



NZStirrers

Custom Designed and Built Stirrers

ULTIMATE 400 HYDRAULIC TORQUE CONVERTER

300 | 400 | 500 SERIES

NEW





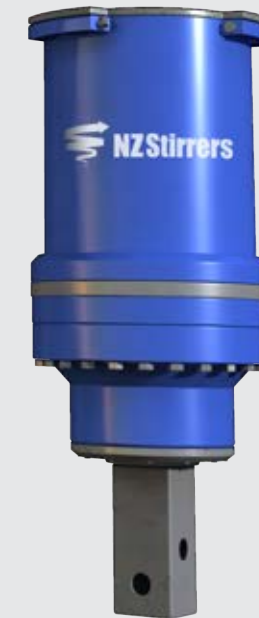
ULTIMATE 400 HYDRAULIC TORQUE CONVERTER

NEW

An amazing new attachment that gives you greater flexibility on the job.

Imagine having the ability to increase the torque of your main drive unit from 100,000Nm (72,915-ft-lbs) to 420,000Nm (309,776-ft-lbs) with an easy-to-fit attachment that takes under five minutes to connect up.

NZ Stirrers, an innovative company based in Auckland, New Zealand, developed this concept for those companies specifically in the business of driving in “screw anchors” and “pile drilling”.





**THE ULTIMATE 400 TORQUE CONVERTER
ATTACHMENT IS CONVENIENT AND
COST EFFECTIVE FOR THOSE AWKWARD
PROJECTS WITH LIMITED ACCESS**

ULTIMATE 400 TORQUE CONVERTER – PILE DRILLING

For smaller, more shallow screw anchor or smaller pile hole projects, you can simply use NZ Stirrers attachment without the Torque Converter on. With its powerful 100,000Nm (73,756-ft-lbs) 2-speed drive motor, you still have plenty of power, even if it's just to start off your screw anchors and then attaching and finishing them off, using the Ultimate 400 Torque Converter.

Without the Ultimate 400 Torque Converter Attachment on, you can still drill holes up to 2.3 metres (7ft 6.5in) in diameter (depending upon ground conditions and excluding rock).

If you are drilling large diameter foundation holes, we recommend using a 50 ton or larger, standard boom excavator to gain that extra reach, allowing drilling to depths up to 15 metres (50 feet) or more, pending ground conditions.

This makes the Ultimate 400 Torque Converter attachment, convenient and cost effective for those awkward projects with limited access, or those smaller projects without the budgets for larger, more expensive equipment – not forgetting the convenience of not having to wait for those specialized pieces of equipment to become available. No need to be using setups weighing 120 ton or more with big transport and set up costs.

For extremely large holes, you will need to ensure that the excavator is capable of handling the weight of the drilling equipment plus the weight of the soil/spoil to be lifted out.

ULTIMATE 400 TORQUE CONVERTER

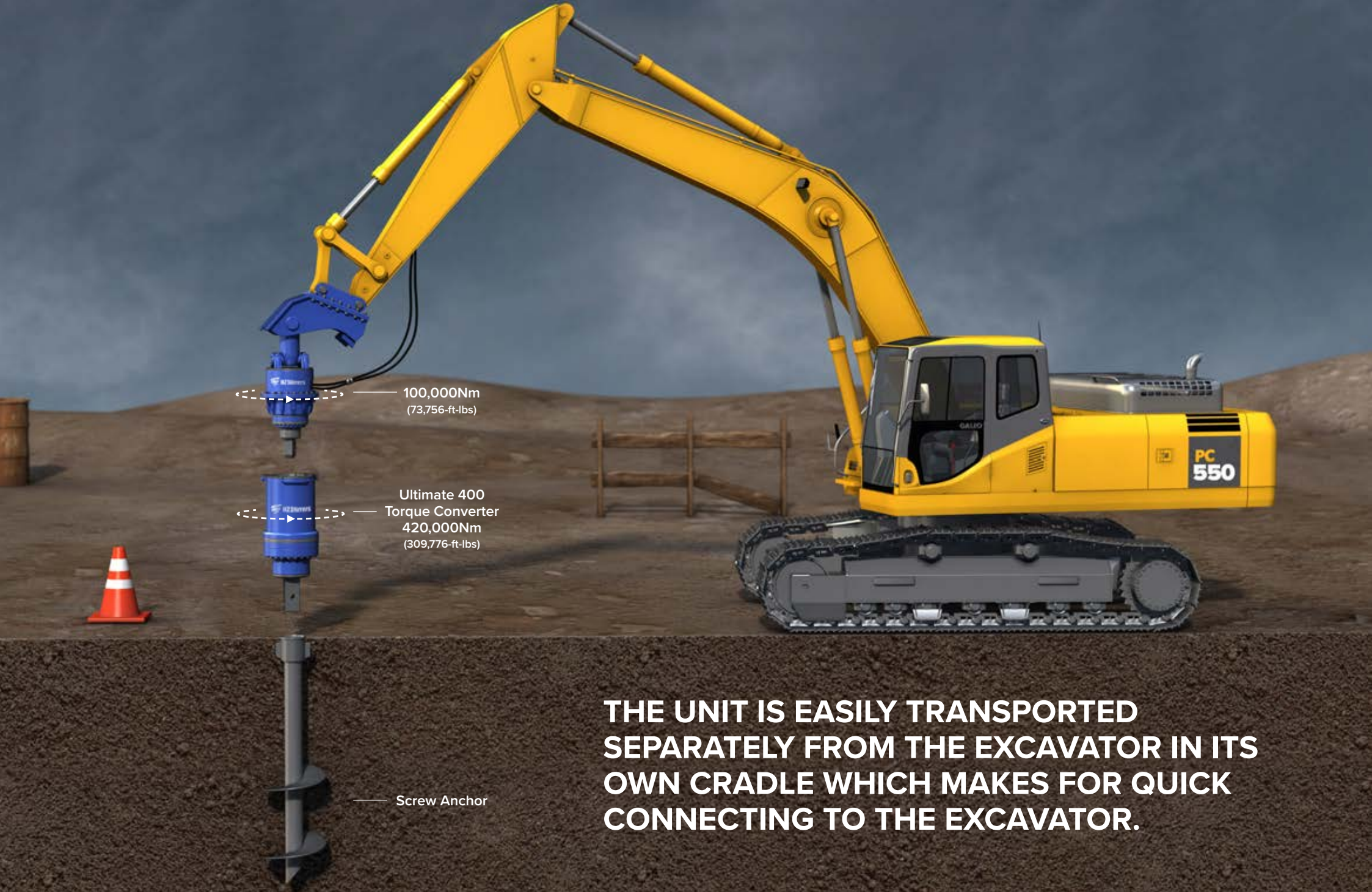
If your project requires some real power to screw in screw anchors, or for drilling holes up to 3.2 metres (10ft 5in) in diameter, you can quickly and simply attach the Ultimate 400 Torque Converter, increasing torque straight to 420,000Nm (309,776-ft-lbs) – 2 speed, rotational torque. We do recommend when using the Ultimate 400 Torque Converter Attachment, using a short boom, 50 ton excavator (minimum) for “screw anchor work”.

The Ultimate 400 Torque Converter takes under five minutes to attach using three special bolts. No extra hydraulic hosing is needed either. The Ultimate 400 Torque Converter comes in its own specially designed cradle, that holds it upright for easy, safe connecting – disconnecting as well as for safe transporting.

The whole unit is easily transported separately from the excavator in its own cradle which makes for quick connecting to the excavator. There is no need for a specially built / modified excavator unit to drive the Ultimate 400 Torque Converter attachment, just an everyday excavator.



THE ULTIMATE 400 TORQUE CONVERTER TAKES UNDER FIVE MINUTES TO ATTACH USING THREE SPECIAL BOLTS.



100,000Nm
(73,756-ft-lbs)

Ultimate 400
Torque Converter
420,000Nm
(309,776-ft-lbs)

Screw Anchor

THE UNIT IS EASILY TRANSPORTED SEPARATELY FROM THE EXCAVATOR IN ITS OWN CRADLE WHICH MAKES FOR QUICK CONNECTING TO THE EXCAVATOR.

5 MODELS AVAILABLE

Ultimate 100

Drive Motor 50,000Nm
Converter to 210,000Nm

Ultimate 200

Drive Motor 50,000Nm
Converter to 210,000Nm

Ultimate 300

Drive Motor 75,000Nm
Converter to 315,000Nm

Ultimate 400

Drive Motor 100,000Nm
Converter to 420,000Nm

Ultimate 500

Drive Motor 150,000Nm
Converter to 550,000Nm



Developed in
New Zealand
and exported
to the world.

SPECIFICATIONS

ULTIMATE 400 TORQUE CONVERTER ATTACHMENT

- » Main Drive motor – 100,000Nm (72,915-ft-lbs) Maximum Torque
2-speed drive system
- » Pressure relief valve
- » Built-in “energy control relief valve”
- » Anti-kickback valve
- » Recommended excavator size
50 to 65 ton (short boom)
For screw anchor work and large diameter holes.
- » Max pressure 250 bar @ 380 lpm or
3650 psi @ 100 gpm
- » Max flow 380 lpm @ 250 bar or
100 gpm @ 3650 psi
- » Main drive motor output shaft
130mm – square
Changes with different models.
- » Ultimate 400 Torque Converter
output shaft 200mm – square
Changes with different models.
- » Hydraulic hosing to attach to the
excavators boom piping – with
screw in connections
- » Hydraulic hose size 1 ½ inch
case drain ½ inch required.
May change with different models.
- » Interchangeable hitch plate for
different size, models and makes of
excavators
- » Hitch – loose pin arrangement

Approximate total weight
3600kgs*

With both attachments, changes with
different models

Approximate overall length,
3000mm long + hitch*

With both attachments, changes with
different models

Delivered in one custom
steel cradle, hoist and
forklift friendly

Full insurance cover while
in transit to your home
country / workshop**

WARRANTY


Standard 12 months factory warranty on motor, gearbox and bearings – cover is on parts and labour worldwide.

Any importing or duty taxes, local taxes at the port or state border/s or any other taxes NZ Stirrers Limited are unaware of in your particular country, the client is to cover any additional cost, if incurred.

NZ Stirrers Limited “Terms and Conditions of Sale – Internationally” can be viewed and printed off at www.nzstirrers.com

* Approximate measurement.

** May not be insurable from some ports.



NZStirrers ULTIMATE 400 TORQUE CONVERTER

Table Chart	NZ100		Ultimate 400 Torque Converter	
Flow Rate (LPM)	Low Speed (Rpm)	High Speed (Rpm)	Low Speed (Rpm)	High Speed (Rpm)
380	15	31	4	7
360	14	29	3	7
340	14	27	3	7
320	13	26	3	6
300	12	24	3	6

Table Chart	NZ100		Ultimate 400 Torque Converter	
Flow Rate (Gpm)	Low Speed (Rpm)	High Speed (Rpm)	Low Speed (Rpm)	High Speed (Rpm)
100	15	31	4	7
95	14	29	3	7
90	14	27	3	7
85	13	26	3	6
79	12	24	3	6

Pressure (Bar)	Low Speed (Nm)	High Speed (Nm)	Low Speed (Nm)	High Speed (Nm)
250	98,860	49,430	415,210	207,605
230	90,951	45,475	381,994	190,997
210	83,042	41,521	348,777	174,388
190	75,133	37,567	315,560	157,780
170	67,225	33,612	282,343	141,172

Pressure (Psi)	Low Speed (Ft.Lbs)	High Speed (Ft.Lbs)	Low Speed (Ft.Lbs)	High Speed (Ft.Lbs)
3,650	72,915	36,457	306,243	153,121
3,350	67,082	33,541	281,744	140,872
3,050	61,249	30,624	257,244	128,622
2,750	55,415	27,708	232,745	116,372
2,450	49,582	24,791	208,245	104,123

CONTACT US

If you have any further questions,
please don't hesitate in contacting your
authorized dealer or NZ Stirrers Limited.

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Authorised  **NZ Stirrers** Dealer