

MI0627-NR01101

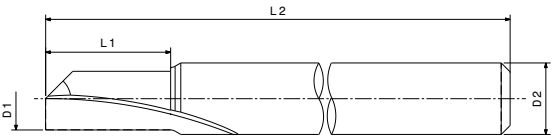
Micro fraise 1 dent rainure droite 3/4
Microfresa 1 dente a dentatura dritta 3/4



DWS	P1	P2	P3	P4	P5	M1	M2	M3	K1	N1	N2
	N3	N4	N5	N6	N7	N8	S1	S2	S3	H1	

DWT									K1	N1	N2
	N3	N4	N5	N6	N7	N8					

VHM					
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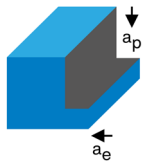
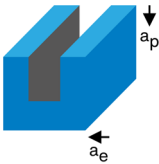


D1 +0.005 / -0.01	L1	D2	L2	Z	DWS Art. N°	DWT Art. N°
0.20	0.40	3	39	1	452673	452708
0.30	0.60	3	39	1	452674	452709
0.40	0.80	3	39	1	452675	452710
0.50	1.00	3	39	1	452676	452711
0.60	1.20	3	39	1	452677	452712
0.70	1.40	3	39	1	452678	452713
0.80	1.60	3	39	1	452679	452714
0.90	1.80	3	39	1	452680	452715
1.00	2.00	3	39	1	452681	452716
1.10	2.20	3	39	1	452682	452717
1.20	2.40	3	39	1	452683	452718
1.30	2.60	3	39	1	452684	452719
1.40	2.80	3	39	1	452685	452720
1.50	3.00	3	39	1	452686	452721
1.60	3.20	3	39	1	452687	452722
1.70	3.40	3	39	1	452688	452723
1.80	3.60	3	39	1	452689	452724
1.90	3.80	3	39	1	452690	452725
2.00	4.00	3	39	1	452691	452726
2.10	4.20	3	39	1	452692	452727
2.20	4.40	3	39	1	452693	452728
2.30	4.60	3	39	1	452694	452729
2.40	4.80	3	39	1	452695	452730
2.50	5.00	3	39	1	452696	452731
2.60	5.20	3	39	1	452697	452732
2.70	5.40	3	39	1	452698	452733
2.80	5.60	3	39	1	452699	452734
2.90	5.80	3	39	1	452700	452735
3.00	6.00	4	40	1	452701	452736
3.50	7.00	4	40	1	452702	452737
4.00	8.00	6	51	1	452703	452738
4.50	9.00	6	51	1	452704	452739
5.00	10.00	6	51	1	452705	452740
5.50	11.00	6	51	1	452706	452741
6.00	12.00	8	59	1	452707	452742

Autres dimensions et revêtements sur demande
Altre dimensioni e rivestimenti su richiesta

MI0627-NR01101

Paramètres de coupe
Parametri di taglio

Application Applicazione	Contournage Contornatura	Rainurage Fresatura di cava
Fonction Funzione		
	$a_p \leq 1 \times D_1$	$a_p \leq 0.5 \times D_1$
	$a_e \leq 0.4 \times D_1$	$a_e 1 \times D_1$
	$V_c \times 1$	$V_c \times 0.7$
	$f_z \times 1$	$f_z \times 0.6$

ISO	V_c [m/min]	f_z [mm]			
		Ø 0.20 - 0.80	Ø 0.90 - 1.20	Ø 1.30 - 2.90	Ø 3.00 - 6.00
P1	60 - 90	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
P2	60 - 90	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
P3	40 - 60	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
P4	30 - 50	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
P5	30 - 50	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
M1	50 - 70	0.003 - 0.008	0.007 - 0.015	0.010 - 0.030	0.015 - 0.035
M2	50 - 70	0.003 - 0.008	0.007 - 0.015	0.010 - 0.030	0.015 - 0.035
M3	50 - 70	0.003 - 0.008	0.007 - 0.015	0.010 - 0.030	0.015 - 0.035
K1	90 - 120	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N1	200 - 250	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N2	200 - 250	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N3	140 - 180	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N4	140 - 180	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N5	110 - 160	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N6	100 - 200	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N7	100 - 200	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N8	200 - 250	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
S1	30 - 50	0.003 - 0.008	0.008 - 0.015	0.015 - 0.030	0.025 - 0.045
S2	25 - 35	0.003 - 0.008	0.008 - 0.015	0.015 - 0.030	0.025 - 0.045
S3	30 - 50	0.003 - 0.008	0.008 - 0.015	0.015 - 0.030	0.025 - 0.045
H1	25 - 35	0.002 - 0.004	0.003 - 0.005	0.004 - 0.006	0.005 - 0.008
H2					

Valeurs indicatives
Valori indicativi

MIO110-NR01101

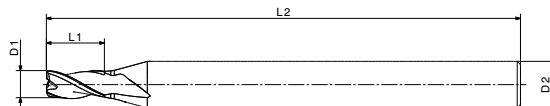
Micro fraise
Microfresa



DWS	P1	P2	P3	P4	P5	M1	M2	M3	K1	N1	N2
	N3	N4	N5	N6	N7	N8	S1	S2	S3	H1	

DWT									K1	N1	N2
	N3	N4	N5	N6	N7	N8					

VHM		h5		30°	2xD	90°
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D1 +0.005 / -0.01	L1	D2 h5	L2	Z	DWS Art. N°	DWT Art. N°
0.30	0.60	3	39	3	443445	443479
0.40	0.80	3	39	3	443446	443480
0.50	1.00	3	39	3	443447	443481
0.60	1.20	3	39	3	443448	443482
0.70	1.40	3	39	3	443449	443484
0.75	1.50	3	39	3	443450	443485
0.80	1.60	3	39	3	443451	443486
0.90	1.80	3	39	3	443452	443487
1.00	2.00	3	39	3	443453	443488
1.10	2.20	3	39	3	443454	443489
1.20	2.40	3	39	3	443455	443490
1.30	2.60	3	39	3	443456	443491
1.40	2.80	3	39	3	443457	443492
1.50	3.00	3	39	3	443458	443493
1.60	3.20	3	39	3	443459	443494
1.70	3.40	3	39	3	443460	443495
1.80	3.60	3	39	3	443461	443496
1.90	3.80	3	39	3	443462	443497
2.00	4.00	3	39	3	443463	443499
2.10	4.20	3	39	3	443464	443500
2.20	4.40	3	39	3	443465	443501
2.30	4.60	3	39	3	443466	443502
2.40	4.80	3	39	3	443467	443503
2.50	5.00	3	39	3	443468	443504
2.60	5.20	3	39	3	443469	443505
2.70	5.40	3	39	3	443470	443506
2.80	5.60	3	39	3	443471	443507
2.90	5.80	3	39	3	443472	443508
3.00	6.00	5	51	3	443475	443509
4.00	8.00	5	51	3	443476	443510
5.00	10.00	6	58	3	443477	443511
6.00	12.00	6	58	3	443478	443512

Autres dimensions et revêtements sur demande
Altre dimensioni e rivestimenti su richiesta

MI0110-NR01101

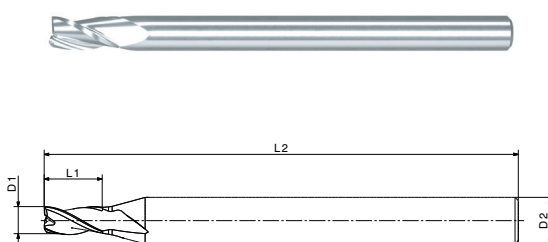
Micro fraise
Microfresa



DWS	P1	P2	P3	P4	P5	M1	M2	M3	K1	N1	N2
	N3	N4	N5	N6	N7	N8	S1	S2	S3	H1	

DWT									K1	N1	N2
	N3	N4	N5	N6	N7	N8					

VHM								
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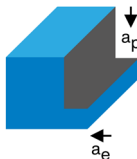
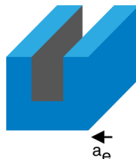
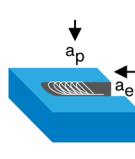
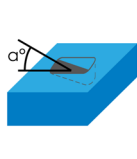
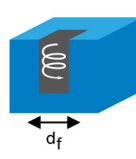


D1 +0.005 / -0.01	L1	D2	L2	Z	DWS Art. N°	DWT Art. N°
0.30	0.90	3	39	3	443516	443573
0.40	1.20	3	39	3	443517	443574
0.50	1.50	3	39	3	443518	443575
0.60	1.80	3	39	3	443519	443576
0.70	2.10	3	39	3	443520	443577
0.75	2.30	3	39	3	443521	443578
0.80	2.40	3	39	3	443522	443579
0.90	2.70	3	39	3	443523	443580
1.00	3.00	3	39	3	443524	443581
1.10	3.30	3	39	3	443525	443582
1.20	3.60	3	39	3	443526	443583
1.30	3.90	3	39	3	443539	443584
1.40	4.20	3	39	3	443540	443585
1.50	4.50	3	39	3	443541	443586
1.60	4.80	3	39	3	443542	443587
1.70	5.10	3	39	3	443543	443588
1.80	5.40	3	39	3	443544	443589
1.90	5.70	3	39	3	443545	443590
2.00	6.00	3	39	3	443546	443591
2.10	6.30	3	39	3	443547	443592
2.20	6.60	3	39	3	443548	443593
2.30	6.90	3	39	3	443549	443594
2.40	7.20	3	39	3	443550	443595
2.50	7.50	3	39	3	443551	443596
2.60	7.80	3	39	3	443552	443597
2.70	8.10	3	39	3	443553	443598
2.80	8.40	3	39	3	443554	443599
2.90	8.70	3	39	3	443555	443600
3.00	9.00	5	51	3	443556	443601
4.00	12.00	5	51	3	443557	443602
5.00	15.00	6	58	3	443558	443603
6.00	18.00	6	58	3	443559	443604

Autres dimensions et revêtements sur demande
Altre dimensioni e rivestimenti su richiesta

MIO110-NR01101

Paramètres de coupe
Parametri di taglio

Application Applicazione	Contournage Contornatura	Rainurage Fresatura di cava	Trochoidale Fresatura trocoidale	Rampe Fresatura in rampa	Interpolation hélicoïdal Interpolazione elicoidale				
Fonction Funzione									
a _p	≤1xD ₁	a _p	≤0.5xD ₁	a _p	≤1.5xD ₁	Angle	8°	Angle	8°
a _e	≤0.4xD ₁	a _e	1xD ₁	a _e	≤0.2xD ₁	a _p	≤1xD ₁	D _f	1.7xD ₁
V _c	x1	V _c	x0.7	V _c	x1.2	f _z	x0.7		
f _z	x1	f _z	x0.6	f _z	x1.2				

		f _z [mm]			
ISO	V _c [m/min]	Ø 0.30 - 0.80	Ø 0.90 - 1.20	Ø 1.30 - 2.90	Ø 3.00 - 6.00
P1	60 - 90	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
P2	60 - 90	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
P3	40 - 60	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
P4	30 - 50	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
P5	30 - 50	0.004 - 0.009	0.008 - 0.020	0.015 - 0.030	0.020 - 0.040
M1	50 - 70	0.003 - 0.008	0.007 - 0.015	0.010 - 0.030	0.015 - 0.035
M2	50 - 70	0.003 - 0.008	0.007 - 0.015	0.010 - 0.030	0.015 - 0.035
M3	50 - 70	0.003 - 0.008	0.007 - 0.015	0.010 - 0.030	0.015 - 0.035
K1	90 - 120	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N1	200 - 250	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N2	200 - 250	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N3	140 - 180	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N4	140 - 180	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N5	110 - 160	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N6	100 - 200	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N7	100 - 200	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
N8	200 - 250	0.004 - 0.009	0.008 - 0.025	0.020 - 0.040	0.030 - 0.060
S1	30 - 50	0.003 - 0.008	0.008 - 0.015	0.015 - 0.030	0.025 - 0.045
S2	25 - 35	0.003 - 0.008	0.008 - 0.015	0.015 - 0.030	0.025 - 0.045
S3	30 - 50	0.003 - 0.008	0.008 - 0.015	0.015 - 0.030	0.025 - 0.045
H1	25 - 35	0.002 - 0.004	0.003 - 0.005	0.004 - 0.006	0.005 - 0.008
H2					

Valeurs indicatives
Valori indicativi

MI0110-NR01102

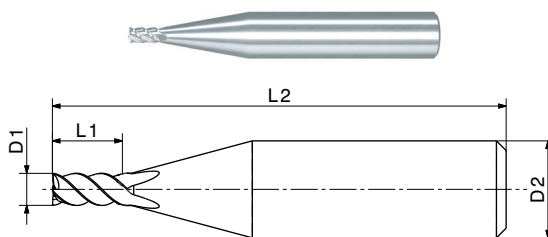
Micro fraise de finition
Microfresa di finitura



DWS	P1	P2	P3	P4	P5	M1	M2	M3	K1	N1	N2
	N3	N4	N5	N6	N7	N8	S1	S2	S3	H1	

DWT									K1	N1	N2
	N3	N4	N5	N6	N7	N8					

VHM		h5		45°	2xD	90°
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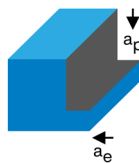
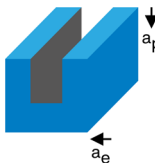
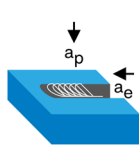
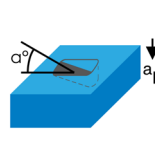
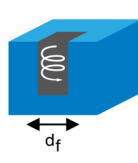


D1 h10	L1	D2	L2	Z	DWS Art. N°	DWT Art. N°
0.50	1.00	6	40	4	452743	452774
0.60	1.20	6	40	4	452744	452775
0.70	1.40	6	40	4	452745	452776
0.80	1.60	6	40	4	452746	452777
0.90	1.80	6	40	4	452747	452778
1.00	2.00	6	40	4	452748	452779
1.10	2.20	6	40	4	452749	452780
1.20	2.40	6	40	4	452750	452781
1.30	2.60	6	40	4	452751	452782
1.40	2.80	6	40	4	452752	452783
1.50	3.00	6	40	4	452753	452784
1.60	3.20	6	40	4	452754	452785
1.70	3.40	6	40	4	452755	452786
1.80	3.60	6	40	4	452756	452787
1.90	3.80	6	40	4	452757	452788
2.00	4.00	6	40	4	452758	452789
2.10	4.20	6	40	4	452759	452790
2.20	4.40	6	40	4	452760	452791
2.30	4.60	6	40	4	452761	452792
2.40	4.80	6	40	4	452762	452793
2.50	5.00	6	40	4	452763	452794
2.60	5.20	6	40	4	452764	452795
2.70	5.40	6	40	4	452765	452796
2.80	5.60	6	40	4	452766	452797
2.90	5.80	6	40	4	452767	452798
3.00	6.00	6	40	4	452768	452799
3.50	7.00	6	40	4	452769	452800
4.00	8.00	6	40	4	452770	452801
4.50	9.00	6	40	4	452771	452802
5.00	10.00	6	40	4	452772	452803
6.00	12.00	6	40	4	452773	452804

Autres dimensions et revêtements sur demande
Altre dimensioni e rivestimenti su richiesta

MI0110-NR01102

Paramètres de coupe
Parametri di taglio

Application Applicazione		Contournage Contornatura		Rainurage Fresatura di cava		Trochoïdale Fresadura trocoidale		Rampe Fresatura in rampa		Interpolation hélicoïdal Interpolazione elicoidale	
Fonction Funzione											
		ap	≤1xD1	ap	≤0.5xD1	ap	≤1.5xD1	Angle	8°	Angle	8°
		ae	≤0.4xD1	ae	1xD1	ae	≤0.2xD1	ap	≤1xD1	Df	≤1xD1
		Vc	x1	Vc	x0.7	Vc	x1.2	fz	x0.7		
		fz	x1	fz	x0.6	fz	x1.2				
fz [mm]											
ISO	Vc [m/min]	Ø 0.50 - 0.80		Ø 0.90 - 1.20		Ø 1.30 - 2.90		Ø 3.00 - 6.00			
P1	60 - 90	0.004 - 0.009		0.008 - 0.020		0.015 - 0.030		0.020 - 0.040			
P2	60 - 90	0.004 - 0.009		0.008 - 0.020		0.015 - 0.030		0.020 - 0.040			
P3	40 - 60	0.004 - 0.009		0.008 - 0.020		0.015 - 0.030		0.020 - 0.040			
P4	30 - 50	0.004 - 0.009		0.008 - 0.020		0.015 - 0.030		0.020 - 0.040			
P5	30 - 50	0.004 - 0.009		0.008 - 0.020		0.015 - 0.030		0.020 - 0.040			
M1	50 - 70	0.003 - 0.008		0.007 - 0.015		0.010 - 0.030		0.015 - 0.035			
M2	50 - 70	0.003 - 0.008		0.007 - 0.015		0.010 - 0.030		0.015 - 0.035			
M3	50 - 70	0.003 - 0.008		0.007 - 0.015		0.010 - 0.030		0.015 - 0.035			
K1	90 - 120	0.004 - 0.009		0.008 - 0.025		0.020 - 0.040		0.030 - 0.060			
N1	200 - 250	0.004 - 0.009		0.008 - 0.025		0.020 - 0.040		0.030 - 0.060			
N2	200 - 250	0.004 - 0.009		0.008 - 0.025		0.020 - 0.040		0.030 - 0.060			
N3	140 - 180	0.004 - 0.009		0.008 - 0.025		0.020 - 0.040		0.030 - 0.060			
N4	140 - 180	0.004 - 0.009		0.008 - 0.025		0.020 - 0.040		0.030 - 0.060			
N5	110 - 160	0.004 - 0.009		0.008 - 0.025		0.020 - 0.040		0.030 - 0.060			
N6	100 - 200	0.004 - 0.009		0.008 - 0.025		0.020 - 0.040		0.030 - 0.060			
N7	100 - 200	0.004 - 0.009		0.008 - 0.025		0.020 - 0.040		0.030 - 0.060			
N8	200 - 250	0.004 - 0.009		0.008 - 0.025		0.020 - 0.040		0.030 - 0.060			
S1	30 - 50	0.003 - 0.008		0.008 - 0.015		0.015 - 0.030		0.025 - 0.045			
S2	25 - 35	0.003 - 0.008		0.008 - 0.015		0.015 - 0.030		0.025 - 0.045			
S3	30 - 50	0.003 - 0.008		0.008 - 0.015		0.015 - 0.030		0.025 - 0.045			
H1	25 - 35	0.002 - 0.004		0.003 - 0.005		0.004 - 0.006		0.005 - 0.008			
H2											

Valeurs indicatives
Valori indicativi