

# Allargatori ■ Svasatori

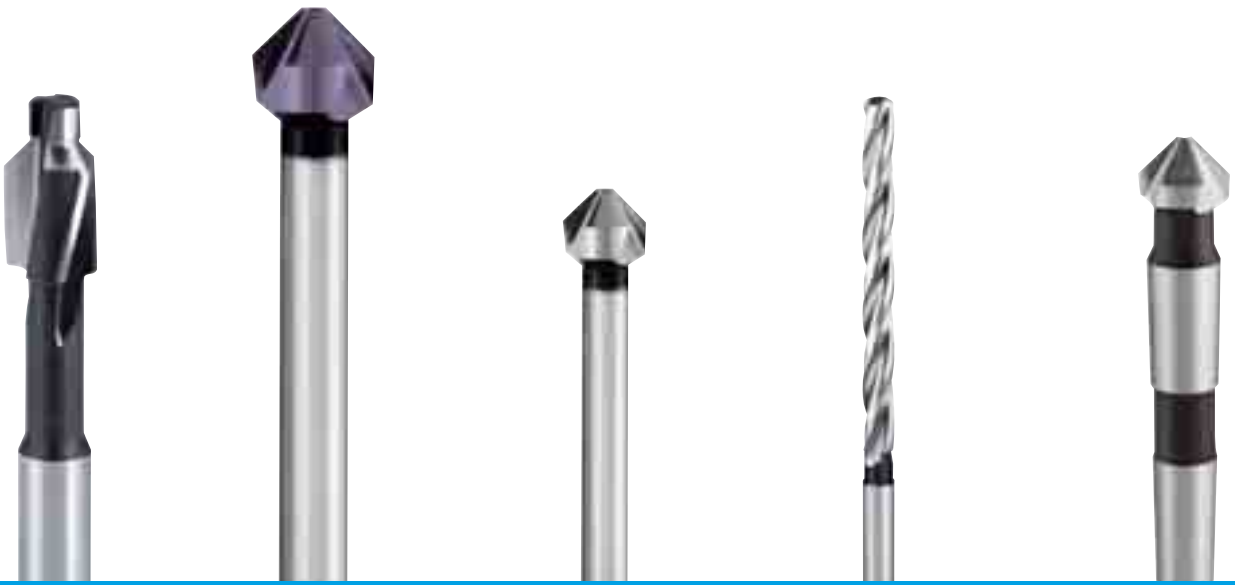
ALIX  
PRECISION



Core Drills ■ Countersinks



ALIX<sup>®</sup>  
PRECISION





### ► **Legenda**

Key to symbols

#### MATERIALI / TOOL MATERIAL



**HSS**



**VHM**

Metallo duro / Micrograna  
Solid carbide / Micro grain

#### RIVESTIMENTI / COATING



**TN**

TiN



**TF**

TiAlN  
Futura






► **Guida alla selezione utensile**  
Tool selection guide









## ALLARGATORI / CORE DRILLS

CODICE ITEM	LUNGHEZZA LENGTH	DIN	Ø mm	TOLLERANZA TOLERANCE	ANGOLO DI TESTA POINT ANGLE	CODOLO SHANK	LUBRIFICAZIONE INTERNA INTERNAL COOLANT
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## ALLARGATORI / Core Drills

<b>6253</b> 		<b>344</b>	4,8 ÷ 16,0	h8	-		-
<b>6251</b> 		<b>343</b>	7,8 ÷ 50,0	h8			-
<b>6255</b> 		<b>222</b>	27,7 ÷ 100,0	h8		-	-

## ALLARGATORI / Core Drills ■ per sede viti 180° / Counterbores with solid

<b>6260</b> 	<b>Per preforo</b> For tap drill	<b>373</b>	M2 ÷ M12	z9			-
<b>6261</b> 	<b>Per foro passante fine</b> For through hole fine	<b>373</b>	M2 ÷ M12	z9			-
<b>6262</b> 	<b>Per preforo</b> For tap drill	<b>373</b>	M2 ÷ M12	z9			-

## ALLARGATORI / Core Drills ■ per sede viti 90° / Counterbores with solid

<b>6263</b> 	<b>Per preforo</b> For tap drill	<b>1866</b>	M2 ÷ M10	z9			-
<b>6264</b> 	<b>Per foro passante fine</b> For through hole fine	<b>1866</b>	M2 ÷ M10	z9			-
<b>6265</b> 	<b>Per preforo</b> For tap drill	<b>1866</b>	M2 ÷ M10	z9			-



## ALLARGATORI / CORE DRILLS

RIVESTIMENTO  
COATING

ROTAZIONE  
CUTTING DIRECT.

MATERIALE  
UTENSILE  
TOOL MATERIAL

P

M

K

N

S

H

Pagina  
Page



HSS

●

●

●

●

-

-

640



HSS

●

●

●

●

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-

641



HSS

●

●

●

●

-

-

643

pilot 180°



HSS

●

●

●

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644



HSS

●

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-

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644



HSS

●

●

●

●

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644

pilot 90°



HSS

●

●

●

●

-

-

645



HSS

●

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645



HSS

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-

645



SVASATORI / COUNTERSINKS

CODICE ITEM	LUNGHEZZA LENGTH	DIN	Ø mm	TOLLERANZA TOLERANCE	ANGOLO DI TESTA POINT ANGLE	CODOLO SHANK	LUBRIFICAZIONE INTERNA INTERNAL COOLANT
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**SVASATORI 90° VHM / Countersinks 90° VHM**

<b>6275</b> 		<b>335C</b>	6,0 ÷ 31,0	-			-
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**SVASATORI 90° HSS / Countersinks 90° HSS**

<b>6277</b> 		<b>335C</b>	4,3 ÷ 30,0	-			-
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<b>6927</b> 	<b>Assortimento in cassetta metallica sets in metal cases</b>	<b>335C</b>	6,0 ÷ 20,5	-			-
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<b>6279</b> 		<b>335D</b>	15,0 ÷ 80,0	-			-
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**SVASATORI 60° HSS / Countersinks 60° HSS**

<b>6276</b> 		<b>334C</b>	6,3 ÷ 25,0	-			-
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<b>6278</b> 		<b>334D</b>	16,0 ÷ 80,0	-			-
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## SVASATORI / COUNTERSINKS

RIVESTIMENTO  
COATING

ROTAZIONE  
CUTTING DIRECT.

MATERIALE  
UTENSILE  
TOOL MATERIAL

P

M

K

N

S

H

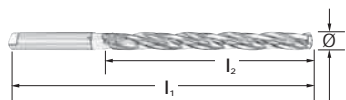
Pagina  
Page

RIVESTIMENTO COATING	ROTAZIONE CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
TF		MDI	●	●	●	●	○	○	648
TN TF		HSS	●	●	●	●	-	-	649
-		HSS	●	●	●	●	-	-	650
-		HSS	●	●	●	●	-	-	651
TN		HSS	●	●	●	●	-	-	646
-		HSS	●	●	●	●	-	-	647



## Allargatori a 3 taglienti conattacco cilindrico, in HSS

Core drills with 3 flutes and straight shank  
made of HSS



Tipo / Type				N
Esecuzione elicà Cutting direction				
Materiale / Material				HSS
Ø mm h8	l <sub>1</sub> mm	l <sub>2</sub> mm	Ø minimo preforo Min. hole size	6253
4,80	108	74	3,5	●
5,00	108	74	3,5	●
5,80	116	80	4,2	●
6,00	116	80	4,2	●
6,80	133	93	4,9	●
7,00	133	93	4,9	●
7,80	142	100	5,6	●
8,00	142	100	5,6	●
8,80	151	107	6,3	●
9,00	151	107	6,3	●
9,80	162	116	7,0	●
10,00	162	116	7,0	●
10,75	173	125	7,7	●
11,00	173	125	7,7	●
11,75	173	125	8,4	●
12,00	184	134	8,4	●
12,75	184	134	9,1	●
13,00	184	134	9,1	●
13,75	194	142	9,8	●
14,00	194	142	9,8	●
14,75	202	147	10,5	●
15,00	202	147	10,5	●
15,75	211	153	11,2	●
16,00	211	153	11,2	●



Tipo / Type				N
Esecuzione elicà Cutting direction				
Materiale / Material				HSS
Ø mm h8	l <sub>1</sub> mm	l <sub>2</sub> mm	Ø minimo preforo Min. hole size	6253

Per misure oltre i 16 mm Ø ed intermedie prezzi a richiesta - Deviating sizes and sizes > 16 mm Ø upon request

● Utensile disponibile a magazzino / Items available ex stock



# DIN 343



## Allargatori a 3 taglienti con attacco conico, in HSS

Core drills with 3 flutes and straight shank made of HSS



Tipo / Type					N
Esecuzione elica Cutting direction					
Materiale / Material					HSS
Ø mm h8	L <sub>1</sub> mm	L <sub>2</sub> mm	Ø minimo preforo Min. hole size	CM MT	6251
7,80	156	75	5,6	1	●
8,00	156	75	5,6	1	●
8,80	162	81	6,3	1	●
9,00	162	81	6,3	1	●
9,80	168	87	7,0	1	●
10,00	168	87	7,0	1	●
10,75	175	94	7,7	1	●
11,00	175	94	7,7	1	●
11,75	175	94	8,4	1	●
12,00	182	101	8,4	1	●
12,75	182	101	9,1	1	●
13,00	182	101	9,1	1	●
13,75	189	108	9,8	1	●
14,00	189	108	9,8	1	●
14,75	212	114	10,5	2	●
15,00	212	114	10,5	2	●
15,75	218	120	11,2	2	●
16,00	218	120	11,2	2	●
16,75	223	125	11,9	2	●
17,00	223	125	11,9	2	●
17,75	228	130	12,6	2	●
18,00	228	130	12,6	2	●
18,70	233	135	13,3	2	●
19,00	233	135	13,3	2	●
19,70	238	140	14,0	2	●
20,00	238	140	14,0	2	●
20,70	243	145	14,6	2	●
21,00	243	145	14,6	2	●
21,70	248	150	15,3	2	●
22,00	248	150	15,3	2	●
22,70	253	155	16,0	2	●
23,00	253	155	16,0	2	●
23,70	281	160	16,6	3	●
24,00	281	160	16,6	3	●
24,70	281	160	17,3	3	●
25,00	281	160	17,3	3	●
25,70	286	165	18,0	3	●
26,00	286	165	18,0	3	●
26,70	291	170	18,6	3	●
27,00	291	170	18,6	3	●

Tipo / Type					N
Esecuzione elica Cutting direction					
Materiale / Material					HSS
Ø mm h8	L <sub>1</sub> mm	L <sub>2</sub> mm	Ø minimo preforo Min. hole size	CM MT	6251
27,70	291	170	19,3	3	●
28,00	291	170	19,3	3	●
28,70	296	175	20,0	3	●
29,00	296	175	20,0	3	●
29,70	296	175	20,5	3	●
30,00	296	175	20,5	3	●
30,60	301	180	21,0	3	●
31,00	301	180	21,0	3	●
31,60	306	185	22,0	3	●
32,00	334	185	22,0	4	●
32,60	334	185	23,0	4	●
33,00	334	185	23,0	4	●
33,60	339	190	24,0	4	●
34,00	339	190	24,0	4	●
34,60	339	190	25,0	4	●
35,00	339	190	25,0	4	●
35,60	344	195	25,5	4	●
36,00	344	195	25,5	4	●
36,60	344	195	26,0	4	●
37,00	344	195	26,0	4	●
37,60	349	200	26,5	4	●
38,00	349	200	26,5	4	●
38,60	349	200	27,0	4	●
39,00	349	200	27,0	4	●
39,60	349	200	28,0	4	●
40,00	349	200	28,0	4	●
40,60	354	205	28,5	4	●
41,00	354	205	28,5	4	●
41,60	354	205	29,0	4	●
42,00	354	205	29,0	4	●
42,60	359	210	30,0	4	●
43,00	359	210	30,0	4	●
43,60	359	210	30,5	4	●
44,00	359	210	30,5	4	●
44,60	359	210	31,0	4	●
45,00	359	210	31,0	4	●
45,60	364	215	32,0	4	●
46,00	364	215	32,0	4	●
46,60	364	215	32,5	4	●
47,00	364	215	32,5	4	●

Per misure intermedie prezzi a richiesta / Deviating sizes prices upon request

● Utensile disponibile a magazzino / Items available ex stock



## Allargatori a 3 taglienti con attacco conico, in HSS

Core drills with 3 flutes and straight shank made of HSS



Tipo / Type					N
Esecuzione elica Cutting direction					
Materiale / Material					HSS
Ø mm h8	l <sub>1</sub> mm	l <sub>2</sub> mm	Ø minimo preforo Min. hole size	CM MT	6251
47,60	369	220	33,0	4	●
48,00	369	220	33,0	4	●
48,60	369	220	34,0	4	●
49,00	369	220	34,0	4	●
49,60	369	220	34,5	4	●
50,00	369	220	34,5	4	●

Tipo / Type					N
Esecuzione elica Cutting direction					
Materiale / Material					HSS
Ø mm h8	l <sub>1</sub> mm	l <sub>2</sub> mm	Ø minimo preforo Min. hole size	CM MT	6251

Per misure intermedie prezzi a richiesta / Deviating sizes prices upon request  
 ● Utensile disponibile a magazzino / Items available ex stock



## Allargatori a manicotto in HSS Foro d'attacco - conicità 1:30

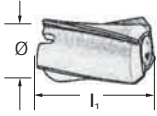
Shell core drills, made of HSS with taper bore 1 : 30

fino a  $\varnothing$  75,00 mm: **4 Taglienti**

until  $\varnothing$  75,00 mm: **4 flutes**

oltre  $\varnothing$  75,00 mm: **6 Taglienti**

above  $\varnothing$  75,00 mm: **6 flutes**



Tipo / Type				N
Esecuzione elica Cutting direction				
Materiale / Material				HSS
$\varnothing$ mm h8	$\varnothing$ nominale del foro d'attacco Taper bore large end	$L_1$ mm	$\varnothing$ minimo preforo Min. hole size	6255
23,7	13	45	20	✓
24,0	13	45	20	✓
24,7	13	45	21	✓
25,0	13	45	21	✓
25,7	13	45	22	✓
26,0	13	45	22	✓
26,7	13	45	23	✓
27,0	13	45	23	✓
27,7	13	45	24	✓
28,0	13	45	24	✓
29,7	13	45	26	✓
30,0	13	45	26	✓
31,6	13	45	28	✓
32,0	13	45	28	✓
32,6	13	45	29	✓
33,0	13	45	29	✓
33,6	13	45	30	✓
34,0	13	45	30	✓
34,6	13	45	31	✓
35,0	13	45	31	✓
35,6	16	50	32	✓
36,0	16	50	32	✓
36,6	16	50	33	✓
37,0	16	50	33	✓
37,6	16	50	34	✓
38,0	16	50	34	✓
39,6	16	50	36	✓
40,0	16	50	36	✓
41,6	16	50	38	✓
42,0	16	50	38	✓
43,6	16	50	40	✓
44,0	16	50	40	✓
44,6	16	50	41	✓
45,0	16	50	41	✓
45,6	19	56	41	✓
46,0	19	56	41	✓
46,6	19	56	41	✓
47,0	19	56	41	✓
47,6	19	56	42	✓
48,0	19	56	42	✓

Tipo / Type				N
Esecuzione elica Cutting direction				
Materiale / Material				HSS
$\varnothing$ mm h8	$\varnothing$ nominale del foro d'attacco Taper bore large end	$L_1$ mm	$\varnothing$ minimo preforo Min. hole size	6255
49,6	19	56	44	✓
50,0	19	56	44	✓
51,5	19	56	46	✓
52,0	19	56	46	✓
54,5	22	63	48	✓
55,0	22	63	48	✓
57,5	22	63	51	✓
58,0	22	63	51	✓
60,0	22	63	53	✓
62,0	22	63	55	✓
65,0	27	71	56	✓
68,0	27	71	58	✓
70,0	27	71	61	✓
72,0	27	71	63	✓
75,0	27	71	66	✓
78,0	32	80	68	✓
80,0	32	80	70	✓
82,0	32	80	72	✓
85,0	32	80	75	✓
88,0	32	80	78	✓
90,0	32	80	80	✓
92,0	40	90	80	✓
95,0	40	90	83	✓
98,0	40	90	86	✓
100,0	40	90	88	✓

Per misure intermedie prezzi a richiesta / Deviating sizes prices upon request  
 ● Utensile disponibile a magazzino / Items available ex stock - ✓ Su richiesta/ Upon request

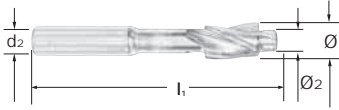
### Allargatori per sede viti 180°

Counterbores with solid pilot 180°

6260 Per preforo / For tap drill

6261 Per foro passante fine / for through hole fine

6262 Per foro passante medio / for through hole middle



Tipo / Type							180°	180°	180°
Esecuzione elica Cutting direction									
Materiale / Material							HSS	HSS	HSS
per vite For thread	l <sub>1</sub> mm	Ø z9	Ø <sub>2</sub> e8 6260	Ø <sub>2</sub> e8 6261	Ø <sub>2</sub> e8 6262	d <sub>2</sub> h9	6260	6261	6262
M 2	56	4,3	1,6	2,2	2,4	4,3	●	●	●
M 3	71	6	2,5	3,2	3,4	6,0	●	●	●
M 4	71	8	3,3	4,3	4,5	8,0	●	●	●
M 5	80	10	4,2	5,3	5,5	10,0	●	●	●
M 6	80	11	5,0	6,4	6,6	11,0	●	●	●
M 8	100	15	6,8	8,4	9,0	12,5	●	●	●
M 10	100	18	8,5	10,5	11,0	12,5	●	●	●
M 12	100	20	10,2	13,0	14,0	12,5	●	●	●

● Utensile disponibile a magazzino / Items available ex stock

# DIN 1866



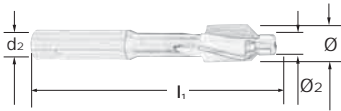
## Allargatori per sede viti 90°

Counterbores with solid pilot 90°

6263 Per preforo / For tap drill

6264 Per foro passante fine / for through hole fine

6265 Per foro passante medio / for through hole middle



							90°	90°	90°
							HSS	HSS	HSS
							6263	6264	6265
per vite For thread	$l_1$ mm	$\emptyset z9$	$\emptyset_2 e8$ 6263	$\emptyset_2 e8$ 6264	$\emptyset_2 e8$ 6265	$d_2 h9$			
M 2	56	4,3	1,6	2,2	2,4	4,3	●	●	●
M 3	71	6	2,5	3,2	3,4	6,0	●	●	●
M 4	80	8	3,3	4,3	4,5	8,0	●	●	●
M 5	80	10	4,2	5,3	5,5	10,0	●	●	●
M 6	80	11,5	5,0	6,4	6,6	11,5,0	●	●	●
M 8	100	15	6,8	8,4	9,0	12,5	●	●	●
M 10	100	19	8,5	10,5	11,0	12,5	●	●	●

● Utensile disponibile a magazzino / Items available ex stock



**Svasatori a 60° a 3 taglienti radiali  
per lavorazioni senza vibrazioni, in HSS**  
Countersinks 60°, with 3 flutes,  
made of HSS relieved, for chatter free operation

**Forma / Form C: con attacco cilindrico** with straight shank



Forma / Form				C	C
Angolo di svasatura Included angle				60°	60°
Esecuzione elica Cutting direction					
Materiale / Material				HSS	HSS
massimo Ø large Ø	minimo Ø small Ø	l <sub>1</sub> mm	gambo Ø shank Ø h9	6276	6276 TN
6,3	1,6	45	5	●	●
8,0	2,0	50	6	●	●
12,5	3,2	56	8	●	●
16,0	4,0	63	10	●	●
20,0	5,0	67	10	●	●
25,0	6,3	71	10	●	●

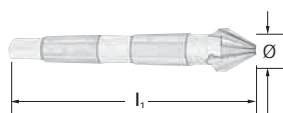
● Utensile disponibile a magazzino / Items available ex stock



### Svasatori a 60° a 3 taglienti radiali per lavorazioni senza vibrazioni, in HSS

Countersinks 60°, with 3 flutes,  
made of HSS relieved, for chatter free operation

**Forma / Form D: con attacco conico** with morse taper shank



Forma / Form

**Angolo di svasatura**  
Included angle

**Esecuzione elic**  
Cutting direction

**Materiale / Material**

**D**

60°



**HSS**

massimo Ø large Ø	minimo Ø small Ø	<b>l<sub>1</sub></b> mm	<b>CM</b> MT	<b>6278</b>
16,0	4,0	90	1	●
20,0	5,0	106	2	●
25,0	6,3	112	2	●
31,5	10,0	118	2	●
40,0	12,5	150	3	●
50,0	16,0	160	3	●
63,0	20,0	190	4	●
80,0	25,0	200	4	●

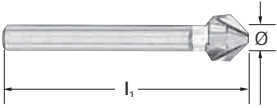
● Utensile disponibile a magazzino / Items available ex stock

# DIN 335 C



## Svasatori a 90° a 3 taglienti radiali in metallo duro per lavorazione senza vibrazioni con attacco cilindrico

Countersinks 90° with 3 flutes and straight shank, made of VHM  
for chatter free operation



Forma / Form						C	C
Angolo di svasatura Included angle						90°	90°
Esecuzione elica Cutting direction							
Materiale / Material						VHM	VHM
Ø mm	Form C esecuzione fine Form C fine	Form C esecuzione media Form C medium	l <sub>1</sub> mm	minimo Ø small Ø	gambo Ø shank Ø	6275	6275 TF
6,0	M 3	-	40	2,0	5	●	●
6,3	-	-	45	2,0	5	●	●
8,0	M 4	M 3,5	45	2,0	6	●	●
8,3	-	-	50	2,0	6	●	●
10,0	M 5	M 4	46	2,5	8	●	●
10,4	-	-	50	2,5	8	●	●
11,5	M 6	M 5	56	2,8	8	●	●
12,4	-	-	56	2,8	8	●	●
15,0	M 8	M 6	60	3,2	10	●	●
16,5	-	-	60	3,2	10	●	●
20,5	-	-	63	3,5	10	●	●
25,0	-	-	67	3,8	10	●	●
31,0	-	-	71	4,2	12	●	●

● Utensile disponibile a magazzino / Items available ex stock



# DIN 335 C



**Svasatori a 90° a 3 taglienti radiali**  
**per lavorazione senza vibrazioni con attacco cilindrico, in HSS**  
 Countersinks 90° with 3 flutes and straight shank, made of HSS  
 relieved, for chatter free operation



Forma / Form						C	C	C
Angolo di svasatura Included angle						90°	90°	90°
Esecuzione elica Cutting direction								
Materiale / Material						HSS	HSS	HSS
Ø mm	Form C esecuzione fine Form C fine	Form C esecuzione media Form C medium	L <sub>1</sub> mm	minimo Ø small Ø	gambo Ø shank Ø	6277	6277 TN	6277 TF
4,3	M	2,8	40	1,3	4	●		
5,0	M	2,5	40	1,5	4	●		
5,3	-	-	40	1,5	4	●		
5,8	-	-	45	1,5	5	●		
6,0	M	3,5	45	1,5	5	●		
6,0	M 3	M 2,5	45	1,5	5	●	●	●
6,3	-	-	45	1,5	5	●	-	-
7,0	M 3,5	M 3	50	1,8	6	●	●	●
7,3	-	-	50	1,8	6	●	-	-
8,0	M 4	M 3,5	50	2,0	6	●	●	●
8,3	-	-	50	2,0	6	●	●	●
9,4	-	-	50	2,2	6	●	-	-
10,0	M 5	M 4	50	2,5	6	●	●	●
10,4	-	-	50	2,5	6	●	●	●
11,5	M 6	M 5	56	2,8	8	●	●	●
12,4	-	-	56	2,8	8	●	●	●
13,4	-	-	56	2,9	8	●	-	-
15,0	M 8	M 6	60	3,2	10	●	●	●
16,5	-	-	60	3,2	10	●	●	●
19,0	M 10	M 8	63	3,5	10	●	●	●
20,5	-	-	63	3,5	10	●	●	●
23,0	M 12	M 10	67	3,8	10	●	●	●
25,0	-	-	67	3,8	10	●	●	●
30,0	-	-	71	4,2	12	●	●	●

● Utensile disponibile a magazzino / Items available ex stock

# DIN 335 C



**Assortimenti di svasatori a 90° con attacco cilindrico, in HSS**  
Countersinks 90° with straight shank made of HSS

**in cassetta metallica**  
Set in metal cases



**Forma / Form**

**Angolo di svasatura**  
Included angle

**Esecuzione elica**  
Cutting direction

**Materiale / Material**

**C**

**90°**



**HSS**

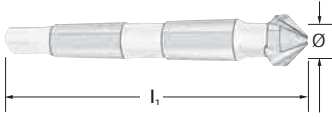
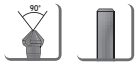
N. di svasatori No. of countersinks per set	Contenuto 1 pezzo per Ø mm set consists 1 piece per Ø mm		6927*
	6927 A	6927 B	
	6,0 - 8,0	6,3 - 8,3	●
6	10,0 - 11,5	10,4 - 12,4	●
	15,0 - 19,0	16,5 - 20,5	●

\*In fase di ordinazione Vi preghiamo di specificare se il contenuto è tipo 6927A o 6927B / When ordering please state cat. no 6927A or 6927B

● Utensile disponibile a magazzino / Items available ex stock



**Svasatori a 90° a 3 taglienti radiali  
per lavorazione senza vibrazioni con attacco conico, in HSS**  
Countersinks 90° with 3 flutes and Morse taper shank, made of HSS  
relieved, for chatter free operation



Forma / Form

Angolo di svasatura  
Included angle

Esecuzione elica  
Cutting direction

Materiale / Material

D

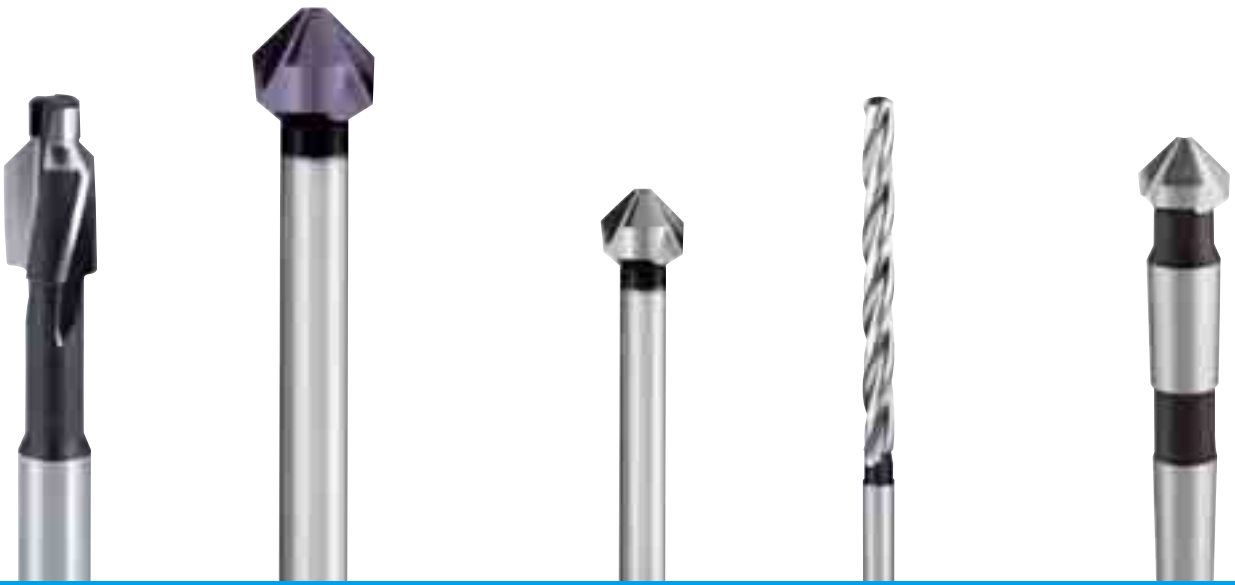
90°



HSS

$\emptyset$ mm	Form D esecuzione fine Form C fine	Form D esecuzione media Form C medium	$l_1$ mm	minimo $\emptyset$ small $\emptyset$	gambo $\emptyset$ shank $\emptyset$ h9	<b>6279</b>
15	M 8	M 6	85	3,2	1	●
16,5	-	-	85	3,2	1	●
19	M 10	M 8	100	3,5	2	●
20,5	-	-	100	3,5	2	●
23	M 12	M 10	106	3,8	2	●
25	-	-	106	3,8	2	●
26	M 14	M 12	106	3,8	2	●
28	-	-	112	4,0	2	●
30	M 16	M 14	112	4,2	2	●
31	-	-	112	4,2	2	●
34	M 18	M 16	118	4,5	2	●
37	M 20	M 18	118	4,8	2	●
40	-	-	140	10,0	3	●
50	-	-	150	14,0	3	●
63	-	-	180	16,0	4	●
80	-	-	190	22,0	4	●

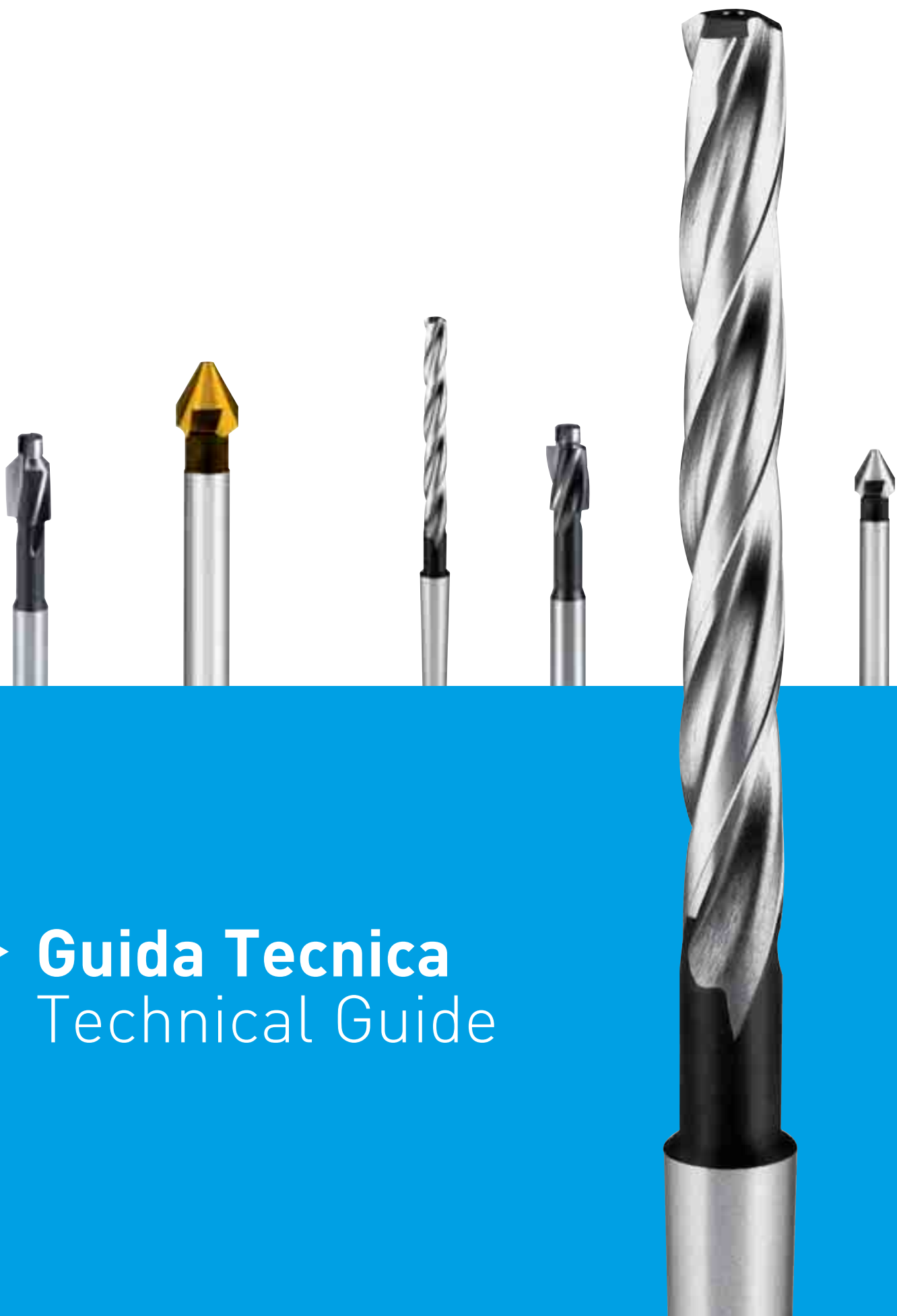
● Utensile disponibile a magazzino / Items available ex stock



# Allargatori ▪ Svasatori



Core Drills ▪ Countersinks



► **Guida Tecnica**  
Technical Guide

# DATI TECNICI

## TECHNICAL DATA



Tipo Type		N									
Rif. pagina	Famiglia Prodotto Ilix Type -See page	636	636	636	636	636	636	636	636	636	636
DIN		344	343	222	373	1866					
Direzione di taglio Cutting direction											
Materiale Material		HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Angolo al vertice Point angle		-	-	-	180°	90°					
Rivestimento Coating		BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
		6253		6251		6255		6260 6261 6262		6263 6264 6265	
		VC	F*	VC	F*	VC	F*	VC	F*	VC	F*
<b>P</b>	< 800 N/mm <sup>2</sup>	25	8	25	8	25	8	25	8	25	8
<b>P</b>	700-1000 N/mm <sup>2</sup>	20	7	20	7	20	7	20	7	20	7
<b>P</b>	1000-1300 N/mm <sup>2</sup>	15	6	15	6	15	6	15	6	15	6
<b>M</b>	Austenitico	6	3	6	3	6	3	6	3	6	3
<b>M</b>	Austenitico/Ferritico	5	4	5	4	5	4	5	4	5	4
<b>K</b>	GG	13	9	13	9	13	9	13	9	13	9
<b>K</b>	GGG	10	8	10	8	10	8	10	8	10	8
<b>N</b>	Alluminio	45	10	45	10	45	10	45	10	45	10
<b>N</b>	Non ferrosi	35	10	35	10	35	10	35	10	35	10
<b>S</b>	Titanio	4	3	4	3	4	3	4	3	4	3
<b>S</b>	Leghe speciali a base di Ni	4	2	4	2	4	2	4	2	4	2
<b>H</b>	Temprati 38 / 48 HRC	8	2	8	2	8	2	8	2	8	2
<b>H</b>	Temprati 48 / 58 HRC	-	-	-	-	-	-	-	-	-	-
<b>H</b>	Temprati 58 / 68 HRC	-	-	-	-	-	-	-	-	-	-



N

638

638

638

**335C/D**

**335C**



**HSS**

**MDI**

60°/90°

90°

BL/TN/TF

BL/TF

**6277**  
**6276**

**6279**  
**6278**

**6275**

VC	F*	VC	F*	VC	F*
23	8	50	10	50	10
20	7	40	9	40	9
17	5	34	7	34	7
8	3	18	5	18	5
6	4	12	6	12	6
25	9	50	11	50	11
15	8	30	10	30	10
27	10	54	12	54	12
24	10	48	12	48	12
7	3	14	5	14	5
5	2	10	4	10	4
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-