



# NZStirrers

Custom Designed and Built Stirrers

# ULTIMATE 100 HYDRAULIC TORQUE CONVERTER

100 | 200 | 300 | 400 | 500 SERIES



# 100

**NEW**



# ULTIMATE 100 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 25,000Nm (18,440-ft-lbs) to 105,000Nm (77,444-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 100 TORQUE CONVERTER  
ATTACHMENT IS CONVENIENT AND  
COST EFFECTIVE FOR THOSE AWKWARD  
PROJECTS WITH LIMITED ACCESS**

## ULTIMATE 100 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 25,000Nm (18,440-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 100 Torque Converter.

Without the Ultimate 100 Torque Converter Attachment on, you can still drill holes up to 1.4 metres (4.59ft) in diameter (depending upon ground conditions and excluding rock).

If you are drilling large diameter foundation holes, we recommend using a 20 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 100 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 100 TORQUE CONVERTER

If your project requires some real power to screw in screw anchors, or for drilling holes up to 2.0 metres (6.56ft) in diameter, you can quickly and simply attach the Ultimate 100 Torque Converter, increasing torque straight to 105,000Nm (77,444-ft-lbs) – 2 speed, rotational torque. We do recommend when using the Ultimate 100 Torque Converter Attachment, using a short boom, 20 ton excavator (minimum) for “screw anchor work”.

The Ultimate 100 Torque Converter takes under five minutes to attach using three special bolts. No extra hydraulic hosing is needed either. The Ultimate 100 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 100 Torque Converter attachment, just an everyday excavator.



**THE ULTIMATE 100 TORQUE CONVERTER TAKES UNDER FIVE MINUTES TO ATTACH USING THREE SPECIAL BOLTS.**



25,000Nm  
(18,440-ft-lbs)

Ultimate 100  
Torque Converter  
105,000Nm  
(77,444-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 25,000Nm  
Converter to 105,000Nm

## 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 125,000Nm  
Converter to 525,000Nm



Developed in  
New Zealand  
and exported  
to the world.

## SPECIFICATIONS

### ULTIMATE 100 TORQUE CONVERTER ATTACHMENT

- » Main Drive motor – 25,000Nm (18,440-ft-lbs) Maximum Torque  
2-speed drive system
- » Pressure relief valve
- » Built-in “energy control relief valve”
- » Anti-kickback valve
- » Recommended excavator size 20 to 35 ton (short boom)  
For screw anchor work and large diameter holes.
- » Max pressure 240 bar @ 380 lpm or 3650 psi @ 100 gpm
- » Max flow 380 lpm @ 240 bar or 100 gpm @ 3650 psi
- » Main drive motor output shaft 100mm – square  
Changes with different models.
- » Ultimate 100 Torque Converter output shaft 150mm – 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  
2600kgs\*

With both attachments, changes with different models

Approximate overall length,  
2100mm 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](http://www.nzstirrers.com)

\* Approximate measurement.

\*\* May not be insurable from some ports.



# NZStirrers ULTIMATE 100 TORQUE CONVERTER

Table Chart	NZ25 STD		Ultimate 100 Torque Converter	
Flow Rate (LPM)	Low Speed (Rpm)	High Speed (Rpm)	Low Speed (Rpm)	High Speed (Rpm)
380				
360	Information still being processed		Information still being processed	
340				
320				
300				

Table Chart	NZ25 STD		Ultimate 100 Torque Converter	
Flow Rate (Gpm)	Low Speed (Rpm)	High Speed (Rpm)	Low Speed (Rpm)	High Speed (Rpm)
74				
69	Information still being processed		Information still being processed	
63				
58				
53				

Pressure (Bar)	Low Speed (Nm)	High Speed (Nm)	Low Speed (Nm)	High Speed (Nm)
250				
230	Information still being processed		Information still being processed	
210				
190				
170				

Pressure (Psi)	Low Speed (Ft.Lbs)	High Speed (Ft.Lbs)	Low Speed (Ft.Lbs)	High Speed (Ft.Lbs)
1,900				
1,600	Information still being processed		Information still being processed	
1,300				
1,000				
750				

## 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