SHIBUYA TS-162

Core Drilling Machine

There is no compromise!

A new standard for core drilling machine!

More durability with reduced weight.
More power from a downsized electric motor.
Less noise with increased cooling capacity.

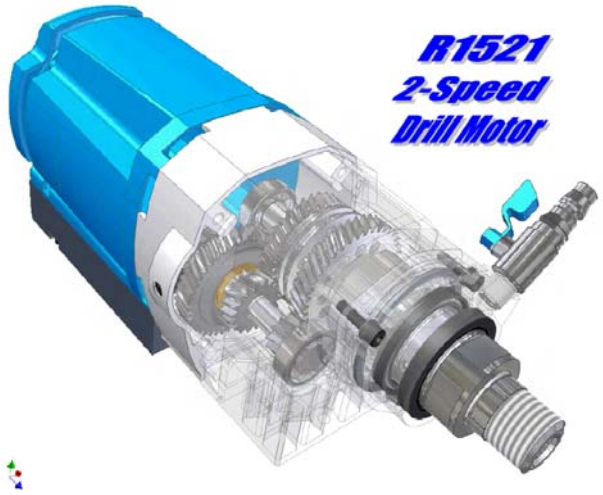
The keywords "NO COMPROMISE" believing that we can overcome the difficulties without sacrificing anything.

Specification

Model Code	TS-162
Height	803 mm
Base Size	146 x 205 mm
Available Stroke	548 mm
Weight	7.1Kg

Motor 2-Speed (Normal version)

Model Code	R1521			
Voltage	110-120V	110-120V	220-240V	220-240V
Rated Current	13A	←	6.5A	←
Rated Input	1500W	←	←	←
Spindle Thread	A-rod	UNC 1-1/4"	A-rod	UNC 1-1/4"
Spindle Rev at No Load	700/1000min-1	←	←	←
Spindle Rev at Rated Load	510/730min-1	←	←	←
Min. Applicable Range	Dia. 50mm	←	←	←
Max. Applicable Range	Dia.180mm	←	←	←
Weight (excl. Plug & Cable)	6.9Kg	←	←	←
PRCD	N/A	N/A	Option	Equipped



MORE POWER FROM A DOWNSIZED ELECTRIC MOTOR AND REDUCED ELECTRIC CONSUMPTION

Research has shown that surplus power is one of the solutions to ensuring the durability of the motor. For this class of drilling motor we set the maximum rated input as 1500W. This ensures the motor will operate efficiently on all site and domestic power supplies.

The concept of power is often misunderstood. It is often assumed that the value of rated input power is the actual power produced. But this is totally wrong. What is really important is the amount of torque at the spindle.

To get more spindle torque from a motor of limited electric capacity, both the friction and moments of inertia are created through the weight of the moving parts. In our new concept drill motors, the armature specifications have been reviewed thoroughly. The reduction in weight of the new cooling fan and gearwheels has raised the revolution speed of armature.

The new type of low viscosity lubricant also works to reduce the friction. The raised revolutions of the armature allow us to increase the reduction ratio. The new R1511 and R1521/R1522 motors produce a spindle torque of almost the same level as our previous M1718 motor at 1700W and exceeds the spindle torque of M1718 at the input of 1600W. Further durability is achieved by running a 1500W overload switch, using surplus power as a safety margin to extend the life of armature.