



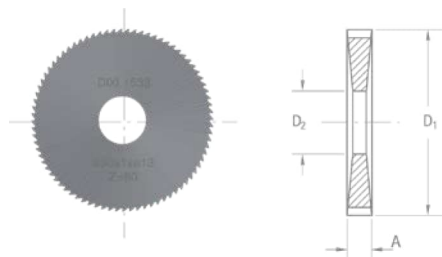
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SLITTING SAWS FINE PITCH TEETH



- Fine pitch slitting saws developed for medium depth grooving. For optimal performance, it is recommended to have 3 to 5 teeth in material.

○ good ⊗ excellent

ISO	P													M				K					
Materials description	Unalloyed steel					Low alloyed steel				High alloyed steel		Martensitic stainless steel		Austenitic stainless steel (DUPLEX / PH)				Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	14.4	15	16	17	18	19	20
Recommendations	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	○	○	○	○	○	○	⊗	⊗	○	○	○	○

ISO	N												S					H			
Materials description	Wrought aluminium alloy		Cast aluminium alloy			Cu + Pb alloy	Cu alloy difficult	Gold, Silver	Graphite	Plastic	Wood	Special alloy Ni / Co			Titanium, titanium alloy		Hardened steel		Hard cast iron		
VDI 3323	21	22	23	24	25	26	27	28	-	-	29	30	31	32	33-35	36	37	38	39	40	41
Recommendations	○	○	○	○	○	⊗	⊗	⊗	⊗		○	○	○	○	○	⊗	⊗				

D _{1 js12}	A _{± 0.01}	D _{2 H6}	Z	CARBIDE
15	0.20	5	64	36382
15	0.25	5	64	35635
15	0.30	5	48	3707
15	0.40	5	48	3708
15	0.50	5	48	613
15	0.60	5	40	5453
15	0.70	5	40	6183
15	0.80	5	40	3244
15	0.90	5	40	3245
15	1.00	5	40	614
15	1.10	5	32	43250
15	1.20	5	32	37174
15	1.50	5	32	40710
15	1.60	5	32	40711
15	1.80	5	32	40713
15	2.00	5	32	37175
20	0.20	5	80	617
20	0.25	5	64	618
20	0.30	5	64	34590
20	0.40	5	64	1659
20	0.50	5	48	18560
20	0.60	5	48	36647
20	0.70	5	48	39659
20	0.80	5	48	627
20	0.90	5	48	623
20	1.00	5	40	35565
20	1.10	5	40	2689
20	1.20	5	40	38141
20	1.30	5	40	3407

D _{1 js12}	A _{± 0.01}	D _{2 H6}	Z	CARBIDE
20	1.40	5	40	3408
20	1.50	5	40	624
20	1.60	5	40	3010
20	1.80	5	40	23600
20	2.00	5	32	625
20	2.50	5	32	36690
20	3.00	5	32	626
25	0.15	8	80	42274
25	0.20	8	80	61804
25	0.20	8	80	1660
25	0.25	8	80	3249
25	0.30	8	80	2421
25	0.35	8	80	1688
25	0.40	8	64	37661
25	0.50	8	64	14254
25	0.60	8	64	630
25	0.70	8	64	36365
25	0.80	8	48	632
25	0.90	8	48	633
25	1.00	8	48	634
25	1.10	8	48	2422
25	1.20	8	48	3250
25	1.30	8	48	3410
25	1.40	8	48	3412
25	1.50	8	40	35450
25	1.60	8	40	3413
25	1.80	8	40	3414
25	2.00	8	40	636
25	2.50	8	40	637

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D _{1 js12}	A _{± 0.01}	D _{2 H6}	Z	CARBIDE
25	3.00	8	32	38971
25	4.00	8	32	3728
30	0.20	8	100	14689
30	0.25	8	100	4262
30	0.30	8	80	638
30	0.40	8	80	639
30	0.50	8	80	18429
30	0.60	8	64	18375
30	0.70	8	64	37731
30	0.80	8	64	35516
30	0.90	8	64	36052
30	1.00	8	64	2376
30	1.10	8	48	35420
30	1.20	8	48	36384
30	1.30	8	48	3417
30	1.40	8	48	2424
30	1.50	8	48	2924
30	1.60	8	48	3418
30	1.70	8	48	5948
30	1.80	8	48	6362
30	2.00	8	48	645
30	2.50	8	40	6361
30	3.00	8	40	3419
30	4.00	8	40	33482
30	5.00	8	32	35095
40	0.20	10	128	24084
40	0.25	10	100	22049
40	0.30	10	100	35370
40	0.40	10	100	4690
40	0.50	10	80	648
40	0.60	10	80	677
40	0.70	10	80	649
40	0.80	10	80	35444
40	0.90	10	80	35369
40	1.00	10	64	653
40	1.10	10	64	3253
40	1.20	10	64	36049
40	1.30	10	64	43352
40	1.40	10	64	3422
40	1.50	10	64	36050
40	1.60	10	64	36051
40	1.70	10	64	6170
40	1.80	10	64	3424
40	2.00	10	48	656
40	2.50	10	48	36648

D _{1 js12}	A _{± 0.01}	D _{2 H6}	Z	CARBIDE
40	3.00	10	48	658
40	4.00	10	40	3737
40	5.00	10	40	35097
50	0.20	13	128	36385
50	0.25	13	128	3426
50	0.30	13	128	659
50	0.40	13	100	35234
50	0.50	13	100	31880
50	0.60	13	100	3030
50	0.70	13	100	2957
50	0.80	13	80	661
50	0.90	13	80	3255
50	1.00	13	80	662
50	1.10	13	80	1663
50	1.20	13	80	2536
50	1.30	13	80	3429
50	1.40	13	80	43114
50	1.50	13	64	37517
50	1.60	13	64	663
50	1.70	13	64	8001
50	1.80	13	64	36336
50	2.00	13	64	37806
50	2.50	13	64	37732
50	3.00	13	48	35636
50	4.00	13	48	667
50	5.00	13	48	35109
63	0.30	16	128	5398
63	0.40	16	128	669
63	0.50	16	128	2969
63	0.60	16	100	2634
63	0.70	16	100	3207
63	0.80	16	100	36739
63	0.90	16	100	36386
63	1.00	16	100	671
63	1.20	16	80	35233
63	1.40	16	80	5093
63	1.50	16	80	2774
63	1.60	16	80	676
63	1.70	16	80	3432
63	1.80	16	80	3433
63	2.00	16	80	672
63	2.50	16	64	673
63	3.00	16	64	674
63	4.00	16	64	3748
63	5.00	16	48	31882



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D_{1js12}	$A_{\pm 0.01}$	D_{2H6}	Z	CARBIDE
80	0.80	22	128	35817
80	0.90	22	100	46466
80	1.00	22	100	679
80	1.20	22	100	680
80	1.50	22	100	35721
80	1.60	22	100	19241
80	1.80	22	100	14115
80	2.00	22	80	17745
80	2.50	22	80	4030
80	3.00	22	80	684
80	4.00	22	64	21256
80	5.00	22	64	35122
100	0.80	22	128	685
100	1.00	22	128	35816
100	1.20	22	128	38383
100	1.50	22	100	36363
100	1.60	22	100	3438
100	1.80	22	100	6057
100	2.00	22	100	36048
100	2.50	22	100	689
100	3.00	22	80	36364
100	4.00	22	80	35138
100	5.00	22	80	35136
125	1.00	22	160	30687
125	1.20	22	128	35141
125	1.50	22	128	34954
125	2.00	22	128	34827
125	3.00	22	100	35294
160	1.20	32	160	34523
160	1.50	32	160	35299



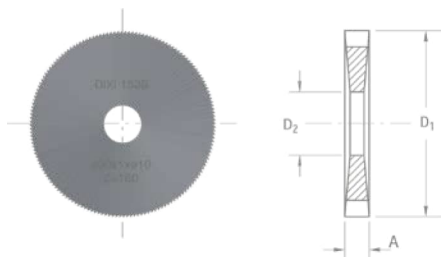
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SLITTING SAWS EXTRA FINE TEETH



- Extra fine teeth slitting saws developed for shallow grooving. For optimal performance, it is recommended to have 3 to 5 teeth in material.
- A typical application is the milling of watch screw slots.

○ good ⊗ excellent

ISO	P													M				K					
Materials description	Unalloyed steel					Low alloyed steel				High alloyed steel		Martensitic stainless steel		Austenitic stainless steel (DUPLEX/PH)				Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	14.4	15	16	17	18	19	20
Recommendations	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	○	○	○	○	○	○	⊗	⊗	○	○	○	○

ISO	N													S				H			
Materials description	Wrought aluminium alloy		Cast aluminium alloy			Cu + Pb alloy	Cu alloy difficult	Gold, Silver	Graphite	Plastic	Wood	Special alloy Ni / Co				Titanium, titanium alloy		Hardened steel		Hard cast iron	
VDI 3323	21	22	23	24	25	26	27	28	-	-	29	30	31	32	33-35	36	37	38	39	40	41
Recommendations	○	○	○	○	○	⊗	⊗	⊗	⊗		○	○	○	○	○	⊗	⊗				

D _{±0.03}	A _{±0.005}	D _{2 H6}	Z	CARBIDE
10	0.10	3	60	964494
10	0.11	3	60	964499
10	0.12	3	60	964500
10	0.13	3	60	964501
10	0.14	3	60	964502
10	0.15	3	60	964503
10	0.16	3	60	964504
10	0.17	3	60	964505
10	0.18	3	60	964506
10	0.19	3	60	964507
10	0.20	3	60	964508
10	0.22	3	60	965568
10	0.24	3	60	963179
15	0.08	5	80	45005
15	0.10	5	80	40599
15	0.11	5	80	57238
15	0.12	5	80	23559
15	0.13	5	80	46325
15	0.14	5	80	38354
15	0.15	5	80	40588
15	0.16	5	80	28784
15	0.17	5	80	57240
15	0.18	5	80	27224
15	0.19	5	80	46858
15	0.20	5	80	19385
15	0.21	5	80	66021
15	0.22	5	80	60191
15	0.23	5	80	58358
15	0.24	5	80	950356

D _{±0.03}	A _{±0.005}	D _{2 H6}	Z	CARBIDE
15	0.25	5	80	19823
15	0.30	5	80	26517
15	0.35	5	80	40299
15	0.40	5	80	19825
15	0.50	5	80	19826
15	0.60	5	80	40300
15	0.70	5	80	40301
15	0.80	5	80	40302
15	0.90	5	80	40303
15	1.00	5	80	26518
15	1.10	5	80	40304
15	1.20	5	80	40305
15	1.40	5	80	40306
15	1.50	5	80	33843
20	0.12	5	100	40314
20	0.14	5	100	40307
20	0.15	5	100	43684
20	0.16	5	100	4913
20	0.18	5	100	16032
20	0.20	5	100	4914
20	0.25	5	100	28665
20	0.30	5	100	28340
20	0.35	5	100	40317
20	0.40	5	100	38355
20	0.50	5	100	35628
20	0.60	5	100	40320
20	0.70	5	100	40322
20	0.80	5	100	40324
20	0.90	5	100	40326