



Special precision cutting tools
Medical Instruments, Devices
Development
Design
Manufacturing



OMEGA DRILL

Bone surgical appliances

Slipping away was a thing of the past,
with OMEGA you are always spot on!

OMEGA DRILL

High precision drilling at its peak!

Precise positioning and boring in non-flat bone surfaces on the fly!

The sharp, spike-shaped tip reliably captures the surface of the bone, enabling precise drilling without bouncing or slippage even at a 30° angle.

Reduced cutting resistance offers stress free drilling

Equipped with a blade shape that reduces thrust force Omega Drill minimizes the stress felt by the operator during drilling.

Suppressed heat generation avoids osteoblast necrosis

When boring, the survival rate of osteoblasts is determined by temperature and time. Through thermal analysis the impact of heat generation whilst drilling in bone tissue has been minimized.

Reduces incidents of small fragments and microcracks when drilling to the utmost limit.

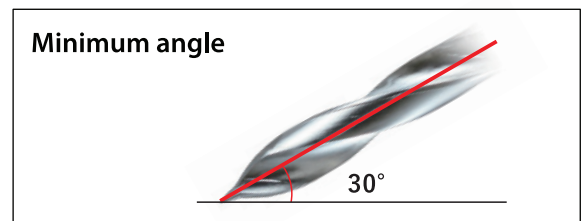
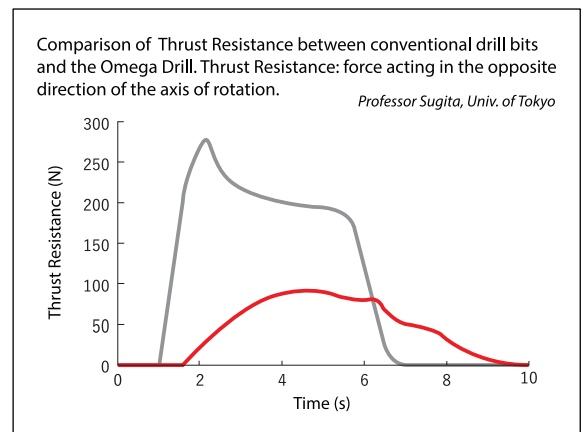
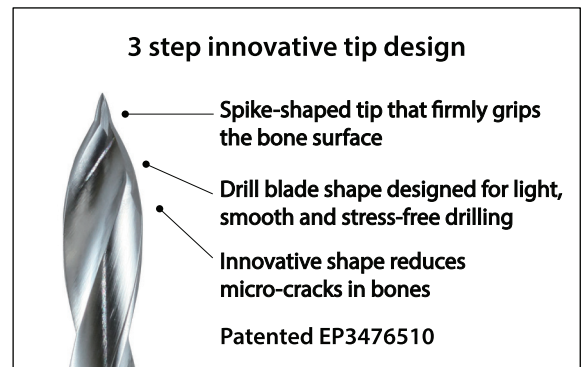
Chips, small fragments and microcracks generally occur around the peripheral region of a drilled hole. The unique shape of Omega Drill keeps these to a minimum.

Recommended usage and applications

Bone parts with large slopes and/or curved surfaces · Cortical bones of young patients · Distal phalanges and small bones in general · Cases requiring high precision in the angle and diameter of bone holes · Drilling distal locking screw holes for intramedullary nailing



Omega Drill dental (actual size)



Omega Drill Sizes

	Diameter	Effective length	Length	Chuck shapes
\varnothing	2.0	× 40	× 100	3-sided cut
\varnothing	2.5	× 40	× 250	3-sided cut
\varnothing	2.6	× 40	× 250	3-sided cut
\varnothing	2.8	× 40	× 250	3-sided cut
\varnothing	3.2	× 40	× 250	3-sided cut
\varnothing	3.5	× 40	× 250	3-sided cut
\varnothing	4.2	× 60	× 300	3-sided cut
\varnothing	4.3	× 60	× 300	3-sided cut

※ Special orders for different sizes / chuck shapes upon request.
 ※ This product is not meant for single usage. All products are reusable, please contact us to enquire about single-use (disposable) products.



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