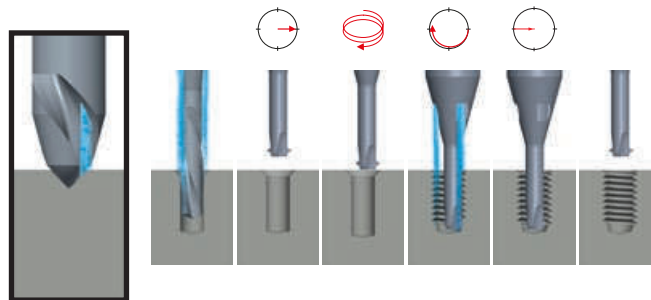


TABELLE D'UTILISATION — TABELLA D'IMPIEGO

Cycle de programmation pour mèches à centrer C315VS

Ciclo di programmazione per punte da centro C315VS



DC Classification des matières

DC Classificazione dei materiali

Groupes de matières Gruppi di materiali	Désignation des matières	Designazione dei materiali	Dureté Durezza (HB)	Résistance Resistenza Rm (N/mm ²)	Lubrifiant Lubrificante A (%)
10 Aciers Acciai	11 Aciers de décolletage	Acciai da tornitura	< 200	< 700	O E
	12 Aciers de construction ou de cémentation	Acciai da costruzione / da cementazione	< 200	< 700	O E
	13 Aciers au carbone	Acciai al carbonio	< 300	< 1000	O E
	14 Aciers alliés < 850 N/mm ²	Acciai legati < 850 N/mm ²	< 250	< 850	O E
	15 Aciers alliés / traités > 850 - < 1150 N/mm ²	Acciai legati / trattati > 850 - < 1150 N/mm ²	> 250	> 850	O E
	16 Aciers haute résistance ≤ 44 HRC	Acciai ad alta resistenza ≤ 44 HRC	> 250	> 850	O E
	17 Aciers améliorés > 44 - ≤ 54 HRC	Acciai bonificati > 44 - ≤ 54 HRC	> 410	> 1400	O E
	18 Aciers trempés > 54 - ≤ 63 HRC	Acciai temprati > 54 - ≤ 63 HRC	> 560	> 1980	
20 Aciers inoxydables Acciai inox	21 Aciers inoxydables, soufrés	Acciai inox, allo zolfo	< 250	< 850	O E
	22 Austénitiques	Acciai inox, austenitici	< 250	< 850	O E
	23 Ferritiques et martensitiques < 850 N/mm ²	Ferritici e martensitici < 850 N/mm ²	< 250	< 850	O E
	24 Ferritiques et martensitiques > 850 - < 1150 N/mm ²	Ferritici e martensitici > 850 - < 1150 N/mm ²	> 250	> 850	O E
30 Fonte Ghisa	31 Fonte grise	Ghisa grigia	< 250	< 850	O E
	32 Fonte à graphite sphéroïdale et malléable	Ghisa grafitica sferoidale e malleabile	< 250	< 850	O E
40 Titane Titanio	41 Titane pur	Titanio puro	< 250	< 850	O E
	42 Alliage de titane	Leghe di titanio	> 250	> 850	O E
50 Nickel Nickel	51 Alliage de nickel 1 ≤ 850 N/mm ²	Leghe di nickel 1 ≤ 850 N/mm ²	< 250	< 850	O E
	52 Alliage de nickel 2 > 850 - ≤ 1150 N/mm ²	Leghe di nickel 2 > 850 - ≤ 1150 N/mm ²	> 250	> 850	O E
	53 Alliage de nickel 3 > 1150 - ≤ 1600 N/mm ²	Leghe di nickel 3 > 1150 - ≤ 1600 N/mm ²	> 340	> 1150	O E
60 Cuivre Rame	61 Cuivre pur (électrolytique)	Rame puro (elettrolitico)	< 120	< 400	O E
	62 Laiton, bronze (copeaux courts)	Ottone, bronzo (trucioli corti)	< 200	< 700	O E
	63 Laiton (copeaux longs)	Ottone (trucioli lunghi)	< 200	< 700	O E
	64 Laiton sans plomb	Ottone senza piombo	< 220	< 700	O E
70 Aluminium Magnésium Alluminio Magnesio	71 Al non allié	Alluminio non legato	< 100	< 350	O E
	72 Al allié Si < 1.5 %	Leghe di alluminio Si < 1.5 %	< 150	< 500	O E
	73 Al allié Si > 1.5 % - < 10 %	Leghe di alluminio Si > 1.5 % - < 10 %	< 120	< 400	O E
	74 Al allié Si > 10 %, alliages de magnésium	Leghe di al. Si > 10 %, leghe di magnesio	< 120	< 400	O E
80 Matières plastiques Materie plastiche	81 Matières thermoplastiques	Materie termoplastiche	-	-	E
	82 Matières duroplastiques	Materie termoindurenti	-	-	E
	83 Matières plastiques renforcées par fibres	Materie plastiche rinforzate con fibre	-	-	E
90 Métaux précieux Metalli preziosi	91 Or jaune	Oro giallo	-	-	O E
	92 Or rose	Oro rosso	-	-	O E
	93 Or blanc	Oro bianco	-	-	O E
	94 Argent	Argento	-	-	O E

MÈCHES À CENTRER C315VS — PUNTE DA CENTRO C315VS

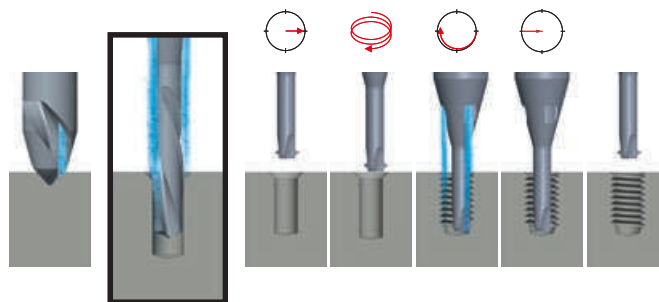
		C315VS					
							
		VS	VS	VS	VS	VS	VS
		Avance f (mm/tour)			Avanzamento f (mm/giro)		
		Ø 1.40	Ø 2.00	Ø 3.00	Ø 4.00	Ø 6.00	Ø 8.00
	Vc (m/min) Guide Line Rivètu Rivestito						
11	120	0.05	0.08	0.10	0.12	0.15	0.20
12	120	0.05	0.08	0.10	0.12	0.15	0.20
13	120	0.05	0.08	0.10	0.12	0.15	0.20
14	80	0.05	0.08	0.10	0.12	0.15	0.20
15	60	0.03	0.04	0.06	0.08	0.12	0.18
16	40	0.02	0.03	0.04	0.05	0.06	0.07
17	40	0.02	0.03	0.04	0.05	0.06	0.07
18							
21	60	0.03	0.04	0.06	0.08	0.12	0.18
22	50	0.03	0.04	0.06	0.07	0.09	0.11
23	50	0.03	0.04	0.06	0.07	0.09	0.11
24	50	0.03	0.04	0.06	0.07	0.09	0.11
31	100	0.04	0.05	0.07	0.09	0.11	0.15
32	100	0.04	0.05	0.07	0.09	0.11	0.15
41	25	0.03	0.04	0.06	0.07	0.09	0.11
42	25	0.04	0.07	0.09	0.11	0.14	0.18
51	25	0.025	0.03	0.04	0.05	0.07	0.09
52	20	0.025	0.03	0.04	0.05	0.07	0.09
53	10	0.025	0.03	0.04	0.05	0.07	0.09
61	100	0.06	0.09	0.11	0.13	0.18	0.23
62	100	0.06	0.09	0.11	0.13	0.16	0.18
63	80	0.06	0.09	0.11	0.13	0.16	0.18
64	80	0.06	0.09	0.11	0.13	0.16	0.18
71	150	0.06	0.09	0.11	0.13	0.18	0.23
72	150	0.06	0.09	0.11	0.13	0.18	0.23
73	100	0.06	0.09	0.11	0.13	0.18	0.23
74	100	0.06	0.09	0.11	0.13	0.18	0.23
81	200	0.08	0.11	0.13	0.15	0.20	0.25
82	200	0.08	0.11	0.13	0.15	0.20	0.25
83	100	0.08	0.11	0.13	0.15	0.20	0.25
91	200	0.08	0.11	0.13	0.15	0.20	0.25
92	150	0.08	0.11	0.13	0.15	0.20	0.25
93	100	0.08	0.11	0.13	0.15	0.20	0.25
94	100	0.08	0.11	0.13	0.15	0.20	0.25

Les valeurs ci-dessus sont indicatives.
I valori sopracitati sono indicativi.

TABELLE D'UTILISATION — TABELLA D'IMPIEGO

Cycle de programmation pour mèches FZ315VS

Ciclo di programmazione per punte elicoidali FZ315VS



DC Classification des matières

DC Classificazione dei materiali

Groupes de matières Gruppi di materiali	Désignation des matières	Designazione dei materiali	Dureté Durezza (HB)	Résistance Resistenza Rm (N/mm²)	Lubrifiant Lubrificante A (%)
10 Aciers Acciai	11 Aciers de décolletage	Acciai da tornitura	< 200	< 700	O E
	12 Aciers de construction ou de cémentation	Acciai da costruzione / da cementazione	< 200	< 700	O E
	13 Aciers au carbone	Acciai al carbonio	< 300	< 1000	O E
	14 Aciers alliés < 850 N/mm²	Acciai legati < 850 N/mm²	< 250	< 850	O E
	15 Aciers alliés / traités > 850 - < 1150 N/mm²	Acciai legati / trattati > 850 - < 1150 N/mm²	> 250	> 850	O E
	16 Aciers haute résistance ≤ 44 HRC	Acciai ad alta resistenza ≤ 44 HRC	> 250	> 850	O E
	17 Aciers améliorés > 44 - ≤ 54 HRC	Acciai bonificati > 44 - ≤ 54 HRC	> 410	> 1400	O E
	18 Aciers trempés > 54 - ≤ 63 HRC	Acciai temprati > 54 - ≤ 63 HRC	> 560	> 1980	
20 Aciers inoxydables Acciai inox	21 Aciers inoxydables, soufrés	Acciai inox, allo zolfo	< 250	< 850	O E
	22 Austénitiques	Acciai inox, austenitici	< 250	< 850	O E
	23 Ferritiques et martensitiques < 850 N/mm²	Ferritici e martensitici < 850 N/mm²	< 250	< 850	O E
	24 Ferritiques et martensitiques > 850 - < 1150 N/mm²	Ferritici e martensitici > 850 - < 1150 N/mm²	> 250	> 850	O E
30 Fonte Ghisa	31 Fonte grise	Ghisa grigia	< 250	< 850	O E
	32 Fonte à graphite sphéroïdale et malléable	Ghisa grafitica sferoidale e malleabile	< 250	< 850	O E
40 Titane Titanio	41 Titane pur	Titanio puro	< 250	< 850	O E
	42 Alliage de titane	Leghe di titanio	> 250	> 850	O E
50 Nickel Nickel	51 Alliage de nickel 1 ≤ 850 N/mm²	Leghe di nickel 1 ≤ 850 N/mm²	< 250	< 850	O E
	52 Alliage de nickel 2 > 850 - ≤ 1150 N/mm²	Leghe di nickel 2 > 850 - ≤ 1150 N/mm²	> 250	> 850	O E
	53 Alliage de nickel 3 > 1150 - ≤ 1600 N/mm²	Leghe di nickel 3 > 1150 - ≤ 1600 N/mm²	> 340	> 1150	O E
60 Cuivre Rame	61 Cuivre pur (électrolytique)	Rame puro (elettrolitico)	< 120	< 400	O E
	62 Laiton, bronze (copeaux courts)	Ottone, bronzo (trucioli corti)	< 200	< 700	O E
	63 Laiton (copeaux longs)	Ottone (trucioli lunghi)	< 200	< 700	O E
	64 Laiton sans plomb	Ottone senza piombo	< 220	< 700	O E
70 Aluminium Magnésium Alluminio Magnesio	71 Al non allié	Alluminio non legato	< 100	< 350	O E
	72 Al allié Si < 1.5 %	Leghe di alluminio Si < 1.5 %	< 150	< 500	O E
	73 Al allié Si > 1.5 % - < 10 %	Leghe di alluminio Si > 1.5 % - < 10 %	< 120	< 400	O E
	74 Al allié Si > 10 %, alliages de magnésium	Leghe di al. Si > 10 %, leghe di magnesio	< 120	< 400	O E
80 Matières plastiques Materie plastiche	81 Matières thermoplastiques	Materie termoplastiche	-	-	E
	82 Matières duroplastiques	Materie termoindurenti	-	-	E
	83 Matières plastiques renforcées par fibres	Materie plastiche rinforzate con fibre	-	-	E
90 Métaux précieux Metalli preziosi	91 Or jaune	Oro giallo	-	-	O E
	92 Or rose	Oro rosso	-	-	O E
	93 Or blanc	Oro bianco	-	-	O E
	94 Argent	Argento	-	-	O E

MÈCHES FZ315VS — PUNTE ELICOIDALI FZ315VS

FZ315VS



Vc
(m/min) Guide Line
Ø 0.58 - 2.0

Revêtu
Rivestito

Avance f
(mm/tour)

Avanzamento f
(mm/giro)

Ø0.58-0.82

Ø0.83-1.07

Ø1.08-1.46

Ø1.47-2.0

Q1

Qx

11	40 - 60	0.02-0.035	0.03-0.045	0.04-0.055	0.05-0.065	1xd,-4xd	1xd,-2xd
12	40 - 60	0.02-0.035	0.03-0.045	0.04-0.055	0.05-0.065	1xd,-4xd	1xd,-2xd
13	35 - 55	0.015-0.025	0.025-0.035	0.035-0.045	0.045-0.055	1xd,-4xd	1xd,-2xd
14	35 - 55	0.015-0.025	0.025-0.035	0.035-0.045	0.045-0.055	1xd,-4xd	1xd,-2xd
15	35 - 55	0.015-0.025	0.025-0.035	0.035-0.045	0.045-0.055	1xd,-4xd	1xd,-2xd
16	35 - 55	0.015-0.025	0.025-0.035	0.035-0.045	0.045-0.055	1xd,-4xd	1xd,-2xd
17	30 - 45	0.015-0.025	0.025-0.035	0.035-0.045	0.045-0.055	1xd,-4xd	1xd,-2xd
18							
21	30 - 45	0.015-0.025	0.025-0.035	0.035-0.045	0.045-0.055	1xd,-4xd	1xd,-2xd
22	30 - 45	0.015-0.025	0.025-0.035	0.035-0.045	0.045-0.055	1xd,-4xd	1xd,-2xd
23	35 - 50	0.02-0.025	0.025-0.035	0.04-0.05	0.05-0.065	1xd,-4xd	1xd,-2xd
24	35 - 50	0.02-0.025	0.025-0.035	0.04-0.05	0.05-0.065	1xd,-4xd	1xd,-2xd
31	50 - 80	0.025-0.045	0.045-0.065	0.065-0.085	0.085-0.10	4xd,-8xd	4xd
32	40 - 70	0.025-0.045	0.045-0.065	0.065-0.085	0.085-0.10	4xd,-8xd	4xd
41	15 - 25	0.005-0.02	0.015-0.045	0.04-0.06	0.055-0.07	1/2xd,-1xd	1/4xd,-1/2xd
42	15 - 25	0.005-0.02	0.015-0.045	0.04-0.06	0.055-0.07	1/2xd,-1xd	1/4xd,-1/2xd
51	15 - 25	0.005-0.02	0.02-0.025	0.025-0.035	0.035-0.05	1/2xd,-1xd	1/2xd
52	15 - 25	0.015-0.02	0.02-0.025	0.025-0.035	0.035-0.05	1/2xd,-1xd	1/2xd
53	15 - 25	0.005-0.01	0.01-0.02	0.02-0.03	0.03-0.04	1/2xd,-1xd	1/2xd
61	50 - 80	0.05-0.08	0.06-0.10	0.08-0.12	0.12-0.15	4xd,-8xd	4xd
62	50 - 80	0.05-0.08	0.06-0.10	0.08-0.12	0.12-0.15	4xd,-8xd	4xd
63	50 - 80	0.05-0.08	0.06-0.10	0.08-0.12	0.12-0.15	4xd,-8xd	4xd
64	50 - 80	0.05-0.08	0.06-0.1	0.08-0.12	0.12-0.15	4xd,-8xd	4xd
71	50 - 80	0.05-0.08	0.06-0.10	0.08-0.12	0.12-0.15	2xd,-3xd	3xd
72	50 - 80	0.05-0.08	0.06-0.10	0.08-0.12	0.12-0.15	2xd,-3xd	3xd
73	50 - 80	0.05-0.08	0.06-0.10	0.08-0.12	0.12-0.15	2xd,-3xd	3xd
74	50 - 80	0.05-0.08	0.06-0.10	0.08-0.12	0.12-0.15	2xd,-3xd	3xd
81	50 - 80	0.05-0.08	0.06-0.10	0.08-0.12	0.12-0.15	4xd,-8xd	4xd
82	50 - 80	0.05-0.08	0.06-0.10	0.08-0.12	0.12-0.15	4xd,-8xd	4xd
83	40 - 60	0.02-0.035	0.03-0.045	0.04-0.055	0.05-0.065	2xd,-3xd	3xd
91	50 - 80	0.02-0.035	0.03-0.045	0.04-0.055	0.05-0.065	2xd,-3xd	3xd
92	50 - 80	0.02-0.035	0.03-0.045	0.04-0.055	0.05-0.065	2xd,-3xd	3xd
93	40 - 60	0.02-0.035	0.03-0.045	0.04-0.055	0.05-0.065	2xd,-3xd	3xd
94	40 - 60	0.02-0.035	0.03-0.045	0.04-0.055	0.05-0.065	2xd,-3xd	3xd

FZ315VS



Vc
(m/min) Guide Line
Ø 2.01 - 5.4

Revêtu
Rivestito

Avance f
(mm/tour)

Avanzamento f
(mm/giro)

Ø2.01-3.05

Ø3.06-4.5

Ø4.51-5.4

Qx

80 - 110	0.07-0.12	0.12-0.18	0.18-0.23		11
80 - 110	0.07-0.12	0.12-0.17	0.17-0.22		12
70 - 100	0.07-0.12	0.12-0.17	0.17-0.22		13
70 - 100	0.07-0.12	0.12-0.17	0.17-0.22		14
70 - 100	0.07-0.12	0.12-0.17	0.17-0.22		15
70 - 100	0.07-0.10	0.10-0.14	0.14-0.17		16
60 - 80	0.07-0.10	0.10-0.15	0.14-0.18		17
					18
60 - 80	0.045-0.055	0.055-0.07	0.07-0.10		21
60 - 80	0.045-0.055	0.055-0.07	0.07-0.10		22
60 - 80	0.05-0.065	0.05-0.065	0.06-0.09		23
60 - 80	0.05-0.065	0.05-0.065	0.06-0.09		24
90 - 130	0.10-0.15	0.15-0.20	0.20-0.25		31
80 - 120	0.10-0.14	0.14-0.18	0.18-0.23		32
30 - 40	0.055-0.07	0.055-0.07	0.055-0.07	1/3xd,-1/2xd	41
30 - 40	0.055-0.07	0.055-0.07	0.055-0.07	1/3xd,-1/2xd	42
30 - 40	0.035-0.05	0.035-0.05	0.05-0.08		51
30 - 40	0.035-0.05	0.035-0.05	0.05-0.08		52
30 - 40	0.03-0.04	0.03-0.04	0.04-0.06		53
130 - 180	0.12-0.15	0.15-0.20	0.20-0.25		61
130 - 180	0.12-0.15	0.15-0.20	0.20-0.25		62
80 - 110	0.12-0.15	0.14-0.18	0.18-0.23		63
80 - 110	0.12-0.15	0.14-0.18	0.18-0.23		64
130 - 180	0.12-0.15	0.15-0.20	0.20-0.25		71
130 - 180	0.12-0.15	0.15-0.20	0.20-0.25		72
100 - 130	0.12-0.15	0.14-0.18	0.18-0.23		73
100 - 130	0.12-0.15	0.14-0.18	0.18-0.23		74
130 - 180	0.12-0.15	0.15-0.20	0.20-0.25		81
130 - 180	0.12-0.15	0.15-0.20	0.20-0.25		82
80 - 120	0.07-0.12	0.12-0.18	0.18-0.23		83
130 - 180	0.07-0.12	0.12-0.17	0.17-0.22		91
130 - 180	0.07-0.12	0.12-0.17	0.17-0.22		92
80 - 110	0.07-0.12	0.12-0.17	0.17-0.22		93
80 - 110	0.07-0.12	0.12-0.17	0.17-0.22		94

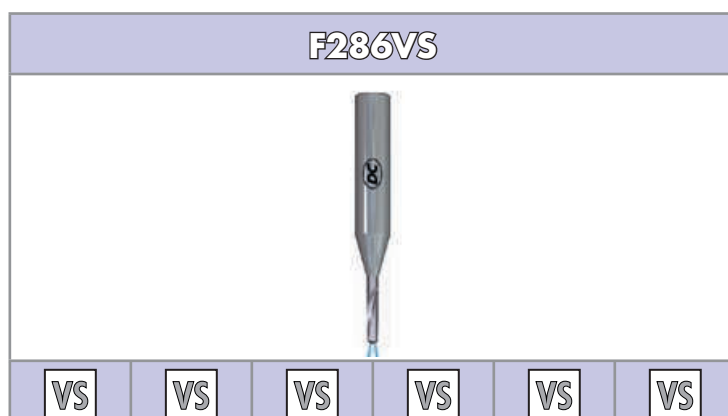
TABELLE D'UTILISATION — TABELLA D'IMPIEGO

DC Classification des matières

DC Classificazione dei materiali

Groupes de matières Gruppi di materiali		Désignation des matières	Designazione dei materiali	Dureté Durezza (HB)	Résistance Resistenza Rm (N/mm ²)	Lubrifiant Lubrificante A (%)
10	Aciers Acciai	11 Aciers de décolletage	Acciai da tornitura	< 200	< 700	 
		12 Aciers de construction ou de cémentation	Acciai da costruzione / da cementazione	< 200	< 700	 
		13 Aciers au carbone	Acciai al carbonio	< 300	< 1000	 
		14 Aciers alliés < 850 N/mm ²	Acciai legati < 850 N/mm ²	< 250	< 850	 
		15 Aciers alliés / traités > 850 - < 1150 N/mm ²	Acciai legati / trattati > 850 - < 1150 N/mm ²	> 250	> 850	 
		16 Aciers haute résistance ≤ 44 HRC	Acciai ad alta resistenza ≤ 44 HRC	> 250	> 850	
		17 Aciers améliorés > 44 - ≤ 54 HRC	Acciai bonificati > 44 - ≤ 54 HRC	> 410	> 1400	
		18 Aciers trempés > 54 - ≤ 63 HRC	Acciai temprati > 54 - ≤ 63 HRC	> 560	> 1980	
20	Aciers inoxydables Acciai inox	21 Aciers inoxydables, soufrés	Acciai inox, allo zolfo	< 250	< 850	 
		22 Austénitiques	Acciai inox, austenitici	< 250	< 850	 
		23 Ferritiques et martensitiques < 850 N/mm ²	Ferritici e martensitici < 850 N/mm ²	< 250	< 850	 
		24 Ferritiques et martensitiques > 850 - < 1150 N/mm ²	Ferritici e martensitici > 850 - < 1150 N/mm ²	> 250	> 850	 
30	Fonte Ghisa	31 Fonte grise	Ghisa grigia	< 250	< 850	
		32 Fonte à graphite sphéroïdale et malléable	Ghisa grafitica sferoidale e malleabile	< 250	< 850	
40	Titane Titanio	41 Titane pur	Titanio puro	< 250	< 850	 
		42 Alliage de titane	Leghe di titanio	> 250	> 850	
50	Nickel Nickel	51 Alliage de nickel 1 ≤ 850 N/mm ²	Leghe di nickel 1 ≤ 850 N/mm ²	< 250	< 850	 
		52 Alliage de nickel 2 > 850 - ≤ 1150 N/mm ²	Leghe di nickel 2 > 850 - ≤ 1150 N/mm ²	> 250	> 850	
		53 Alliage de nickel 3 > 1150 - ≤ 1600 N/mm ²	Leghe di nickel 3 > 1150 - ≤ 1600 N/mm ²	> 340	> 1150	
60	Cuivre Rame	61 Cuivre pur (électrolytique)	Rame puro (elettrolitico)	< 120	< 400	 
		62 Laiton, bronze (copeaux courts)	Ottone, bronzo (trucioli corti)	< 200	< 700	
		63 Laiton (copeaux longs)	Ottone (trucioli lunghi)	< 200	< 700	 
		64 Laiton sans plomb	Ottone senza piombo	< 220	< 700	 
70	Aluminium Magnésium Alluminio Magnesio	71 Al non allié	Alluminio non legato	< 100	< 350	 
		72 Al allié Si < 1.5 %	Leghe di alluminio Si < 1.5 %	< 150	< 500	 
		73 Al allié Si > 1.5 % - < 10 %	Leghe di alluminio Si > 1.5 % - < 10 %	< 120	< 400	 
		74 Al allié Si > 10 %, alliages de magnésium	Leghe di al. Si > 10 %, leghe di magnesio	< 120	< 400	
80	Matières plastiques Materie plastiche	81 Matières thermoplastiques	Materie termoplastiche	-	-	
		82 Matières duroplastiques	Materie termoindurenti	-	-	
		83 Matières plastiques renforcées par fibres	Materie plastiche rinforzate con fibre	-	-	
90	Métaux précieux Metalli preziosi	91 Or jaune	Oro giallo	-	-	
		92 Or rose	Oro rosso	-	-	
		93 Or blanc	Oro bianco	-	-	 
		94 Argent	Argento	-	-	 

MÈCHES F286VS — PUNTE ELICOIDALI F286VS



		F286VS							
		VS	VS	VS	VS	VS	VS		
Vc (m/min) Guide Line		Avance f (mm/tour)			Avanzamento f (mm/giro)				
Revêtu Rivestito		Ø 0.8 - 1.2	Ø 1.21 - 3.0	Ø 3.01 - 6.0	Ø 6.01 - 8.5	Ø 8.51 - 11.0	Ø 11.02 - 14.0		
11	70 - 90	0.015-0.025	0.015-0.025	0.035-0.045	0.11-0.13	0.15-0.17	0.18-0.22	11	
12	70 - 90	0.10-0.20	0.015-0.025	0.035-0.045	0.11-0.13	0.15-0.17	0.18-0.22	12	
13	70 - 90	0.10-0.20	0.015-0.025	0.035-0.045	0.11-0.13	0.15-0.17	0.18-0.22	13	
14	70 - 90	0.10-0.20	0.015-0.025	0.035-0.045	0.11-0.13	0.15-0.17	0.18-0.22	14	
15	60 - 80	0.10-0.20	0.015-0.025	0.035-0.045	0.07-0.09	0.11-0.13	0.15-0.17	15	
16								16	
17								17	
18								18	
21	40 - 60	0.008-0.012	0.015-0.02	0.035-0.04	0.075-0.085	0.095-0.105	0.15-0.16	21	
22	40 - 60	0.008-0.012	0.015-0.02	0.035-0.04	0.075-0.085	0.095-0.105	0.15-0.16	22	
23	40 - 60	0.008-0.012	0.015-0.02	0.035-0.04	0.075-0.085	0.095-0.105	0.15-0.16	23	
24	40 - 60	0.008-0.012	0.015-0.02	0.035-0.04	0.075-0.085	0.095-0.105	0.15-0.16	24	
31								31	
32								32	
41	40 - 80	0.003-0.006	0.008-0.012	0.01-0.018	0.025-0.03	0.055-0.06	0.075-0.085	41	
42								42	
51	30 - 50	0.008-0.012	0.015-0.02	0.035-0.04	0.075-0.085	0.095-0.105	0.11-0.13	51	
52								52	
53								53	
61	70 - 150	0.15-0.25	0.035-0.045	0.055-0.065	0.11-0.13	0.15-0.17	0.18-0.22	61	
62								62	
63	70 - 150	0.15-0.25	0.035-0.045	0.055-0.065	0.11-0.13	0.15-0.17	0.18-0.22	63	
64	70 - 150	0.15-0.25	0.035-0.045	0.055-0.065	0.11-0.13	0.15-0.17	0.18-0.22	64	
71	100 - 160	0.025-0.035	0.045-0.055	0.075-0.085	0.15-0.17	0.22-0.26	0.30-0.34	71	
72	100 - 160	0.025-0.035	0.045-0.055	0.075-0.085	0.15-0.17	0.22-0.26	0.30-0.34	72	
73	60 - 130	0.02-0.03	0.035-0.045	0.055-0.065	0.11-0.13	0.16-0.20	0.22-0.26	73	
74								74	
81								81	
82								82	
83								83	
91								91	
92								92	
93	40 - 60	0.008-0.012	0.015-0.02	0.035-0.04	0.075-0.085	0.095-0.105	0.15-0.16	93	
94	40 - 60	0.008-0.012	0.015-0.02	0.035-0.04	0.075-0.085	0.095-0.105	0.15-0.16	94	

Les valeurs ci-dessus sont indicatives.
I valori sopracitati sono indicativi.



Mèches à centrer en carbure monobloc
Punte da centro in metallo duro integrale

VHM
CAR



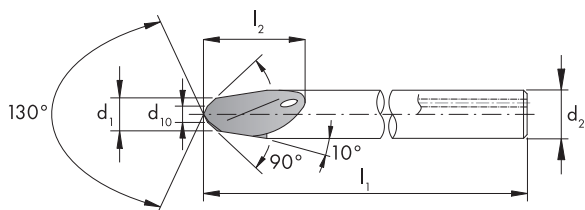
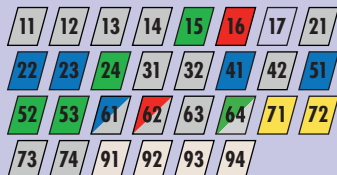
h6

C

C315VS



VS



C315VS



Ø d ₁	l ₁ mm	l ₂ mm	d ₂ h6 mm	d ₁₀ mm	
1.4	40	6	3	0.5	2
2	40	6.2	3	1	2
3	40	6.3	3	1.5	2
4	50	8	4	2	2
6	60	12	6	3	2
8	70	16	8	4	2

ID

- 182872
- 182873
- 182874
- 190331
- 190332
- 190333

Mèches en carbure monobloc
Punte elicoidali in metallo duro integrale

**VHM
CAR**



h6

FZ

FZ315VS



130°

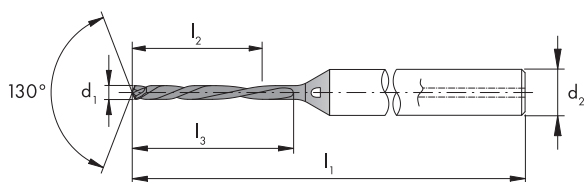
VS

FZ315VS



140°

VS



FZ315VS

FZ315VS

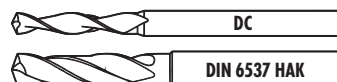


$\emptyset d_1$	D_1 mm	l_1 mm	l_2 mm	l_3 mm	d_2 h6 mm		ID
0.58	M0.8	42	4.6	5.7	3	2	• 182863
0.59	S0.8	42	4.7	5.8	3	2	• 188023
0.65	M0.9	45	5.2	6.4	3	2	• 182864
0.67	S0.9	45	5.4	6.6	3	2	• 188024
0.7	M1	45	5.6	6.9	3	2	• 182865
0.74	S1	45	5.9	7.3	3	2	• 188025
0.9	M1.2	45	7.2	8.8	3	2	• 182866
0.94	S1.2	48	7.5	9.2	3	2	• 188026
1.05	M1.4	48	8.4	10.3	3	2	• 182867
1.09	S1.4	48	8.7	10.7	3	2	• 188027
1.19	M1.6	48	9.5	11.7	3	2	• 182868
1.39	M1.8	52	11.1	13.6	4	2	• 182869
1.54	M2	55	12.3	15.1	4	2	• 182870
1.98	M2.5	55	15.8	19.4	4	2	• 182871
$\emptyset d_1$	D_1 mm	l_1 mm	l_2 mm	l_3 mm	d_2 h6 mm		ID
2.15	UNC4	63	12.9	19.4	4	2	• 190326
2.45	M3	65	14.7	22.1	4	2	• 190321
2.65	UNC6	68	15.9	23.9	4	2	• 190327
2.85	M3.5	68	17.1	25.7	4	2	• 190322
3.25	M4	74	19.5	29.3	6	2	• 190323
3.95	UNF10	78	23.7	35.6	6	2	• 190329
4.1	M5	80	24.6	36.9	6	2	• 190324
4.9	M6	84	29.4	44.1	6	2	• 190325
5	UNC1/4	84	30	45	6	2	• 190328
5.4	UNF1/4	88	32.4	48.6	6	2	• 190330

Mèches en carbure monobloc

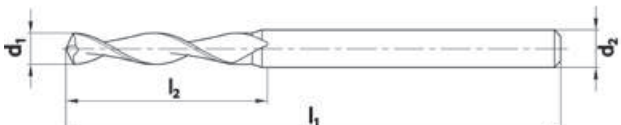
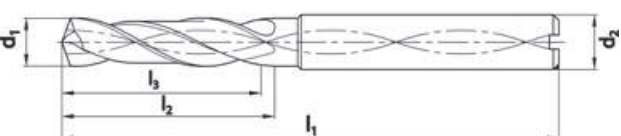
Punte elicoidali in metallo duro integrale

VHM
CAR



HBK
HEK

sur demande
auf Anfrage
on request
su richiesta
sobre pedido
no zozazy

						F313VS	F285VS	F286VS	
F313VS    11 12 13 14 15 21 22 23 24 41 61 63 71 72 73 74						  			
F285VS F286VS    11 12 13 14 15 21 22 23 24 41 51 61 71 72 73 74 93 94						   3 x D 5 x D			
									
$\emptyset d_1$ (h ₇)	d_2 (h ₆) mm	l_1 mm	l_2 mm			ID			
0.88	3	38	8	2	M1	● 158515			
0.9	3	38	10	2	*M1.2	● 159419			
1.08	3	38	10	2	M1.2	● 158516			
1.25	3	38	12	2	M1.4	● 158517			
1.45	3	38	12	2	M1.6	● 158518			
1.65	3	38	12	2	M1.8	● 158519			
1.8	3	38	12	2	M2	● 158520			
1.95	3	38	12	2	UNC2-56	● 158521			
2.3	3	38	16	2	M2.5	● 158522			
2.55	3	38	16	2	UNC4-40	● 158523			
2.8	3	38	16	2	M3	● 158524			
*GWi5000									
									
$\emptyset d_1$ (m ₇)	d_2 (h ₆) mm	l_1 mm	l_2 mm	l_3 mm			ID		
3.25	6	62	20	14	2	M3.5	● 158527		
3.7	6	62	20	14	2	M4	● 158528		
4.65	6	66	24	17	2	M5	● 158532		
5.55	6	66	28	20	2	M6	● 158534		
7.4	8	79	41	29	2	M8	● 158540		
9.3	10	89	47	35	2	M10	● 158544		
11.2	12	102	55	40	2	M12	● 158546		
$\emptyset d_1$ (m ₇)	d_2 (h ₆) mm	l_1 mm	l_2 mm	l_3 mm			ID		
3.3	6	66	28	23	2	M4	● 160989		
4.2	6	74	36	29	2	M5	● 160990		
5	6	82	44	35	2	M6	● 160991		
6.8	8	91	53	43	2	M8	● 160992		
8.5	10	103	61	49	2	M10	● 160993		
10.2	12	118	71	56	2	M12	● 160994		