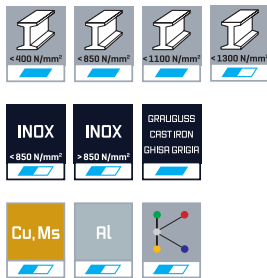


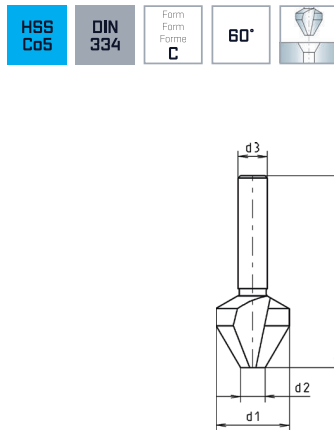
**D** Kegelsenker  
DIN 334 C, 60°

**Einsatzbereich:**  
Für alle E- und NE-Metalle, Kunststoffe hart und weich. Universell einsetzbares Entgrat- und Senkwerkzeug für Bohrungen aller Art. Sehr gute Schneideigenschaften, durch radialen Hinterschliff leicht nachschärfbar an der Spanfläche.



**E** Countersinks  
DIN 334 C, 60°

**Range of application:**  
For ferrous and non-ferrous metals, synthetic materials soft and hard. Universal deburring and sink tool for all kind of borings. Excellent cutting features guarantee a smooth surface; profile relief facilitates an easy regrind.



**I** Svasatori  
DIN 334 C, 60°

**Impiego:**  
Adatti per tutti i materiali ferrosi, non ferrosi, plastiche dure e dolci, per sbavature e svasature di tutti i tipi di fori. Ottime proprietà di taglio, mentre la spoglia radiale permette una facile riaffilatura.



d1 mm	d2 mm	d3 h9 mm	l1 mm	Z	Code 2280 Art.-Nr.
6,30	1,60	5,00	45	3	0 2280006301 00
8,00	2,00	6,00	50	3	0 2280008001 00
12,50	3,20	8,00	56	3	0 2280012501 00
16,00	4,00	10,00	63	3	0 2280016001 00
20,00	5,00	10,00	67	3	0 2280020001 00
25,00	6,30	10,00	71	3	0 2280025001 00

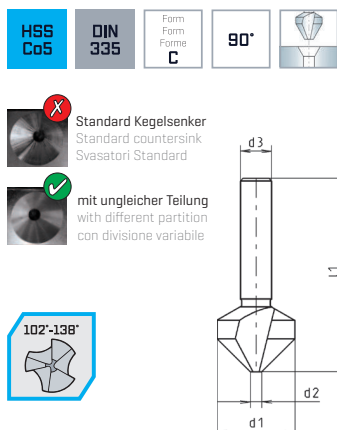
**D** HSS Cobalt-Kegelsenker  
ungleiche Teilung  
DIN 335 C, 90°

**Einsatzbereich:**  
Für alle E- und NE-Metalle, Kunststoffe hart und weich. Universell einsetzbares Entgrat- und Senkwerkzeug für Bohrungen aller Art. Sehr gute Schneideigenschaften durch ungleichgeteilte Schneiden. Verringerung der Vorschubkraft und Ratterbildung an der Senkoberfläche durch reduzierte Axial- und Radialkraft.



**E** HSS Cobalt countersinks  
different partition  
DIN 335 C, 90°

**Range of application:**  
For ferrous and non-ferrous metals, synthetic materials soft and hard. Universal deburring and sink tool for all kind of borings. Excellent cutting features guarantee a smooth surface by unequally divided cutting edges. Reduction of feed force and chatter marks on the countersinking surface due to reduced axial and radial force.




**I** Svasatori HSS Cobalt  
disuguale tagliente  
DIN 335 C, 90°

**Impiego:**  
Adatti per tutti i materiali ferrosi, non ferrosi, plastiche dure e dolci, per sbavature e svasature di tutti i tipi di fori. Perfette proprietà di taglio, a causa di disuguale tagliente. Riduzione della forza di alimentazione e vibrazioni sulla superficie di affondamento grazie alla ridotta forza assiale e radiale.



ALUNIT®

d1 mm		d2 mm	d3 <sub>h9</sub> mm	l1 mm	Z	Code 2390 Art.-Nr.	Code 2397 Art.-Nr.
6,30	M3	1,50	5,00	45	3	0 2390006301 00	0 2397006301 00
<b>New</b> 8,30	M4	2,00	6,00	50	3	0 2390008301 00	0 2397008301 00
10,40	M5	2,50	6,00	50	3	0 2390010401 00	0 2397010401 00
12,40	M6	2,80	8,00	56	3	0 2390012401 00	0 2397012401 00
16,50	M8	3,20	10,00	60	3	0 2390016501 00	0 2397016501 00
20,50	M10	3,50	10,00	63	3	0 2390020501 00	0 2397020501 00
25,00	M12	3,80	10,00	67	3	0 2390025001 00	0 2397025001 00
31,00		4,20	12,00	71	3	0 2390031001 00	0 2397031001 00

**D** HSS Cobalt-Kegelsenker  
3-Flächenschaft,  
ungleiche Teilung,  
DIN 335 C, 90°

Einsatzbereich:

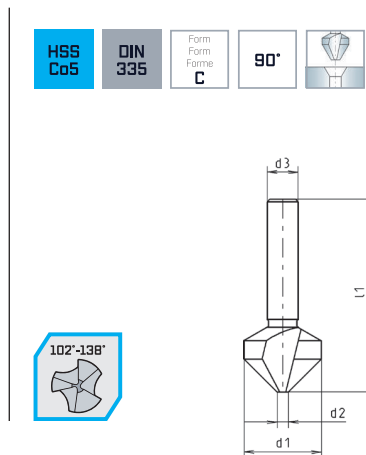
Für alle E- und NE-Metalle, Kunststoffe hart und weich. Universell einsetzbares Entgrat- und Senkwerkzeug für Bohrungen aller Art. Sehr gute Schneideigenschaften durch ungleichgeteilte Schneiden. Verringerung der Vorschubkraft und Ratterbildung an der Senkoberfläche durch reduzierte Axial- und Radialkraft.



**E** HSS Cobalt countersinks  
3-surface shank,  
different partition,  
DIN 335 C, 90°

Range of application:

For ferrous and non-ferrous metals, synthetic materials soft and hard. Universal deburring and sink tool for all kind of borings. Excellent cutting features guarantee a smooth surface by unequally divided cutting edges. Reduction of feed force and chatter marks on the countersinking surface due to reduced axial and radial force.




**I** Svasatori HSS Cobalt  
Codolo a 3 superfici  
disuguale tagliente  
DIN 335 C, 90°

Impiego:

Adatti per tutti i materiali ferrosi, non ferrosi, plastiche dure e dolci, per sbavature e svasature di tutti i tipi di fori. Perfette proprietà di taglio, a causa di disuguale tagliente. Riduzione della forza di alimentazione e vibrazioni sulla superficie di affondamento grazie alla ridotta forza assiale e radiale.



ALUNIT®

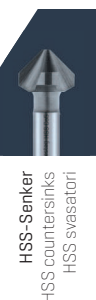
d1 mm		d2 mm	d3 <sub>h9</sub> mm	l1 mm	Z	Code 2380 Art.-Nr.	Code 2387 Art.-Nr.
6,30	M3	1,50	5,00	45	3	0 2380006301 00	0 2387006301 00
8,30	M4	2,00	6,00	50	3	0 2380008301 00	0 2387008301 00
10,40	M5	2,50	6,00	50	3	0 2380010401 00	0 2387010401 00
12,40	M6	2,80	8,00	56	3	0 2380012401 00	0 2387012401 00
16,50	M8	3,20	10,00	60	3	0 2380016501 00	0 2387016501 00
20,50	M10	3,50	10,00	63	3	0 2380020501 00	0 2387020501 00
25,00	M12	3,80	10,00	67	3	0 2380025001 00	0 2387025001 00
31,00		4,20	12,00	71	3	0 2380031001 00	0 2387031001 00



Standard Kegelsenker  
Standard countersink  
Svasatori Standard



mit ungleicher Teilung  
with different partition  
con divisione variabile



HSS-Senker  
HSS countersinks  
HSS svasatori