

# EMUGE NC Spot Drills Promotion

**SAVE 10% NOW!**

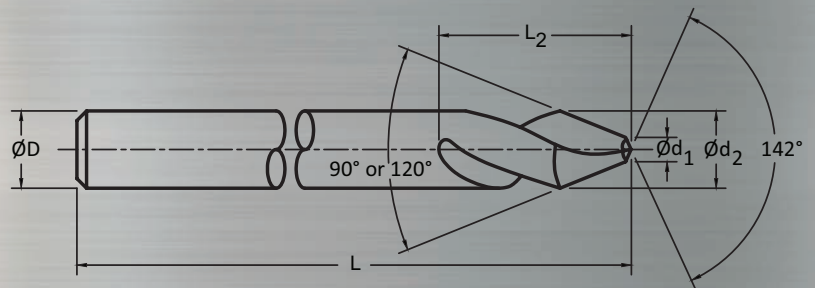
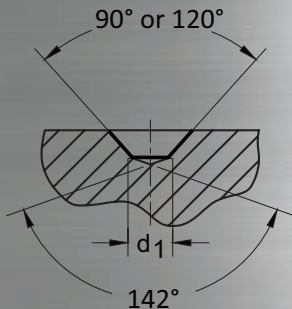
**NEW**

## EMUGE 90° and 120° CARBIDE NC SPOT DRILLS

Typically used to create a center spot for a more accurate, finished hole.

Emuge spot/chamfer drills are designed with a double angle that allows easy drill starts and perfect 90° or 120° chamfer angles. Extensive testing has shown superior cutting action at the tip angle with a 142° angle, which is well suited for a wide range of materials. This double angle eliminates tip breakage that is sometimes associated with 90° or 120° spot drills.

- Double tip angle with short chisel edge reduces axial force requirement
- 142° entry point angle creates better chip flow
- Secondary 90° or 120° angle creates desired chamfer

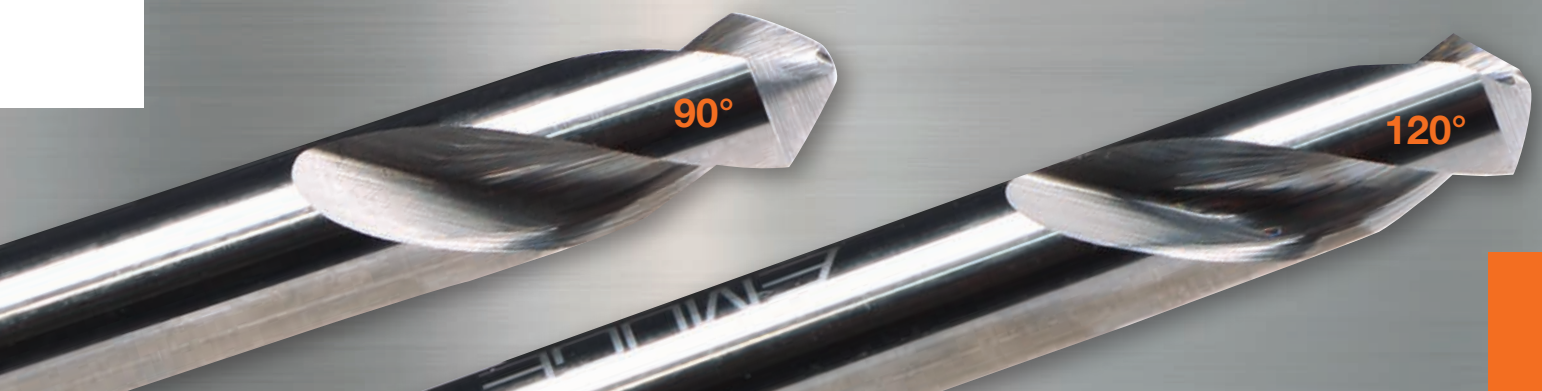


### 90°/142° NC Spot/Chamfer Drill - Bright Finish

Dia. (d2) (in)	Dia. (d1) (in)	OAL (L) (in)	Flute (L2) (in)	EDP No.	List Price	Sale Price
1/8	0.034	2.00	0.75	EFUT3100.0317	\$25.20	<b>\$22.68</b>
1/4	0.068	2.50	0.75	EFUT3100.0635	\$49.72	<b>\$44.75</b>
3/8	0.101	3.00	1.00	EFUT3100.0952	\$82.29	<b>\$74.06</b>
1/2	0.135	3.00	1.00	EFUT3100.1270	\$142.03	<b>\$127.82</b>
5/8	0.169	4.00	1.25	EFUT3100.1587	\$168.00	<b>\$151.20</b>
3/4	0.203	4.00	1.75	EFUT3100.1905	\$300.00	<b>\$270.00</b>

### 120°/142° NC Spot/Chamfer Drill - Bright Finish

Dia. (d2) (in)	Dia. (d1) (in)	OAL (L) (in)	Flute (L2) (in)	EDP No.	List Price	Sale Price
1/8	0.029	2.00	0.75	EFUT3200.0317	\$25.20	<b>\$22.68</b>
1/4	0.059	2.50	0.75	EFUT3200.0635	\$49.72	<b>\$44.75</b>
3/8	0.089	3.00	1.00	EFUT3200.0952	\$82.29	<b>\$74.06</b>
1/2	0.118	3.00	1.00	EFUT3200.1270	\$142.03	<b>\$127.82</b>
5/8	0.148	4.00	1.25	EFUT3200.1587	\$168.00	<b>\$151.20</b>
3/4	0.177	4.00	1.75	EFUT3200.1905	\$300.00	<b>\$270.00</b>



# EMUGE NC Spot Drills Promotion

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**NEW**

## EMUGE 142° NC SPOT DRILLS

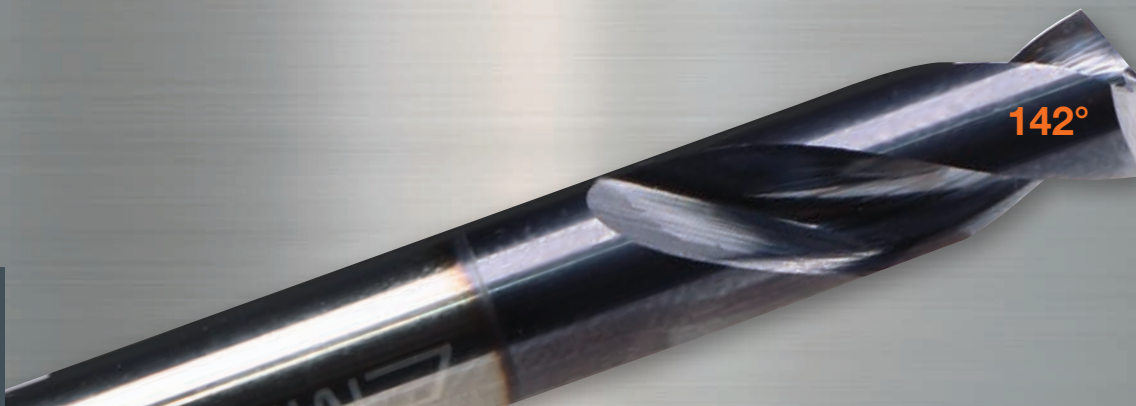
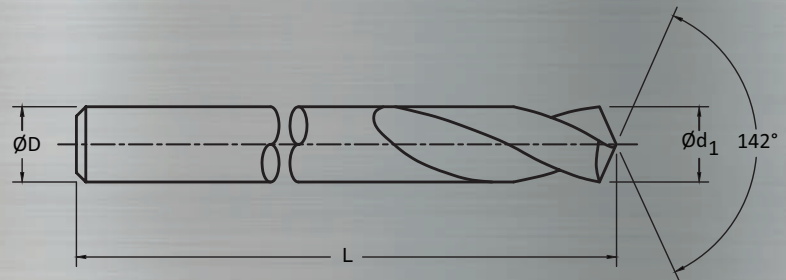
NC spot drills are used to guide the secondary drill for a more accurate finished hole location.

Emuge spot drills are designed to create a precision spot location for a 135° or 140° point angle carbide drill. These tools are TiAlN-T14 coated for additional heat and wear resistance.

- Single angle 142° point design
- Pre-drill for 135° or 140° point carbide drill
- Premium sub-micro grain carbide substrate
- Tightly held point dimension tolerances
- Cylindrical shanks are ground to h6 tolerances
- PVD applied TiAlN-T14 coating for heat and wear resistance

142° NC Spot Drill - TiAlN-T14 Coated

Dia. (in)	OAL (L) (in)	Flute (in)	EDP No.	List Price	Sale Price
1/8	2.00	0.75	EFUT3300.0317	\$27.72	<b>\$24.95</b>
1/4	2.50	0.75	EFUT3300.0635	\$54.69	<b>\$49.22</b>
3/8	3.00	1.00	EFUT3300.0952	\$90.52	<b>\$81.47</b>
1/2	3.00	1.00	EFUT3300.1270	\$156.24	<b>\$140.62</b>
5/8	4.00	1.25	EFUT3300.1587	\$184.80	<b>\$166.32</b>
3/4	4.00	1.75	EFUT3300.1905	\$330.00	<b>\$297.00</b>



# Valcarb

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