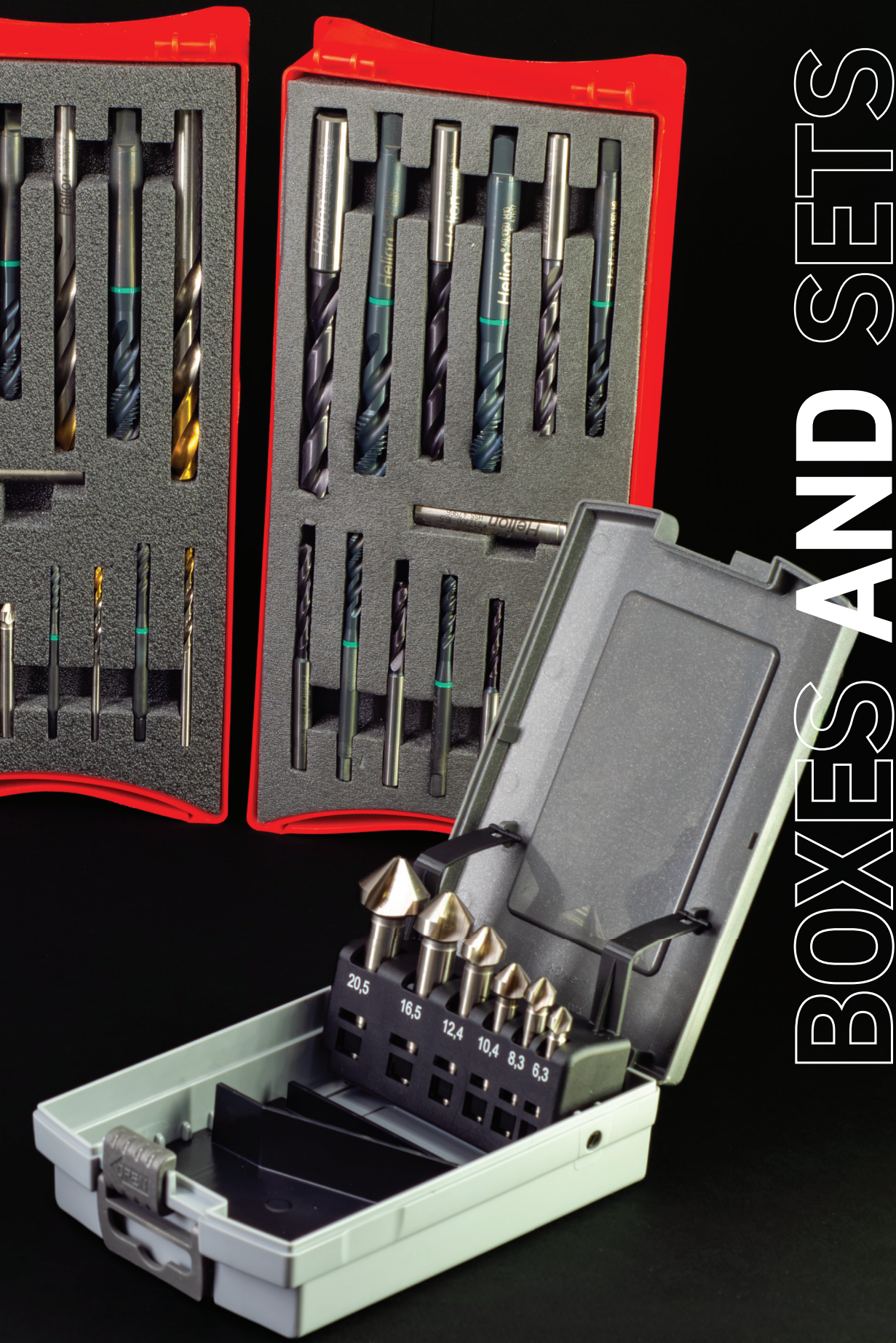




BOXES AND SETS

BOXES AND SETS INDEX

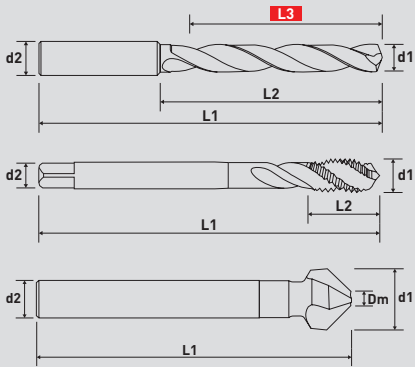
Code Código	BOX SC4200	BOX HS4100	BOX NC4300	BOX PM4100
				
ø Range Diámetro (mm)	Ø3,30 - Ø10,20 M4 - M12 Ø6,3 - Ø16,50	Ø2,50 - Ø8,50 M3 - M10 Ø6,3 - Ø12,40	#29 - 27/64 8-32 - 1/2-13 1/4 - 5/8	M4 - M12
Reference Referencias	60.6005 40.1060 40.1066 21.2300	12.2105 40.1060 21.0300	60.6005 40.1460 40.1466 21.2300	41.6040 41.6046 41.6050 41.6056
Tool Material M. herramienta	SC - HSS-E - HSS	HSS - HSS-E	SC - HSS-E - HSS	HSS-E-PM
Coating Recubrimiento	Drillant Black HVA Racer Gold	TiN Up Black HVA Bright	Drillant Black HVA Racer Gold	TiN Up
Norm Norma	DIN 6537L DIN 371 DIN 376 DIN 335C	DIN 338 DIN 371 DIN 335C	DIN 6537L DIN 371 DIN 376 DIN 335C	DIN 371
P Carbon Steel	●	●	●	●
P High Alloyed Steel	●	●	●	●
H HRC 55	○		○	
H HRC 62				
H HRC 70				
H HRC 75				
M Stainless Steel <700N/mm2	○	○	○	●
M Stainless Steel >700N/mm2	○	○	○	○
K Cast Iron	●	●	●	●
K Nodular Cast Iron	●	●	●	●
N Aluminium	○	○	○	○
N Copper	○	○	○	○
N Plastics				
G Graphite				
G GFK/CFK				
S Titanium Alloy	○	○	○	○
S NiAlloys	○		○	○

SET 10200	SET 122105	BOX 2100	BOX 2123		
					
Ø1 - Ø10	Ø1 - Ø10	Ø6,3 - Ø20,5	Ø6,3 - Ø20,5		
10.2000	12.2105	21.0300	21.2300		
HSS	HSS	HSS	HSS		
Black HVA	TiN Up	Bright	Bright		
DIN 338	DIN 338	DIN 335C	DIN 335C		
●	●	●	●		
●	●	○	●		
○	○	●	●		
●	●	●	●		
○	○				
●	●	●			
●	●	○	○		
○	○	●			
			●		

BOX SC4200

MACHINE TAPS + SC DRILLS + COUNTERSINK SET

SET DE MACHOS + BROCAS
SC + AVELLANADORES



Cod.	d1	d2	L1	L2	L3
6060050330	3,30	6	66	28	20
6060050420	4,20	6	74	36	27
6060050500	5,00	6	82	44	33
6060050680	6,80	8	91	53	40
6060050850	8,50	10	103	61	47
6060051020	10,20	12	118	71	55

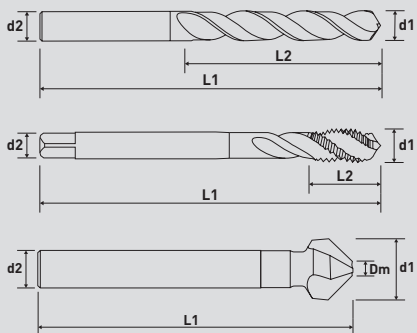


Cod.	M	d1	P	d2	L1	L2
401060M04	M4	4	0,70	4,50	63	8
401060M05	M5	5	0,80	6,00	70	9
401060M06	M6	6	1,00	6,00	80	11
401060M08	M8	8	1,25	8,00	90	14
401060M10	M10	10	1,50	10,00	100	16
401066M12	M12	12	1,75	9,00	110	19



Cod.	d1	d2	L1	Dmin	Z
2123000630	6,3	5	45	1,5	3
2123001650	16,5	10	60	3,2	3





BOX HS4100

**HSS MACHINE
TAPS + DRILLS +
COUNTERSINK SET**

SET HSS DE MACHOS +
BROCAS + AVELLANADORES



Cod.	d1	d2	L1	L2
1221050250	2,50	2,50	57	30
1221050330	3,30	3,30	65	36
1221050420	4,20	4,20	75	43
1221050500	5,00	5,00	86	52
1221050680	6,80	6,80	109	69
1221050850	8,50	8,50	117	75



Cod.	M	d1	P	d2	L1	L2
401060M03	M3	3	0,50	3,50	56	6
401060M04	M4	4	0,70	4,50	63	8
401060M05	M5	5	0,80	6,00	70	9
401060M06	M6	6	1,00	6,00	80	11
401060M08	M8	8	1,25	8,00	90	14
401060M10	M10	10	1,50	10,00	100	16

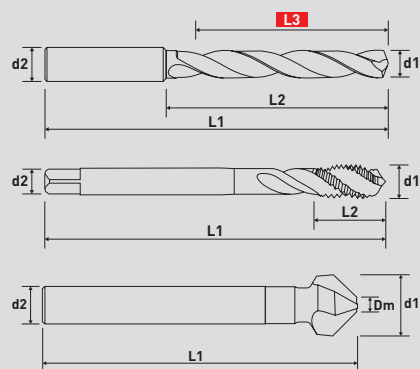


Cod.	d1	d2	L1	Dmin	Z
2103000630	6,30	5	45	1,5	3
2103001240	12,40	8	56	2,8	3

BOX NC4300

INCH MACHINE TAPS + SC DRILLS + COUNTERSINK SET

SET DE MACHOS + BROCAS SC +
AVELLANADORES EN PULGADAS



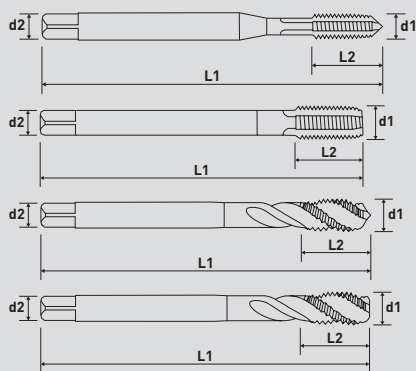
Cod.	M	d1	P	d2	L1
6060050350	#29	0,1378	2,5984	1,1024	0,7874
6060050390	#25	0,1535	2,9134	1,4173	1,063
6060050510	#7	0,2008	3,2283	1,7323	1,2992
6060050800	5/16	0,315	3,5827	2,0866	1,5748
6060050940	U	0,3701	4,0551	2,4016	1,8504
6060051080	27/64	0,4252	4,6457	2,7953	2,1654



Cod.	M	d1	d2	L1	L2	Previous Hole Ø
401460NC832	8-32	0,1642	0,1772	2,4803	0,315	0,1378
401460NC1024	1/4-20	0,1902	0,2362	2,7559	0,4331	0,1535
401460NC1420	10-24	0,25	0,2756	3,1496	0,5118	0,2008
401460NC3816	3/8-16	0,3752	0,3937	3,937	0,6299	0,315
401466NC71614	7/16-14	0,4374	0,315	3,937	0,7087	0,3701
401466NC1213	1/2-13	0,5	0,3543	4,3307	0,7874	0,4252



Cod.	d1	d2	L1	L2
2123000630	1/4	0,248	0,1969	1,7717
2123001650	5/8	0,6496	0,3937	2,3622



BOX PM4100

HSS-E-PM MACHINE TAPS SET

SET DE MACHOS
HSS-E PM



Cod.	M	d1	P	d2	L1	L2	Previous Hole Ø
416040M04	M4	4,00	0,70	4,50	63	12	3,30
416040M05	M5	5,00	0,80	6,00	70	14	4,20
416040M06	M6	6,00	1,00	6,00	80	16	5,00
416040M08	M8	8,00	1,25	8,00	90	17	6,80
416040M10	M10	10,00	1,50	10,00	100	20	8,50
416046M12	M12	12,00	1,75	9,00	110	24	10,20

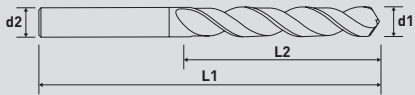
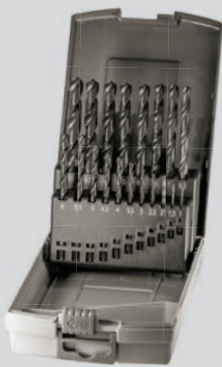


Cod.	M	d1	P	d2	L1	L2	Previous Hole Ø
416050M04	M4	4,00	0,70	4,50	63	8,00	3,20
416050M05	M5	5,00	0,80	6,00	70	9,00	4,20
416050M06	M6	6,00	1,00	6,00	80	11,00	5,00
416050M08	M8	8,00	1,25	8,00	90	14,00	6,80
416050M10	M10	10,00	1,50	10,00	100	16,00	8,50
416056M12	M12	12,00	1,75	9,00	110	19,00	10,20

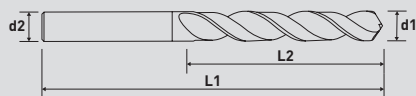
SET 102000

HSS DRILL SET DIN 338

SET DE BROCAS
HSS DIN 338



Cod.	d1	d2	L1	L2
1020000100	1,00	1,00	34	12
1020000150	1,50	1,50	40	18
1020000200	2,00	2,00	49	24
1020000250	2,50	2,50	57	30
1020000300	3,00	3,00	61	33
1020000350	3,50	3,50	70	39
1020000400	4,00	4,00	75	43
1020000450	4,50	4,50	80	47
1020000500	5,00	5,00	86	52
1020000550	5,50	5,50	93	57
1020000600	6,00	6,00	93	57
1020000650	6,50	6,50	101	63
1020000700	7,00	7,00	109	69
1020000750	7,50	7,50	109	69
1020000800	8,00	8,00	117	75
1020000850	8,50	8,50	117	75
1020000900	9,00	9,00	125	81
1020000950	9,50	9,50	125	81
1020001000	10,00	10,00	133	87



SET 122105

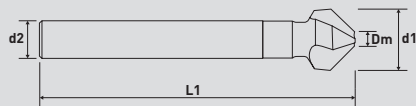
**HSS DRILL
SET DIN 338**

SET DE BROCAS
HSS DIN 338

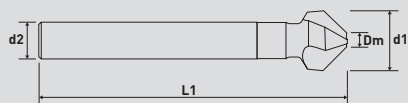


Cod.	d1	d2	L1	L2
1221050100	1,00	1,00	34	12
1221050150	1,50	1,50	40	18
1221050200	2,00	2,00	49	24
1221050250	2,50	2,50	57	30
1221050300	3,00	3,00	61	33
1221050350	3,50	3,50	70	39
1221050400	4,00	4,00	75	43
1221050450	4,50	4,50	80	47
1221050500	5,00	5,00	86	52
1221050550	5,50	5,50	93	57
1221050600	6,00	6,00	93	57
1221050650	6,50	6,50	101	63
1221050700	7,00	7,00	109	69
1221050750	7,50	7,50	109	69
1221050800	8,00	8,00	117	75
1221050850	8,50	8,50	117	75
1221050900	9,00	9,00	125	81
1221050950	9,50	9,50	125	81
1221051000	10,00	10,00	133	87

COUNTERSINK SET HSS 90°



Cod.	d1	d2	Dm	L1	Z
2103000630	6,3	5	1,5	45	3
2103000830	8,3	6	2	50	3
2103001040	10,4	6	2,5	50	3
2103001240	12,4	8	2,8	56	3
2103001650	16,5	10	3,2	60	3
2103002050	20,5	10	3,5	63	3



BOX 2123

COUNTERSINK SET HSS 90°

SET DE AVELLANADORES
HSS 90°



Cod.	d1	d2	Dm	L1	Z
2123000630	6,3	5	1,5	45	3
2123000830	8,3	6	2	50	3
2123001040	10,4	6	2,5	50	3
2123001240	12,4	8	2,8	56	3
2123001650	16,5	10	3,2	60	3
2123002050	20,5	10	3,5	63	3



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