

SUPER COBALT - WELD OUT™ CARBIDE SPOT WELD DRILLS

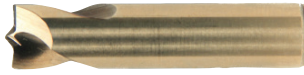
Carbide ALTiN

Specialty Tools - Spotweld Drills

Type 186

Weldout™ Spot weld Super Cobalt HSS Gold Finish - Heavy-Duty Spur Point

- This rugged high performance drill is designed to effectively cut auto body panel spot welds.



High red hardness of cobalt steel permits speeds 30% greater than HSS drill.

Part No.	Diameter MM	Approx. Spotweld Size, Inches	OAL Inches	Flat Length Inches	Qty. per/pack
66420	6.5mm	1/4	1.56	.44	5
37240	6.5mm	1/4	1.49	.44	5
37520	6.5mm	1/4	1.75	none	5
37660	6.5mm TE*	1/4	3.62	none	5
66430	8.0mm	5/16	1.56	.44	5
37250	8.0mm	5/16	1.49	.44	5
37510	8.0mm	5/16	1.69	.75	5
37470	8.0mm	5/16	1.75	none	5
37670	8.0mm TE*	5/16	3.62	none	5
37530	10.0mm	3/8	1.75	none	5
37680	10.0mm TE*	3/8	3.62	none	5

The spur point on the **Type 186** is designed to cut through the weld on one panel while leaving the second panel free of holes.

Type 187

Weldout™ Spotweld Super Cobalt HSS Gold Finish - Heavy-Duty Spur Point

- This rugged high performance drill is designed to effectively cut auto body panel spot welds.



Our Super Cobalt HSS contains 8% cobalt.

Part No.	Diameter MM	Approx. Spotweld Size, Inches	OAL Inches	Flat Length Inches	Qty. per/pack
66180	8.0	5/16"	2.25	none	5
66190	10.00	3/8"	2.25	none	5
37671	8.0 TE*	5/16"	3.62	none	5
37681	10 TE	3/8"	3.62	none	5

The modified point on the **Type 187** drill is chip resistant with slightly greater penetration into the second panel.

Weldout™ Spot weld Drills Sets

- Cobalt steel is substantially more abrasion resistant, resulting in long wear cutting edges.



TYPE 186 WO-6 SET

Part No.	Description of Sizes
35010	6.5mm, 8.0mm & 10.0mm Single-end drills with 1.75" length
	6.5mm, 8.0mm & 10.0mm Twin end drills with 3.62" length

TYPE 187 WO-4 SET

Part No.	Description of Sizes
35050	8.0mm & 10mm Single-end
	8.0mm & 10mm Twin-end In Type 187 Length

Type 187-B

Carbide Aluminium Titanium Nitride Spot weld Drills

- Designed to cut spot welds from Boron Steel
- Use in high temperature operations and difficult to machine materials.
- ALTiN coating improves lubricity, eliminating lubrication requirements.

1-3/4" to 2-1/4" OAL - Recommended (900 RPM - 1,000 RPM)



Carbide ALTiN offers higher temperature resistance.

3" OAL with Round - Recommended (900 RPM - 1,000 RPM)



Carbide ALTiN typically last 3 to 10 times longer than uncoated tools. Created for abrasive and high temperature applications (> 800°C).

TYPE 187-B

Part No.	Diameter MM	Approx Spot weld Size, Inches	OAL Inches	Flat Length Inches	Qty. per/pack
85910	6.7	17/64"	3"	NONE	1
85890	8.0	5/16	2"	NONE	1
85900	10.0	3/8	2-1/4"	NONE	1

TYPE 187-B WITH FLAT

Part No.	Diameter MM	Approx Spotweld Size, Inches	OAL Inches	Flat Length Inches	Qty. per/pack
85920	6.7	17/64"	1-3/4"	.750	1
85880	8.0	5/16	1-3/4"	.750	1

Type 187-DN

Titanium Nitride Weldout™ Spot weld Drills Cobalt HSS - Heavy-Duty Spur Point

- Titanium nitride coated M42 cobalt steel spot weld drills are designed for use in high strength high alloy steel commonly used in the automobile industry.
- Titanium nitride coating doubles the tool life, gives additional lubricity and protects the cutting edges of the drill in tough removal applications.
- Titanium nitride drills require a slower speed (490 RPM) when drilling difficult materials.



Heavy-Duty Spur Point

Designed for use in high strength high alloy steel commonly used in the automobile industry.

Part No.	Diameter MM	Approx Spotweld Size, Inches	AOL Inches	Flat Length Inches	Qty. per/pack
73450	8.0	5/16"	2.25	none	1
73460	10.00	3/8"	2.25	none	1
73470	8.0 TE*	5/16"	3.62	none	1
73480	10 TE	3/8"	3.62	none	1