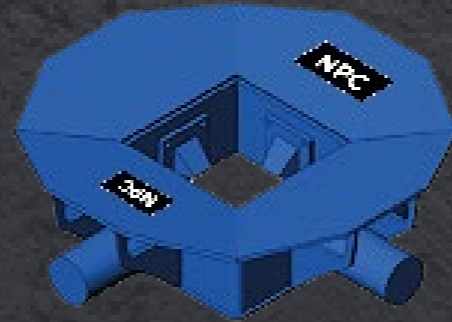
MULTI-BAR CROPPER

An old favourite the Multi-Bar cropper as its name suggests is used for precast piles (PCC) with four or more reinforcement bars (rebar).

At only 450kgs the cropper can be mounted to a minimum 6T Excavator.

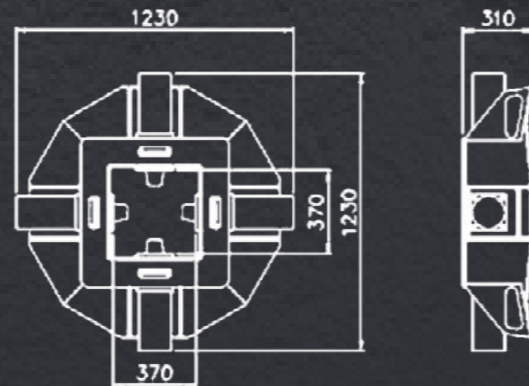
The cropper is designed to remove sections of concrete at approx. 250mm per crop. The 4 powerful rams and blades penetrating past the rebar and into the centre of the pile to leave a minimum of trimming.

Not recommended for pile caps or tight sites – requires a 600 bucket dig all around pile edge.



MULTI-BAR CROPPER

	MB 8-10-12	MB 12-14
Pile Size (Inch)	8-10	10-12
Weight (Lbs/kg)	992/450	1213/550
Length (Inch 1 dp)	48.3	48.3
Width (Inch 1 dp)	48.3	48.3
Height (Inch 1 dp)	10.7	10.7
Excavator min size (Metric tonne)	6	6
Max operating pressure (bar)	275	
Flow rate (L/Min)	90-220	



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PRE-CAST PILES

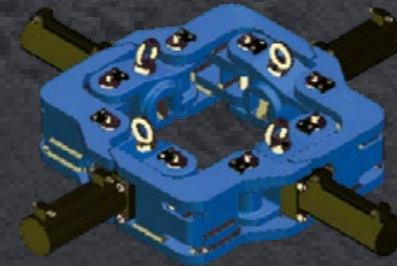
PRE-CAST 400 CROPPER

Our newly designed cropper for piles from 300-400mm, as its name suggests is used for precast piles (PCC) with four or more reinforcement bars (rebar).

At only 550kgs the cropper can be mounted to a minimum 6T Excavator.

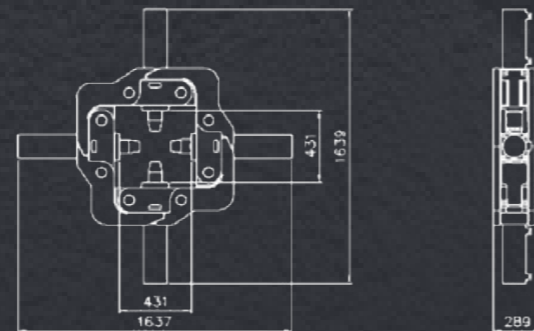
The cropper is designed to remove sections of concrete at approx. 250mm per crop. The 4 powerful rams and blades penetrating past the rebar and into the centre of the pile to leave a minimum of trimming.

Not recommended for pile caps or tight sites – requires a 600 bucket dig all around pile edge.



THE PRECAST 400 CROPPER

	P400
Pile Size (Inch)	12-16
Weight (Lbs/kg)	1213 / 550
Length (Inch 1dp)	64.8
Width (Inch 1dp)	33.4
Height (Inch 1dp)	9.9
Excavator min size (Metric tonne)	6
Max operating pressure (bar)	275
Flow rate (L/Min)	90-180



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PRE-CAST PILES

SINGLE-BAR CROPPER

Predominately used with Roger Bullivant and Van Elle single re-bar piles.

Simplistic design leads to a very slim pile cropper which can be lowered over piles in trenches as narrow as 450mm. Perfect for traditional and trench foundations in housing and commercial projects.

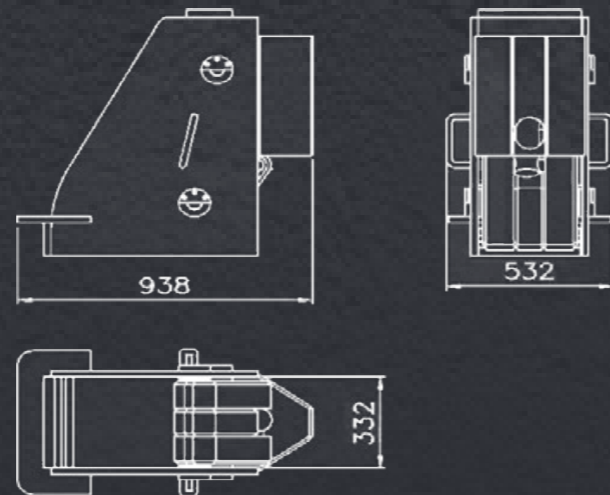
Manual adjustment between 200/225/250/300mm can be easily carried out on site using a 30mm hexagon spanner.

At only 450kgs the cropper can be mounted to a minimum 6T Excavator.



SINGLE-BAR CROPPER

	SB 8-10	SB 10-12
Pile Size (Inch)	8-10	10-12
Weight (Lbs/kg)	992/450	1213/550
Length (Inch 1 dp)	35.4	35.4
Width (Inch 1 dp)	17.7	21.7
Height (Inch 1 dp)	35.4	35.4
Excavator min size (Metric tonne)	5	5
Max operating pressure (bar)	275	
Flow rate (L/Min)	90-180	



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NATIONAL PILE CROPPERS

Pile Cropper Hire specialists NPC aim to concentrate on providing a very personal service.

With our wide range of specialist cropping equipment designed in-house and available nationwide with services tailored to meet your requirements.

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Contact us

Our pile croppers are available for you to hire 24/7

Head Office

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United Kingdom

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National Pile Cropper Accreditations....



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...NPC PUTS THE SMILES INTO PILES

GENERAL INFORMATION

- Always cut piles from top and not from any other position on the pile.
- We recommend a saw cut be etched at finish level to prevent fractures below.
- Always move to a safe distance once cropper has been positioned over pile.
- Use a machine capable of carrying the cropper plus excess pile.

Cropper Type	Depth of Cut (mm)	Blinding Cut Depth (mm)	Comments
Single Bar	150-200	75	Initial cut to be made below top collar of pile
Dual	100-1000	75	Will cut metre lengths including rebar (>T16) on most pile types
Multibar	150-200	75	Not designed for stripping; check blades and bolts are tight
Power	100-1000	75	Will cut metre lengths including rebar
CFA	200-300	75	Install half link for oversized piles – tighten safety plate
Trench	100-250	75	Not designed for stripping; check blades and bolts are tight
Contig	100-300	75	Not designed for stripping; check blades and bolts are tight
Quad	300	100	Ensure hydraulics not caught on adjacent piles, do not adjust without first consulting staff at National Pile Croppers.
Quad L	300	100	Capture broken pile within cropper and move to designated area
Quad XL	300	100	Do not attempt to pull concrete off bent reinforcement

*These figures are advisory only, should reinforcement break adjust accordingly.

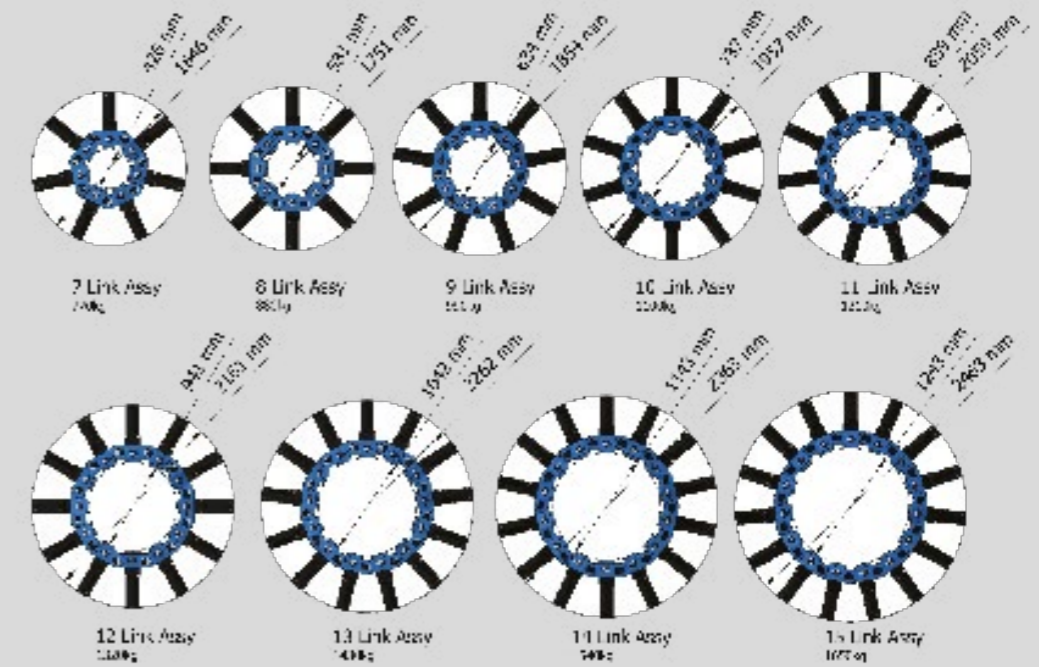
DO

- Ensure operatives have familiarised themselves with the cropper being used
- Use a Banksman
- Ensure a Banksman and the excavator operator are fully conversant with standard hand signals
- Maintain visual and verbal contact with the Banksman at all times
- Maintain a safe exclusion zone whilst cropping
- Keep clear of all moving components
- Straighten bent Reinforcement before cropping
- Call NPC if unsure or for advice
- Check all bolts, blades, hydraulic hoses and fittings for movement and tighten at least twice daily
- Load the grease nipples daily
- Check the hydraulic connections for leaks before and during use
- Check chains after every operation
- Wear adequate PPE

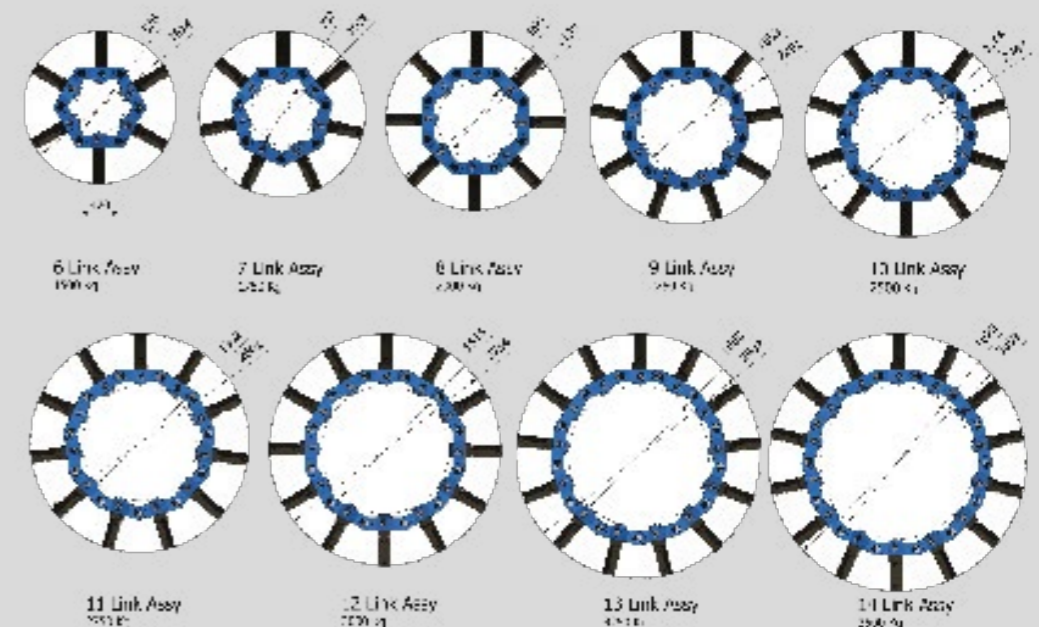
DO NOT

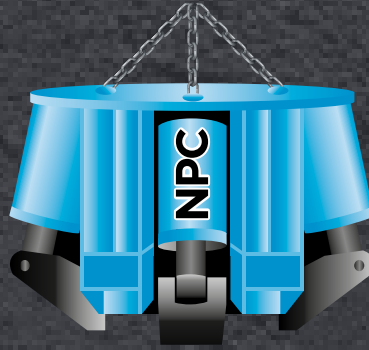
- Overload chains or cropper
- Cut more pile than advised above
- Stand directly under any elevated croppers or related equipment
- Use any cropper or its chains for anything other than their intended use
- Use the hydraulic hoses as a handle
- Disconnect the hydraulics from the excavator without first releasing the pressure
- Use the cropper for stripping the piles
- Attempt to cut piles from the base up

CFA LINKS CONFIGURATION



HEAVY DUTY CFA LINKS CONFIGURATION





NATIONAL PILE CROPPERS

HEAD OFFICE

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