

COUNT LINE

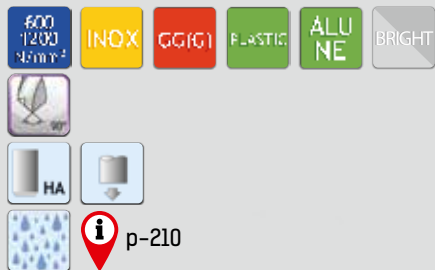
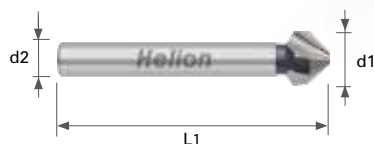
COUNT
LINE

COUNT LINE



COUNT LINE	Ø range	6,30-31	6,30-31	6-20	6,30 - 8,30 - 10,40 - 12,40 - 16,50 - 20,50	6,30 - 8,30 - 10,40 - 12,40 - 16,50 - 20,50
	Code	21.0300	21.2300	21.7100	BOX2100	BOX2123
	Page	205	206	207	208	209
	Type	HSS	HSS	HSS	HSS	HSS
	Coating	Bright	TiAIN	TiN Up	Bright	TiAIN
	Coolant	–	–	–	–	–
	Shape	90°	90°	180°	90°	90°
	Shank design	HA	HA	HA	HA	HA
	Steel (600/1200 N/mm²)	●	●	●	●	●
	Stainless steel	●	●	●	●	●
	Cast iron	●	●	●	●	●
	Plastic	●	○	○	●	○
	GFK-CFK	○	●	●	○	●
	ALU-NE	●	○		●	○
	NI ALLOYS		●	●		●

21.0300

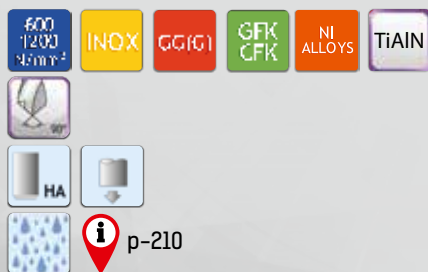
 Зенковки HSS 90° DIN 335

Cod.	d1	d2	L1	Price €
2103000630	6,30	5	45	
2103000830	8,30	6	50	
2103001040	10,40	6	50	
2103001240	12,40	8	56	
2103001650	16,50	10	60	
2103002050	20,50	10	63	
2103002500	25,00	10	67	
2103003100	31,00	12	71	

21.2300

COUNTERSINKER 90° DIN 335 HSS TiAlN

-  Avellanador cónico 90° DIN 335 HSS TiAlN
-  Fraise à noyer et ébavurer 90° DIN 335 HSS TiAlN
-  Svasatore conico 90° DIN 335 HSS TiAlN
-  Зенковки HSS 90° DIN 335 TiAlN



Cod.	d1	d2	L1	Price €
2123000630	6,30	5	45	
2123000830	8,30	6	50	
2123001040	10,40	6	50	
2123001240	12,40	8	56	
2123001650	16,50	10	60	
2123002050	20,50	10	63	
2123002500	25,00	10	67	
2123003100	31,00	12	71	

COUNTERSINKER 180° FINE GUIDE TOL. DIN 373 HSS TIN

21.7100

 Avellanador cilíndrico 180° guía tol. fina DIN 373 HSS TIN

 Fraise à lamer et chambrer 180° DIN 373 HSS TIN

 Lamatori per sedi di viti a norma DIN 373 HSS TIN

 Цековки с цилиндрическим хвостовиком DIN 373 HSS TIN



Cod.	d1	d2	d3	L1	Price €
2171000600	6,00	5,0	3,2	71	
2171000800	8,00	5,0	4,3	71	
2171001000	10,00	8,0	5,3	80	
2171001100	11,00	8,0	6,4	80	
2171001500	15,00	12,5	8,4	100	
2171001800	18,00	12,5	10,5	100	
2171002000	20,00	12,5	13,0	100	

BOX 2100

SET BOX 6 PCS. COUNTERSINK DIN 335 90° D: 6,30 - 20,50 HSS

-  Estuche 6 pcs. Avellanadores DIN 335 90° D: 6,30 - 20,50 HSS
-  Coffret 6 pièces fraises à noyer DIN 335 90° D: 6,30 - 20,50 HSS
-  Kit 6 pezzi. Svasatore DIN 335 90° D: 6,30 - 20,50 HSS
-  случай 6 части зенкер DIN 335 90° D: 6.30 - 20.50 HSS



600
1200
90mm

INOX

GGIGI

PLASTIC

ALU
NE

BRIGHT



 p-210

Cod.	Ø	Description	Norm	Type	Coating	Price €
BOX 2100	6,30	Countersink 90°	DIN 335	HSS	Bright	
	8,30	Countersink 90°	DIN 335	HSS	Bright	
	10,40	Countersink 90°	DIN 335	HSS	Bright	
	12,40	Countersink 90°	DIN 335	HSS	Bright	
	16,50	Countersink 90°	DIN 335	HSS	Bright	
	20,50	Countersink 90°	DIN 335	HSS	Bright	

SET BOX 6 PCS. COUNTERSINK DIN 335 90°

D: 6,30 - 20,50 HSS TIALN

BOX 2123

 Estuche 6 pcs. Avellanadores DIN 335 90° D: 6,30 - 20,50 HSS TIALN

 Coffret 6 pièces fraises à noyer DIN 335 90° D: 6,30 - 20,50 HSS TIALN

 Kit 6 pezzi. Svasatore DIN 335 90° D: 6,30 - 20,50 HSS TIALN

 случай 6 части зенкер DIN 335 90° D: 6.30 - 20.50 HSS TiAlN


Cod.	Ø	Description	Norm	Type	Coating	Price €
BOX 2123	6,30	Countersink 90°	DIN 335	HSS	TIALN	
	8,30	Countersink 90°	DIN 335	HSS	TIALN	
	10,40	Countersink 90°	DIN 335	HSS	TIALN	
	12,40	Countersink 90°	DIN 335	HSS	TIALN	
	16,50	Countersink 90°	DIN 335	HSS	TIALN	
	20,50	Countersink 90°	DIN 335	HSS	TIALN	

CUTTING CONDITIONS

Bright	TiAlN	TiN
21.0300	21.2300	21.7100



		Vc m/min	Vc m/min	Vc m/min	feed op.
Steel	General steels <500 N/mm² (<150 HB)	32	40	35	26
	General steels <700 N/mm² (<205 HB)	28	35	33	25
	General steels <850 N/mm² (<25 HRC)	25	30	27	25
	General steels <1000 N/mm² (<32 HRC)	15	20	18	24
	General steels <1200 N/mm² (<44 HRC)	10	12	11	24
	Tempering steel <850 N/mm² (<25 HRC)	25	30	27	24
	Tempering steel <1000 N/mm² (<32 HRC)	15	20	18	24
	Tempering steel <1200 N/mm² (<44 HRC)	10	12	11	24
Cast iron	Cast iron <180HB	25	30	28	25
	Malleable cast iron GTW - GTS	20	25	22	25
	Nodular cast iron GG - GGG	16	20	17	24
Non ferrous	Aluminium and AL-alloyed <6 % S	80	95	90	26
	Aluminium and AL-alloyed 6%-12% S	40	50	45	25
	Aluminium alloyed over >12% S	30	35	32	25
	Copper, long chips	60	70	65	24
	Brass, bronze, short chips	30	35	33	26
Inox	INOX Stainless steel <700 N/mm² (<205 HB)	16	18	17	24
	INOX Stainless steel >700 N/mm² (>205 HB)	12	14	13	24
Exotic materials	Titanium, Ti-, Ni-, Co- alloy (Inconel, Stellite...)	8	9	9	24
	Ti 1 / Ti Al6V4	10	12	11	24

Feed OPTION			
d1	24	25	26
6,00	0,150	0,180	0,220
8,00	0,150	0,200	0,250
10,00	0,180	0,220	0,250
12,00	0,180	0,250	0,300
16,00	0,200	0,280	0,350
20,00	0,250	0,300	0,380
25,00	0,250	0,300	0,380
31,00	0,300	0,380	0,450

Conditions of work guidelines. may vary on each concrete case.
Condiciones de trabajo orientativas. pueden variar en función de cada caso concreto.