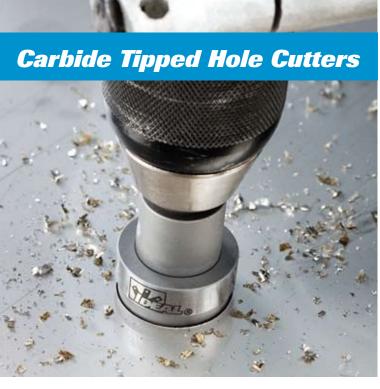






- SmoothStart™ pilot drill prevents carbide damage by gradually guiding cutter to material.
- Precision ground carbide teeth for fast cutting of clean, round holes.
- Designed specifically for sheet metal cutting, even stainless steel
- Over drill flange built in to prevent penetration beyond the sheet metal

The efficient and precise alternative to knockouts and hole saws for stainless steel and sheet metal



Quickly drills precise holes without penetration beyond sheet metal.

Carbide tips cut over 200 holes through — stainless steel, and outperform HSS cutters and bi-metal hole saws in sheet steel

Introducing the new TKO<sup>™</sup> carbide tipped hole cutters from IDEAL INDUSTRIES, INC. Carbide Razor cutters offer the most efficient and clean cutter replacement for traditional knockouts, by making smooth holes in a fraction of the time at a fraction of the cost. Specifically designed to cut sheet metal, Carbide Razor cutters will even cut stainless steel with fine grained, carbide tips. The innovative design includes the exclusive SmoothStart™ replaceable pilot drill, which guides the cutter to the surface, avoiding cutter damage and providing smoother holes. An integral overdrill flange prevents cutter penetration beyond the sheet metal. When it comes to quality, performance and durability, IDEAL is the professional's choice for carbide tipped hole cutters.

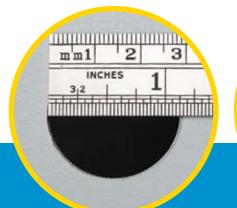


Integral arbor provides smoother, more accurate holes than hole saws or 2 piece carbide tipped cutters

> Integrated overdrill flange prevents penetration beyond the sheet metal

Ejection spring effortlessly ejects slug

Exclusive SmoothStart™ pilot drill guides cutter to surface providing smoother holes and avoiding cutter damage







**IDEAL TKO™** 

**Competitor** 

IDEAL provides smoother, more precise hole than competitors (holes cut with 1 1/8" cutters)



Integrated overdrill flange prevents penetration beyond the sheet metal.





Available in a full range of sizes from 1" to 21/2".

P/N	Hole Size (Inches)	Conduit and Pipe Size
36-300	3/4"	_
36-301	7/8"	1/2"
36-302	1″	_
36-303	1-1/8"	3/4"
36-304	1-1/4"	_
36-305	1-3/8"	1"
36-306	1-7/16"	_
36-307	1-1/2"	_
36-308	1-3/4"	1 1/4"
36-309	2"	1 1/2"
36-310	2-1/2"	_

# **SmoothStart**<sup>™</sup> **Replacement Pilot Drill**

Cat. No.	Description	
36-312	1 Pc. SmoothStart™ Replacement Pilot Drill	

Exclusive! SmoothStart™ pilot guides cutter to surface providing smoother holes and avoiding cutter damage.



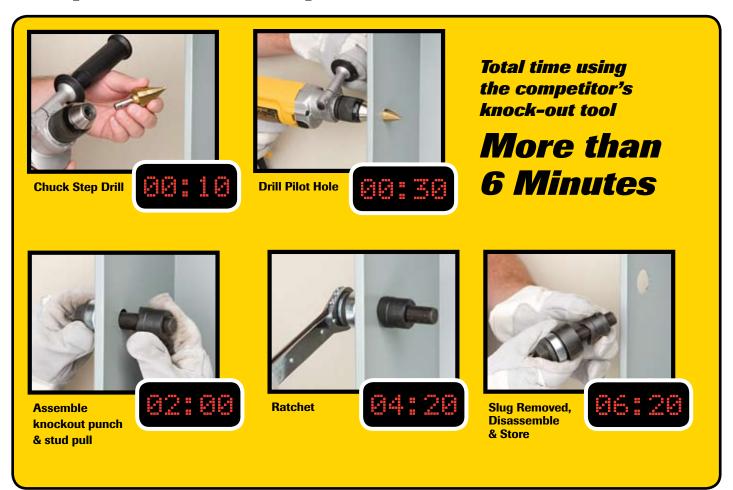




### Can Save Time...



## Compared to the Competitor...



#### **IDEAL INDUSTRIES, INC.**

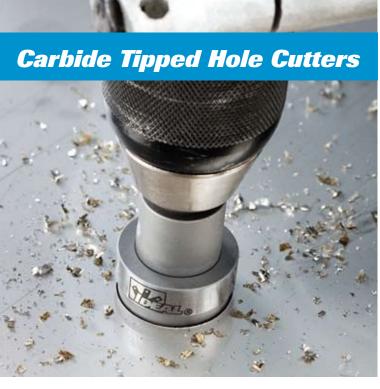






- SmoothStart™ pilot drill prevents carbide damage by gradually guiding cutter to material.
- Precision ground carbide teeth for fast cutting of clean, round holes.
- Designed specifically for sheet metal cutting, even stainless steel
- Over drill flange built in to prevent penetration beyond the sheet metal

The efficient and precise alternative to knockouts and hole saws for stainless steel and sheet metal



Quickly drills precise holes without penetration beyond sheet metal.

Carbide tips cut over 200 holes through — stainless steel, and outperform HSS cutters and bi-metal hole saws in sheet steel

Introducing the new TKO<sup>™</sup> carbide tipped hole cutters from IDEAL INDUSTRIES, INC. Carbide Razor cutters offer the most efficient and clean cutter replacement for traditional knockouts, by making smooth holes in a fraction of the time at a fraction of the cost. Specifically designed to cut sheet metal, Carbide Razor cutters will even cut stainless steel with fine grained, carbide tips. The innovative design includes the exclusive SmoothStart™ replaceable pilot drill, which guides the cutter to the surface, avoiding cutter damage and providing smoother holes. An integral overdrill flange prevents cutter penetration beyond the sheet metal. When it comes to quality, performance and durability, IDEAL is the professional's choice for carbide tipped hole cutters.

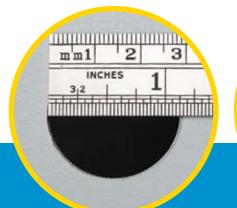


Integral arbor provides smoother, more accurate holes than hole saws or 2 piece carbide tipped cutters

> Integrated overdrill flange prevents penetration beyond the sheet metal

Ejection spring effortlessly ejects slug

Exclusive SmoothStart™ pilot drill guides cutter to surface providing smoother holes and avoiding cutter damage







**IDEAL TKO™** 

**Competitor** 

IDEAL provides smoother, more precise hole than competitors (holes cut with 1 1/8" cutters)



Integrated overdrill flange prevents penetration beyond the sheet metal.





Available in a full range of sizes from 1" to 21/2".

P/N	Hole Size (Inches)	Conduit and Pipe Size
36-300	3/4"	_
36-301	7/8"	1/2"
36-302	1″	_
36-303	1-1/8"	3/4"
36-304	1-1/4"	_
36-305	1-3/8"	1"
36-306	1-7/16"	_
36-307	1-1/2"	_
36-308	1-3/4"	1 1/4"
36-309	2"	1 1/2"
36-310	2-1/2"	_

# **SmoothStart**<sup>™</sup> **Replacement Pilot Drill**

Cat. No.	Description	
36-312	1 Pc. SmoothStart™ Replacement Pilot Drill	

Exclusive! SmoothStart™ pilot guides cutter to surface providing smoother holes and avoiding cutter damage.



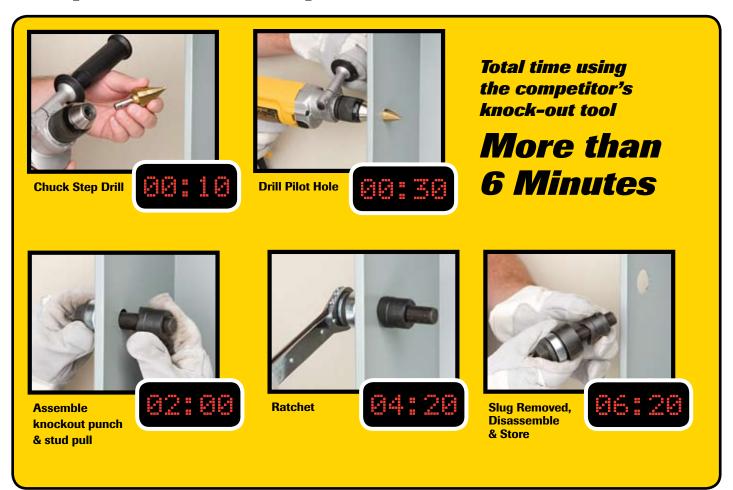




### Can Save Time...



## Compared to the Competitor...



#### **IDEAL INDUSTRIES, INC.**