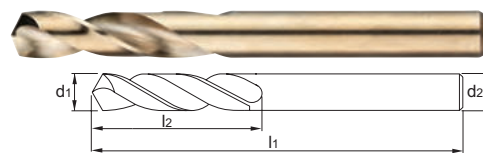




> 11.150 INTERNATIONAL TOOLS

- NL ECO PRO HSS-E Spiraalboor
- FR Foret HSS-E ECO PRO
- ES Broca HSS-E ECO PRO
- DE ECO PRO HSS-E Spiralbohrer



NIEUW / NOUVEAU / NUEVO / NEU

HSS-E	DIN 1897	N			ECO PRO				
P 11 s800 N/mm ²	P 12 s850 N/mm ²	P 13 s1000 N/mm ²	P 14 s1400 N/mm ²	M 21 INOX s850N/mm ²	M 22 INOX >850N/mm ²	K 31 GG	K 32 GGG GTS-GTW	N 51 Cu	N 52 CuAlFe
28-35 E	30-36 E	20-27 E	12-20 D	14-18 D	10-15 C	30-35 F	24-30 F	30-40 E	8-15 C

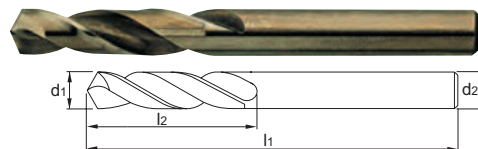
Ref.	d1	d2	l1	l2
11.150.0100	1	1	26	6
11.150.0150	1.5	1.5	32	9
11.150.0200	2	2	38	12
11.150.0220	2.2	2.2	40	13
11.150.0250	2.5	2.5	43	14
11.150.0300	3	3	46	16
11.150.0310	3.1	3.1	49	18
11.150.0320	3.2	3.2	49	18
11.150.0330	3.3	3.3	49	18
11.150.0340	3.4	3.4	52	20
11.150.0350	3.5	3.5	52	20
11.150.0370	3.7	3.7	52	20
11.150.0380	3.8	3.8	55	22

Ref.	d1	d2	l1	l2
11.150.0400	4	4	55	22
11.150.0410	4.1	4.1	55	22
11.150.0420	4.2	4.2	55	22
11.150.0450	4.5	4.5	58	24
11.150.0470	4.7	4.7	58	24
11.150.0480	4.8	4.8	62	26
11.150.0490	4.9	4.9	62	26
11.150.0500	5	5	62	26
11.150.0520	5.2	5.2	62	26
11.150.0550	5.5	5.5	66	28
11.150.0600	6	6	66	28
11.150.0650	6.5	6.5	70	31
11.150.0680	6.8	6.8	74	34

Ref.	d1	d2	l1	l2
11.150.0700	7	7	74	34
11.150.0750	7.5	7.5	74	34
11.150.0800	8	8	79	37
11.150.0850	8.5	8.5	79	37
11.150.0900	9	9	84	40
11.150.0950	9.5	9.5	84	40
11.150.1000	10	10	89	43
11.150.1050	10.5	10.5	89	43
11.150.1100	11	11	95	47
11.150.1150	11.5	11.5	95	47
11.150.1200	12	12	102	51
11.150.1250	12.5	12.5	102	51
11.150.1300	13	13	102	51

> 11.160 Phantom

- NL HSS-E Spiraalboor
- FR Foret HSS-E
- ES Broca HSS-E
- DE HSS-E Spiralbohrer



HSS-E	DIN 1897	N							
P 11 s800 N/mm ²	P 12 s850 N/mm ²	P 13 s1000 N/mm ²	P 14 s1400 N/mm ²	M 21 INOX s850N/mm ²	M 22 INOX >850N/mm ²	K 31 GG	K 32 GGG GTS-GTW	N 51 Cu	N 52 CuAlFe
28-35 E	30-36 E	20-27 E	12-20 D	14-18 D	10-15 C	30-35 F	24-30 F	30-40 E	8-15 C

Ref.	d1	d2	l1	l2
11.160.0100	1	1	26	6
11.160.0150	1.5	1.5	32	9
11.160.0200	2	2	38	12
11.160.0210	2.1	2.1	38	12
11.160.0220	2.2	2.2	40	13
11.160.0230	2.3	2.3	40	13
11.160.0240	2.4	2.4	43	14
11.160.0250	2.5	2.5	43	14
11.160.0260	2.6	2.6	43	14
11.160.0270	2.7	2.7	46	16
11.160.0280	2.8	2.8	46	16
11.160.0290	2.9	2.9	46	16
11.160.0300	3	3	46	16
11.160.0310	3.1	3.1	49	18
11.160.0320	3.2	3.2	49	18
11.160.0330	3.3	3.3	49	18
11.160.0340	3.4	3.4	52	20
11.160.0350	3.5	3.5	52	20
11.160.0360	3.6	3.6	52	20
11.160.0370	3.7	3.7	52	20

Ref.	d1	d2	l1	l2
11.160.0380	3.8	3.8	55	22
11.160.0390	3.9	3.9	55	22
11.160.0400	4	4	55	22
11.160.0410	4.1	4.1	55	22
11.160.0420	4.2	4.2	55	22
11.160.0430	4.3	4.3	58	24
11.160.0440	4.4	4.4	58	24
11.160.0450	4.5	4.5	58	24
11.160.0460	4.6	4.6	58	24
11.160.0470	4.7	4.7	58	24
11.160.0480	4.8	4.8	62	26
11.160.0490	4.9	4.9	62	26
11.160.0500	5	5	62	26
11.160.0510	5.1	5.1	62	26
11.160.0520	5.2	5.2	62	26
11.160.0530	5.3	5.3	62	26
11.160.0540	5.4	5.4	66	28
11.160.0550	5.5	5.5	66	28
11.160.0560	5.6	5.6	66	28
11.160.0570	5.7	5.7	66	28

Ref.	d1	d2	l1	l2
11.160.0580	5.8	5.8	66	28
11.160.0590	5.9	5.9	66	28
11.160.0600	6	6	66	28
11.160.0620	6.2	6.2	70	31
11.160.0640	6.4	6.4	70	31
11.160.0650	6.5	6.5	70	31
11.160.0680	6.8	6.8	74	34
11.160.0700	7	7	74	34
11.160.0750	7.5	7.5	74	34
11.160.0800	8	8	79	37
11.160.0850	8.5	8.5	79	37
11.160.0900	9	9	84	40
11.160.0950	9.5	9.5	84	40
11.160.1000	10	10	89	43
11.160.1050	10.5	10.5	89	43
11.160.1100	11	11	95	47
11.160.1150	11.5	11.5	95	47
11.160.1200	12	12	102	51
11.160.1250	12.5	12.5	102	51
11.160.1300	13	13	102	51