



**HSS FULLY GROUND EXTRA LONG SERIES DRILL. SPLIT POINT.**

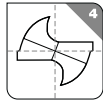


**HSS**

**STEAM TREATED**

**TIVOLY NORM**

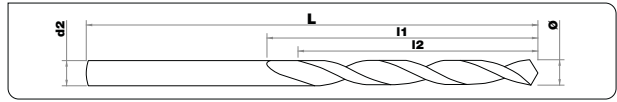
**3xd**



**118°**

**N TYPE**

**h8**



For boarding. Comfort. Accuracy.

Para rehundido, Confort, precisión.

**PUNTA HSS CILINDRICA EXTRA-LUNGA. TIPO N | AFFILATURA A CROCE.**

**C**

Heat Treatable Steels <950N/mm<sup>2</sup>  
Aceros aleados y tratados < 950N/mm<sup>2</sup>  
Acciai per trattamento termico <950N/mm<sup>2</sup>

**D**

Heat Treatable Steels <1200N/mm<sup>2</sup>  
Aceros aleados y tratados < 1200N/mm<sup>2</sup>  
Acciai per trattamento termico <1200N/mm<sup>2</sup>

**E**

Heat Treatable Steels <1400N/mm<sup>2</sup>  
Aceros aleados y tratados < 1400N/mm<sup>2</sup>  
Acciai per trattamento termico <1400N/mm<sup>2</sup>

1140541	EAN	Ø	d2	L	I1	QTY	PCB	€
11405410400	3221910174392	4	4	150	35	1	10	
11405410505	3221910174408	5,05	5,05	150	35	1	10	
11405410565	3221910174439	5,65	5,65	150	35	1	10	
11405410580	3221910174446	5,80	5,80	150	35	1	10	
11405410595	3221910174453	5,95	5,95	150	35	1	10	



**AIRCRAFT | HSS FULLY GROUND EXTRA LONG SERIES DRILL**

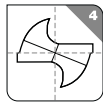


**HSS**

**BRIGHT UNCOATED**

**NAS 907**

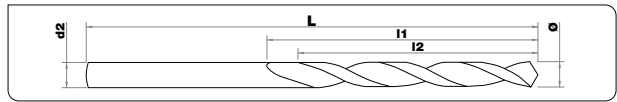
**3xd**



**118°**

**N TYPE**

**h8**



For hand drilling difficult to access structures.

Para el taladrado manual de estructuras de difícil acceso.

**AIRCRAFT | PUNTA HSS CILINDRICA EXTRA-LUNGA. TIPO N**

**A**

Heat Treatable Steels <400N/mm<sup>2</sup>  
Aceros aleados y tratados < 400N/mm<sup>2</sup>  
Acciai per trattamento termico <400N/mm<sup>2</sup>

**B**

Heat Treatable Steels <700N/mm<sup>2</sup>  
Aceros aleados y tratados < 700N/mm<sup>2</sup>  
Acciai per trattamento termico <700N/mm<sup>2</sup>

8143811	EAN	Ø	d2	L	I1	QTY	PCB
81438110200	3221910780289	2	2	306	29	1	10
81438110250	3221910780296	2,5	2,5	307	38	1	10
81438110300	3221910780302	3	3	307	43	1	10
81438110320	3221910780319	3,2	3,2	307	43	1	10
81438110326	3221910780326	3,26	3,26	307	43	1	10
81438110330	3221910780333	3,3	3,3	307	50	1	10
81438110350	3221910780340	3,5	3,5	307	56	1	10
81438110400	3221910780357	4	4	307	56	1	10
81438110410	3221910780371	4,1	4,1	307	56	1	10
81438110422	3221910780388	4,22	4,22	307	56	1	10
81438110450	3221910780395	4,5	4,5	307	60	1	10
81438110480	3221910780401	4,8	4,8	307	65	1	10
81438110500	3221910780418	5	5	308	65	1	10
81438110520	3221910780425	5,2	5,2	308	65	1	10
81438110550	3221910780432	5,5	5,5	308	70	1	10
81438110580	3221910780449	5,8	5,8	308	70	1	10
81438110600	3221910780456	6	6	308	70	1	10
81438110620	3221910780463	6,2	6,2	308	77	1	10
81438110650	3221910780470	6,5	6,5	308	77	1	10
81438110675	3221910780487	6,75	6,75	308	82	1	10



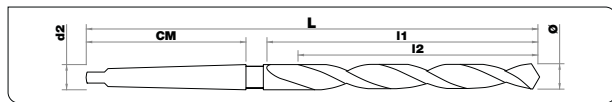
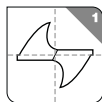
8143811	EAN	Ø	d2	L	I1	QTY PCB
81438110780	3221910780494	7,8	7,8	308	82	1 10
81438110800	3221910780500	8	8	308	82	1 10



**HSS ROLL FORGED JOBBER  
LENGTH DRILL MORSE TAPER  
SHANK.**

**BROCA HSS LAMINADA. SERIE  
CORTA. MANGO CÓNICO.**

**PUNTA HSS LAMINATA CONO  
MORSE.**



For steels.

Para aceros en general.

Foratura acciaio comune.



Heat Treatable Steels <400N/mm<sup>2</sup>  
Aceros aleados y tratados < 400N/mm<sup>2</sup>  
Acciai per trattamento termico <400N/mm<sup>2</sup>

9020061	EAN	Ø	CM	L	I1	QTY PCB
90200610500	3221910102784	5	CM1	133	52	1 1
90200610520	3221910102791	5,2	CM1	133	52	1 1
90200610550	3221910102814	5,5	CM1	138	57	1 1
90200610600	3221910102845	6	CM1	138	57	1 1
90200610650	3221910102876	6,5	CM1	144	63	1 1
90200610680	3221910102890	6,8	CM1	150	69	1 1
90200610700	3221910102906	7	CM1	150	69	1 1
90200610750	3221910102937	7,5	CM1	150	69	1 1*
90200610800	3221910102968	8	CM1	156	75	1 1
90200610850	3221910102999	8,5	CM1	156	75	1 1
90200610900	3221910103026	9	CM1	162	81	1 1
90200610950	3221910103057	9,5	CM1	162	81	1 1*
90200611000	3221910103088	10	CM1	168	87	1 1
90200611020	3221910103101	10,2	CM1	168	87	1 1
90200611025	3221910103118	10,25	CM1	168	87	1 1
90200611050	3221910103125	10,5	CM1	168	87	1 1
90200611100	3221910103156	11	CM1	175	94	1 1
90200611150	3221910103187	11,5	CM1	175	94	1 1
90200611200	3221910103217	12	CM1	181	101	1 1
90200611250	3221910103248	12,5	CM1	181	101	1 1
90200611300	3221910813987	13	CM1	181	101	1 1
90200611350	3221910813994	13,5	CM1	189	108	1 1
90200611400	3221910814007	14	CM1	189	108	1 1
90200611450	3221910103361	14,5	CM2	214	114	1 1
90200611500	3221910814014	15	CM2	214	114	1 1
90200611550	3221910814021	15,5	CM2	218	120	1 1
90200611600	3221910814038	16	CM2	218	120	1 1
90200611650	3221910814045	16,5	CM2	223	125	1 1
90200611700	3221910814052	17	CM2	223	125	1 1
90200611750	3221910814069	17,5	CM2	228	130	1 1
90200611800	3221910814076	18	CM2	228	130	1 1
90200611850	3221910814083	18,5	CM2	233	135	1 1
90200611900	3221910814090	19	CM2	233	135	1 1
90200611950	3221910814106	19,5	CM2	238	140	1 1
90200612000	3221910814113	20	CM2	238	140	1 1
90200612050	3221910103644	20,5	CM2	243	145	1 1
90200612100	3221910814120	21	CM2	243	145	1 1
90200612150	3221910103682	21,5	CM2	248	150	1 1
90200612200	3221910814137	22	CM2	248	150	1 1
90200612250	3221910103729	22,5	CM2	276	155	1 1
90200612300	3221910814144	23	CM2	276	155	1 1
90200612350	3221910103767	23,5	CM3	276	155	1 1*
90200612400	3221910814151	24	CM3	281	160	1 1
90200612450	3221910103804	24,5	CM3	281	160	1 1*
90200612500	3221910814168	25	CM3	281	160	1 1
90200612550	3221910103842	25,5	CM3	286	165	1 1
90200612600	3221910814175	26	CM3	286	165	1 1
90200612650	3221910103873	26,5	CM3	286	165	1 1
90200612700	3221910814182	27	CM3	291	170	1 1
90200612750	3221910103897	27,5	CM3	291	170	1 1
90200612800	3221910814199	28	CM3	291	170	1 1
90200612850	3221910103910	28,5	CM3	296	175	1 1

