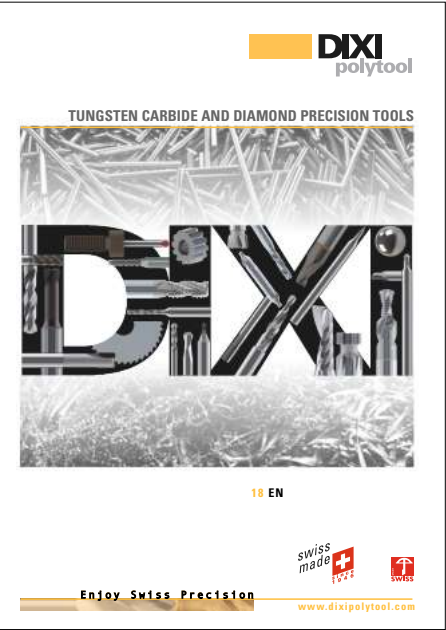


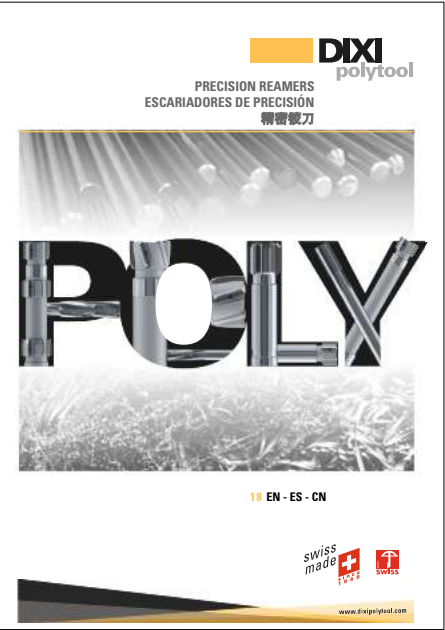
CUTTING TOOLS DEDICATED TO THE MACHINING OF PLASTIC, COMPOSITES AND ALUMINUM



Tungsten carbide and diamond
precision tools



Precision reamers



Thread gauges



PCD and diamond tools



DIXI POLYTOOL, partner of Swiss athlete KARIEM HUSSEIN



SINGLE FLUTE END MILLS



2-5

ENGRAVING TOOLS



6-9

SLOT DRILLS



10-12

BALL-NOSE END MILLS



13-14

ROUGHING END MILLS



14-16

**CHAMFERING,
SLOTING, FOLDING END MILLS**



16-22

PCD END MILLS



23-25

FACE MILLING CUTTERS



25-26

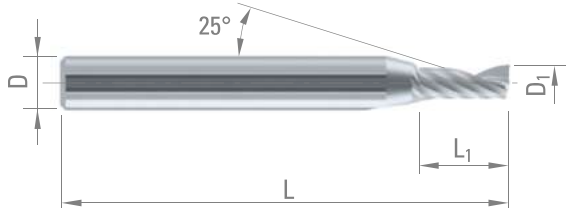
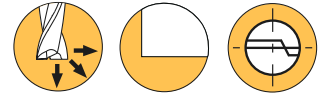
ER COLLETS



26-27

SINGLE FLUTE END MILLS FOR PLASTIC RIGHT HAND SPIRAL

Z = 1



Roughing



Finishing



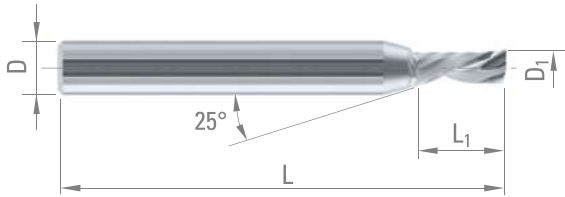
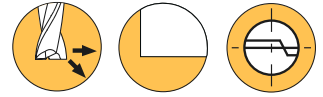
D _{1 e8}	D _{h5}	L ₁	L	CARBIDE
1.00	3.0	4.0	30	372568
		4.0	38	372569
1.50	3.0	6.0	30	372570
		6.0	38	372571
1.50	3.0	8.0	60	372572
2.00	2.0	8.0	30	372573
		8.0	30	372574
2.00	3.0	8.0	38	372575
		8.0	60	372576
2.00	4.0	8.0	60	372577
2.00	6.0	8.0	50	372578
		8.0	50	372579
2.50	2.5	8.0	38	372579
		8.0	30	372580
2.50	3.0	8.0	38	372581
		8.0	60	372582
3.00	3.0	8.0	60	372583
		10.0	30	372584
3.00	3.0	10.0	38	372585
		15.0	50	372586
3.00	4.0	8.0	60	372587
		10.0	40	372588
3.00	4.0	15.0	50	372589
		10.0	50	372590
3.00	6.0	10.0	60	372591
		12.0	60	372592
3.50	3.5	20.0	60	372593
		12.0	50	372594
3.50	4.0	10.0	60	372595
		12.0	50	372596
3.50	5.0	12.0	50	376933
		8.0	50	376934
4.00	4.0	12.0	50	372597
		12.0	60	372598
4.00	4.0	16.0	60	372599
		22.0	60	372600
4.00	4.0	25.0	60	376935
		30.0	70	372601
4.00	6.0	12.0	50	372602
		12.0	60	372603
4.00	6.0	12.0	80	372604
		12.0	101	376936
5.00	5.0	21.0	60	372605
		16.0	50	372606
5.00	5.0	16.0	60	372607
		30.0	70	372608

D _{1 e8}	D _{h5}	L ₁	L	CARBIDE
5.00	6.0	12.0	60	376937
		16.0	60	372609
5.00	6.0	20.0	60	372610
		25.0	60	372611
5.00	8.0	25.0	80	372612
		12.0	60	376938
6.00	6.0	20.0	50	372613
		20.0	60	372614
6.00	6.0	24.0	70	372615
		30.0	70	372616
6.00	8.0	38.0	80	372617
		20.0	80	372618
6.00	8.0	25.0	80	372619
		30.0	80	372620
6.00	8.0	32.0	80	372621
		38.0	80	372622
8.00	8.0	23.0	60	372623
		25.0	80	372624
8.00	8.0	32.0	80	372625
		33.0	80	372626
10.00	10.0	38.0	80	372627
		24.0	75	372628
12.00	12.0	30.0	75	372629
		30.0	80	372630
12.00	12.0	51.0	100	372631

DIXI 7306

SINGLE FLUTE END MILLS FOR PLASTIC
LEFT HAND SPIRAL, RIGHT HAND CUTTING

Z = 1



Roughing



Finishing



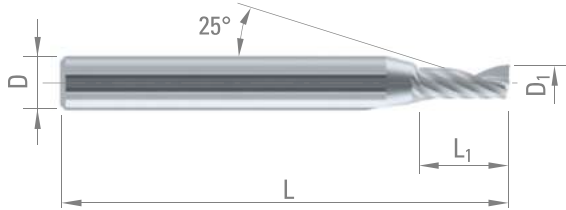
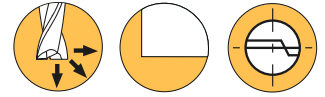
D _{1 e8}	D _{h5}	L ₁	L	CARBIDE
1.00	3.0	4.0	30	379705
		4.0	38	372632
1.50	3.0	6.0	30	379706
		6.0	38	372633
1.50	3.0	8.0	60	372634
2.00	2.0	8.0	30	372635
		8.0	30	379707
2.00	3.0	8.0	38	372636
		8.0	60	372637
2.00	4.0	8.0	60	379708
2.00	6.0	8.0	50	379709
		8.0	30	379710
2.50	2.5	8.0	38	379711
		8.0	30	372639
2.50	3.0	8.0	38	372639
		8.0	60	372640
3.00	3.0	8.0	60	372641
		10.0	30	379712
3.00	4.0	10.0	38	372642
		15.0	50	372643
3.00	6.0	8.0	60	372644
		10.0	40	372645
3.50	3.5	10.0	50	372646
		15.0	50	372647
3.50	4.0	10.0	60	372648
		12.0	60	372649
3.50	5.0	10.0	60	372650
		12.0	50	372651
4.00	4.0	12.0	50	372652
		12.0	50	379713
4.00	6.0	12.0	50	379717
		8.0	50	379718
4.00	4.0	12.0	50	372653
		12.0	60	372654
4.00	6.0	16.0	60	372655
		22.0	60	372656
4.00	5.0	25.0	60	379720
		30.0	70	372657
4.00	6.0	12.0	50	372658
		12.0	60	372659
4.00	5.0	12.0	80	372660
		12.0	101	379721
5.00	5.0	21.0	60	379723
		16.0	50	379724
5.00	5.0	16.0	60	372661
		30.0	70	372662

D _{1 e8}	D _{h5}	L ₁	L	CARBIDE
5.00	6.0	12.0	60	379726
		16.0	60	372663
5.00	8.0	20.0	60	372664
		25.0	60	379727
5.00	6.0	25.0	80	372665
		12.0	60	379728
6.00	6.0	20.0	50	372666
		20.0	60	372667
6.00	8.0	24.0	70	372668
		30.0	70	372669
6.00	8.0	38.0	80	372670
		20.0	80	372671
6.00	8.0	25.0	80	372672
		30.0	80	372673
6.00	8.0	32.0	80	379729
		38.0	80	379730
8.00	8.0	23.0	60	372674
		25.0	80	372675
8.00	10.0	32.0	80	379731
		33.0	80	372676
10.00	10.0	38.0	80	372677
		24.0	75	372678
12.00	12.0	30.0	75	372679
		30.0	80	372680
12.00	12.0	51.0	100	379732

DIXI 7307

SINGLE FLUTE END MILLS FOR ALUMINIUM AND COMPOSITES (DIBOND TYPE)

Z = 1



Roughing



Finishing

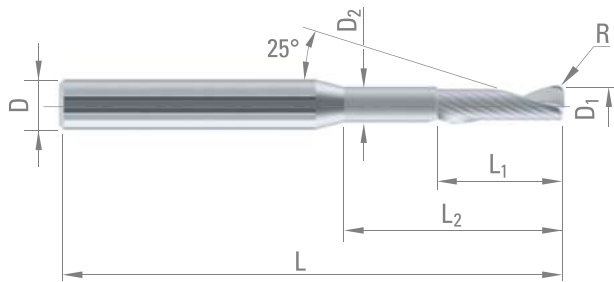


D _{1 e8}	D _{h5}	L ₁	L	CARBIDE	DLC
1.00	3.0	3.0	30	372681	372719
		3.0	38	372682	372720
1.50	3.0	4.0	30	372683	372721
		4.0	38	372684	372722
2.00	3.0	5.0	30	372685	372723
		5.0	38	372686	372724
2.00	6.0	5.0	38	372687	372725
2.50	3.0	6.0	30	372688	372726
		6.0	38	372689	372727
3.00	3.0	5.0	38	372690	372728
		8.0	30	372691	372729
		8.0	38	372692	372730
3.00	4.0	8.0	40	372693	372731
3.00	6.0	10.0	50	372694	372732
		5.0	40	372695	372733
		10.0	50	372696	372734
		20.0	60	372697	372735
		30.0	70	372698	372736
4.00	4.0	5.0	50	381024	381025
		10.0	50	372699	372737
		20.0	60	372700	372738
5.00	5.0	15.0	60	372701	372739
		30.0	70	372702	372740
5.00	6.0	12.0	50	372703	372741
5.00	8.0	25.0	80	372704	372742
		12.0	50	372705	372743
		15.0	70	372706	372744
		21.0	60	372707	372745
		30.0	70	372708	372746
		38.0	80	372709	372747
		12.0	60	372710	372748
6.00	8.0	22.0	80	372711	372749
		30.0	80	372712	372750
		24.0	60	372713	372751
8.00	8.0	38.0	80	372714	372752
		24.0	60	372715	372753
10.00	10.00	30.0	75	372716	372754
		40.0	100	372717	372755
12.00	12.00	30.0	80	372718	372756
		38.0	100	376944	376945

DIXI 7308-xD

SINGLE FLUTE END MILLS, NECKED DOWN,
FOR ALUMINUM PROFILE

Z = 1



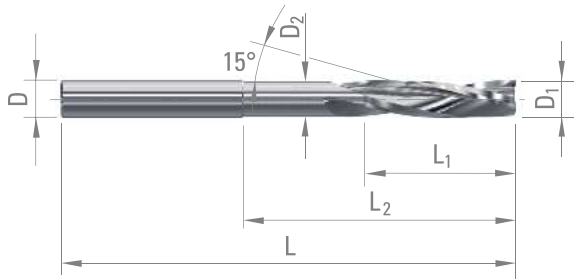
Roughing



Finishing



D _{1 e8}	L ₁	D ₂	L ₂	D _{h5}	L	R	CARBIDE
6.00	20.0	5.6	35	8.0	80	1.5	372757
8.00	22.0	7.6	50	10.0	90	1.5	372758



Foam

Roughing



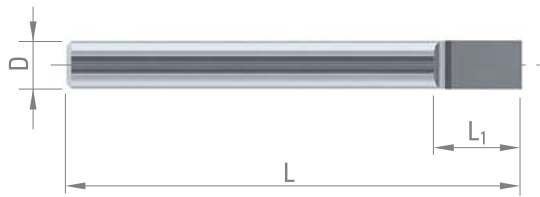
Finishing



D ₁	L ₁	D ₂	L ₂	D	L	CARBIDE
3.00	12.0	2.4	20	3	50	389845
3.00	20.0	2.4	45	3	75	389846
4.00	30.0	3.6	45	4	75	389847
6.00	25.0	5.6	45	6	75	389848
6.00	40.0	5.6	70	6	100	389849
8.00	25.0	7.6	45	8	75	389850
8.00	40.0	7.6	70	8	100	389851
10.00	40.0	9.6	70	10	100	389852
10.00	50.0	9.6	85	10	120	389853
12.00	50.0	11.6	115	12	150	389854

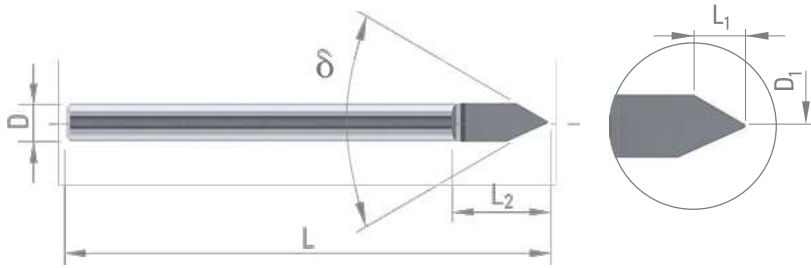
DIXI 7020

ENGRAVING TOOLS, 180°
SEMI-FINISHED STYLE



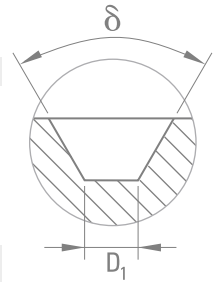
D_{h5}	L_1	L	CARBIDE
2	3	25	35671
3	4	38	35672
4	5	50	35673
5	6	50	35674
6	8	57	35675
8	10	63	35676
10	12	72	35677

1/2 ENGRAVING TOOLS FINISHED STYLE



Steel +Pb	Low alloyed steel	High alloyed steel	DUPLEX stainless steel	Cast iron
Refractory alloy	Titanium, titanium alloy	Cu alloy Silver Gold	Cu alloy difficult to machine	Al
Graphite	Plastic			

δ	L_1	L_2	D_{h6}	L	$D_{1 \pm 0.01}$	CARBIDE	DINAC	DLC*
30°	4.0	5.2	3	38	0.05	961336	962814	961337
					0.10	961338	962813	961339
					0.15	961340	962812	961342
					0.20	961341	962116	961343
30°	10.2	12	6	57	0.20	376946		
					0.30	376947		
					0.50	376949		
40°	7.9	12	6	57	0.20	376950		
50°	3.0	6	3	38	0.05	961326	961327	
					0.08	961328	961333	
					0.10	961329	961332	
					0.15	961330	961334	
					0.20	961331	961335	
60°	2.4	6	3	38	0.05	43536	959712	
					0.08	972400	972401	
					0.10	40939	959713	
					0.15	953721	960610	
					0.20	954292	960611	
60°	3.3	8	3	38	0.05	43537	959714	
					0.10	45813	959716	
					0.20	45814	959717	
90°	1.45	8	3	38	0.05	961246	961248	
					0.10	961247	961249	
120°	0.84	8	3	38	0.05	961322	961323	
					0.10	961324	961325	



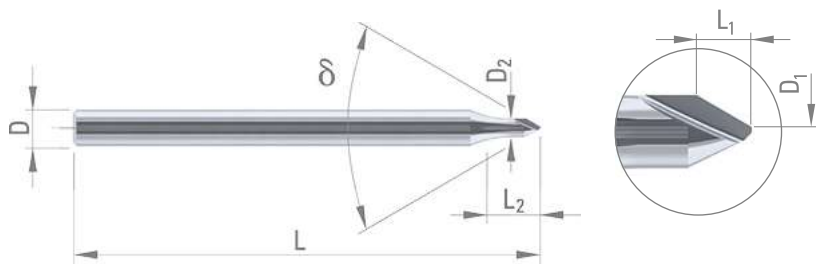
* for non-ferrous material



Ordering examples

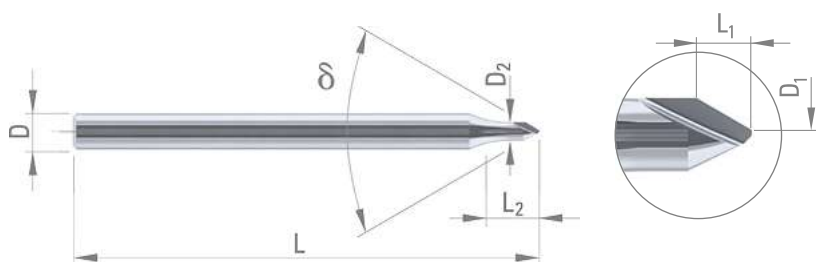
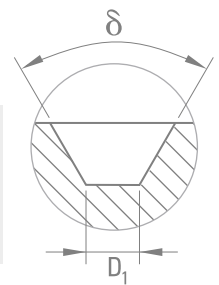
DIXI 7017 / 50° $D_1 = 0.10$ DINAC or Art. 961332 DIXI 7017 / 30° $D_1 = 0.05$ DLC or Art. 961337

3/4 ENGRAVING TOOLS FINISHED STYLE

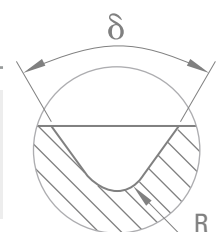


Steel +Pb	Low alloyed steel	High alloyed steel	DUPLEX stainless steel	Steel Cast iron 45-55 HRC
Cast iron	Refractory alloy	Titanium, titanium alloy	Cu alloy Silver Gold	Cu alloy difficult to machine
Al	Graphite	Plastic		

δ	L_1	L_2	D_2	D_{h6}	L	$D_{1\pm0.01}$	CARBIDE	DINAC
30°	2.5	3.4	1.5	3	38	0.05	976370	976374
						0.08	976371	976375
						0.10	976372	976376
						0.15	976373	976377
35°	2.0	3.4	1.5	3	38	0.05	65846	959722
						0.08	961244	961245
						0.10	65848	959724
						0.15	65850	959725
40°	1.7	3.2	1.5	3	38	0.05	961225	961238
						0.08	961242	961243
						0.10	961226	961239
						0.15	961227	961240
50°	1.4	2.3	1.5	3	38	0.05	961228	961241
						0.08	976258	976264
						0.10	976260	976265
						0.15	976261	976266
60°	1.1	2.3	1.5	3	38	0.05	976263	976267
						0.08	976361	976365
						0.10	976362	976366
						0.15	976363	976367
						0.20	976364	976368



δ	L_1	L_2	D_2	D_{h6}	L	$R_{\pm0.01}$	CARBIDE	DINAC
35°	1.9	3.4	1.5	3	38	0.05	51736	959718
						0.10	51625	959719
						0.15	51734	959720
						0.20	51735	959721



Ordering examples

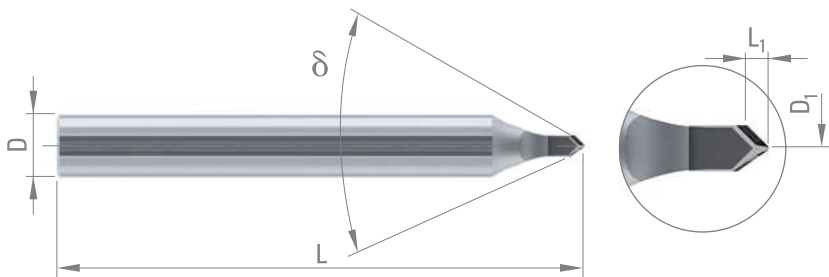
DIXI 7007 / 30° $D_1 = 0.08$ DINAC or Art. 976375

DIXI 7007 / 35° $R = 0.15$ CARBURE or Art. 51734

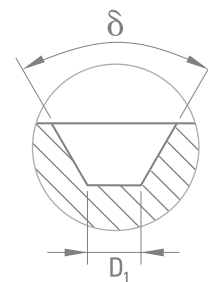


DIXI 70170 DIA

MONOCRISTALLINE DIAMOND ENGRAVING TOOLS



δ	L_1	D_{h5}	L	D_1	DIA
60°	1.40	6	50	0.05	302597
				0.10	302598
90°	0.80	6	50	0.05	302599
				0.10	302600



Cu alloy
Silver
Gold

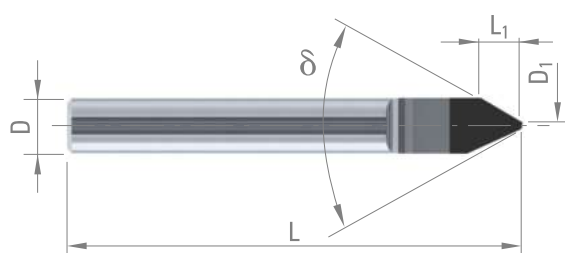
Cu alloy
difficult
to machine

Al

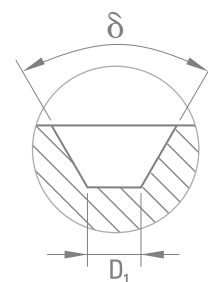
Plastic

DIXI 70170 PCD

PCD ENGRAVING TOOLS



δ	L_1	D_{h5}	L	D_1	PCD
60°	5	6	50	0.10	303081
				0.20	303082
90°	3	6	50	0.10	303083
				0.20	303084



Cu alloy
Silver
Gold

Cu alloy
difficult
to machine

Al

Graphite

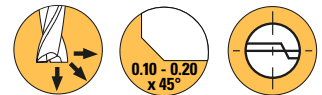
Unsite red
carbide
Ceramics

Plastic

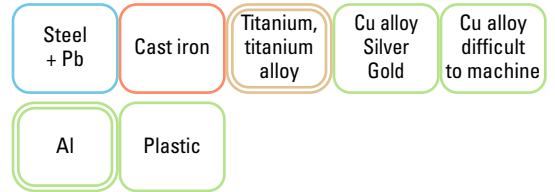
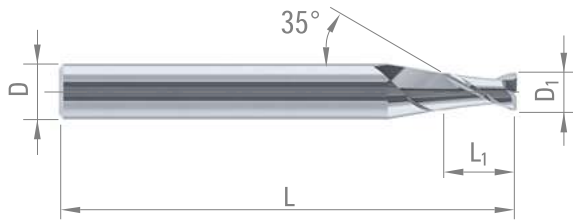
Carbon
fibres

SLOT DRILLS REINFORCED SHANK

Z = 2



$D_1 \geq 2.8$



Roughing



Finishing

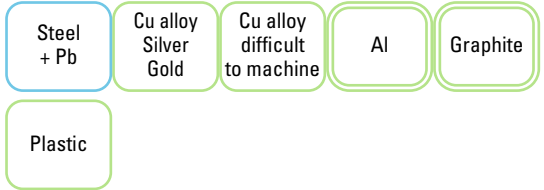
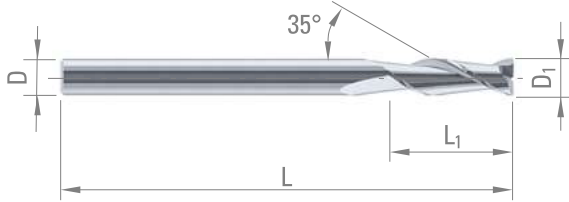
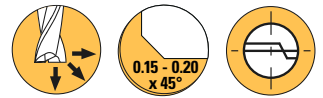


D_1	L_1	D_{h5}	L	CARBIDE	TiAIN
$\emptyset < 2.00 - 0/-0.01$					
$\emptyset < 3.00 - 0/-0.02$					
$\emptyset \geq 3.00 - e8$					
1.00	2.0	3	38	47357	56304
1.50	3.0	3	38	47358	56305
2.00	4.0	4	50	47359	56306
2.50	5.0	4	50	47360	56307
2.80	6.0	6	50	35734	36304
3.00	6.0	6	50	30298	36305
3.80	8.0	6	50	34973	36306
4.00	8.0	6	50	30299	36607
4.50	10.0	6	50	35709	56983
5.00	10.0	6	50	30300	36309
5.50	10.0	6	50	35735	56303
6.00	10.0	6	50	29100	36299
8.00	15.0	8	60	29101	36300
10.00	18.0	10	66	29102	56334
12.00	20.0	12	73	30521	36302
16.00	25.0	16	82	30523	56318
20.00	35.0	20	104	31858	56335

DIXI 7572

SLOT DRILLS, LONG SERIES

Z = 2



Roughing



Finishing



D ₁ e8	L ₁	D _{h5}	L	CARBIDE	TiAlN	DIAMANT*
3.00	14.0	3	50	32484	56320	57045
4.00	16.0	4	50	32485	56321	57046
5.00	18.0	5	60	32486	56322	57047
6.00	20.0	6	75	32487	56337	57048
7.00	22.0	7	75	32488		
8.00	25.0	8	75	32489	56336	57050
10.00	30.0	10	90	32491	56341	
12.00	36.0	12	100	32492	56342	

* for non-ferrous material

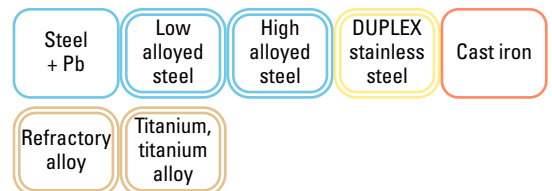
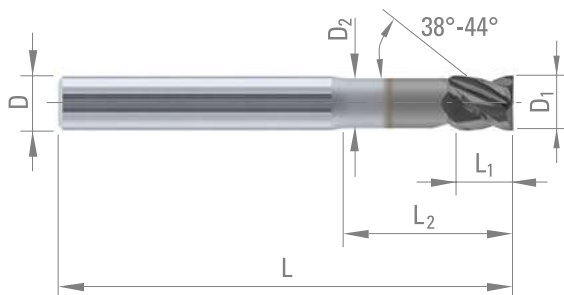
DIXI 7254 CUTINOX

END MILLS WITH VARIABLE HELIX NECKED DOWN

Z = 4



D₁ ≥ 10



Roughing



Finishing



D ₁ e8	L ₁	D ₂	L ₂	D _{h5}	L	CUTINOX
3.00	4.0	2.80	9	6	57	968686
4.00	5.0	3.70	12	6	57	968687
5.00	6.0	4.60	15	6	57	968688
6.00	7.0	5.50	18	8	63	968689
8.00	9.0	7.50	24	10	72	968690
10.00	11.0	9.30	30	10	72	968691
12.00	13.0	11.20	36	12	83	968692
16.00	17.0	15.20	48	16	92	968693

DIXI 7264 - 7264-3D CUTINOX

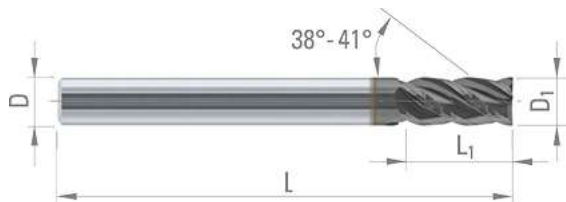
END MILLS WITH VARIABLE HELIX
AND IRREGULAR TEETH

Z = 4

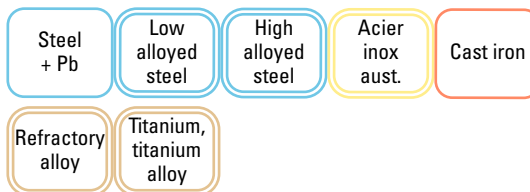


$D_1 \geq 10$

7264



7264-3D



Roughing



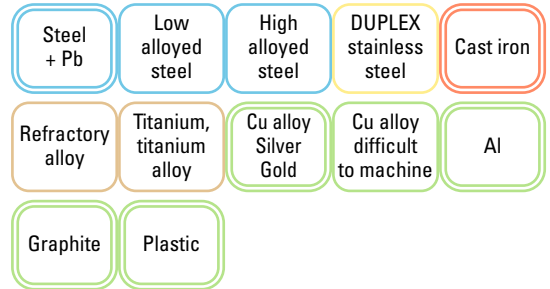
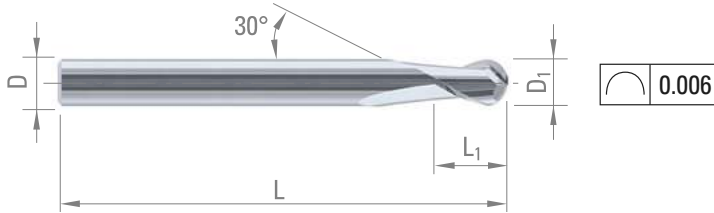
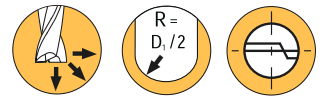
Finishing



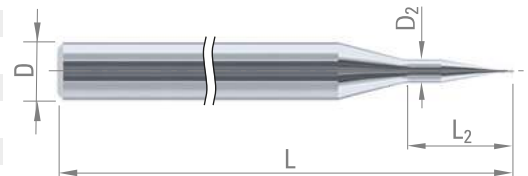
D_1 $\emptyset < 3.00 - 0/-0.02$ $\emptyset \geq 3.00 - e8$	L_1	D_{h5}	L	DIXI	D_2	L_2	CUTINOX
1.50	3.0	3	38	7264	-	-	974805
2.00	4.0	3	38	7264	-	-	974804
3.00	8.0	6	57	7264	-	-	968672
4.00	11.0	6	57	7264	-	-	968678
5.00	13.0	6	57	7264	-	-	968679
6.00	13.0	6	57	7264	-	-	968680
				7264-3D	5.50	18	997930
8.00	19.0	8	63	7264	-	-	968681
				7264-3D	7.50	24	997931
10.00	22.0	10	72	7264	-	-	968682
				7264-3D	9.25	30	997932
12.00	26.0	12	83	7264	-	-	968683
				7264-3D	11.00	36	997933
16.00	32.0	16	92	7264	-	-	968684
				7264-3D	15.00	48	997934
20.00	38.0	20	104	7264	-	-	968685
				7264-3D	19.00	60	997935

BALL-NOSE END MILLS

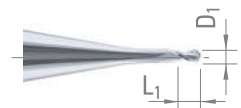
Z = 2



D ₁	L ₁	D _{h5}	L	CARBIDE	TiAIN	DICUT	DIAMANT*	Roughing	Finishing
Ø < 0.30 - 0/-0.01								●●●●●	●●●●●
Ø < 3.00 - 0/-0.02									
Ø ≥ 3.00 - e8									
0.06	0.12	3	38	959060					
0.08	0.16	3	38	959059					
0.10	0.20	3	38	959058					
0.15	0.30	3	38	954665					
0.20	0.30	3	38	952795	952796	952797	952799		
0.25	0.40	3	38	952800	952801	952802	952803		
0.30	0.50	3	38	952804	952805	952806	58852		
0.40	0.60	3	38	952807	952808	952809	952810		
0.50	0.80	3	38	952811	952812	952813	952814		
0.60	0.90	3	38	952815	952816	952817	952818		
0.70	1.10	3	38	952819	952820	952821	950363		
0.80	1.20	3	38	952822	952823	950703	950364		
0.90	1.40	3	38	952825	952826	952824	950365		
1.00	1.50	3	38	952827	952828	952829	952830		
1.10	1.70	3	38	952832	952833	952831	950366		
1.20	1.80	3	38	952835	952836	952834	950367		
1.30	1.90	3	38	952838	952839	952837	950368		
1.40	2.10	3	38	952841	952842	952840	950369		
1.50	2.30	3	38	952843	952846	952845	952844		
1.60	2.50	3	38	55539	955784	956236	956237		
1.70	2.50	3	38	60112	956238	956239	956240		
1.80	2.75	3	38	48747	956241	956242	956243		
1.90	2.75	3	38	57714	956244	956245	956246		
2.00	3.00	3	38	44604	56136	64280	59783		
2.10	3.00	3	38	55540	956247	956248	956249		
2.20	3.50	3	38	48457	956250	956251	956253		
2.30	3.50	3	38	66547	62925	956254	956255		
2.40	3.50	3	38	60788	62926	956256	956257		
2.50	4.00	3	38	44605	56137	64288	60221		
3.00	5.00	3	38	43115	56138	63876	59988		
3.50	6.00	4	50	44607	56139	64289	950370		
4.00	6.00	4	50	34120	56140	64290	59784		
4.50	7.00	5	50	44609	56141	64291	950371		
5.00	8.00	5	50	34748	36172	64292	60222		
5.50	9.00	6	57	44611	56172	64293	950372		
6.00	9.00	6	57	34749	56179	63923	46800		
7.00	11.00	7	60	34740	56176	64294	66878		
8.00	12.00	8	63	43389	36174	64295	58860		
10.00	15.00	10	72	42940	56177	63924	36175		
12.00	18.00	12	73	32387	56173	64296	60223		
16.00	24.00	16	82	32136	56175				
20.00	30.00	20	104		56183				



Pour $D_1 \leq 0.15$:
 $D_2 = 1.20$
 $L_2 = 5.30$

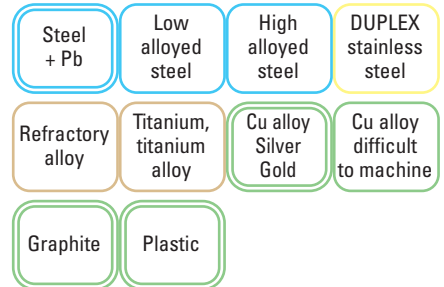
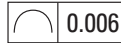
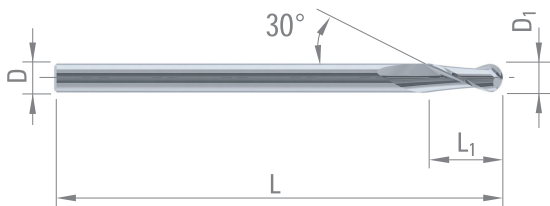
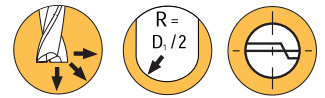


* for non-ferrous material

DIXI 7042

BALL-NOSE END MILLS

Z = 2



Roughing



Finishing



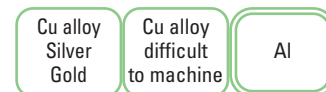
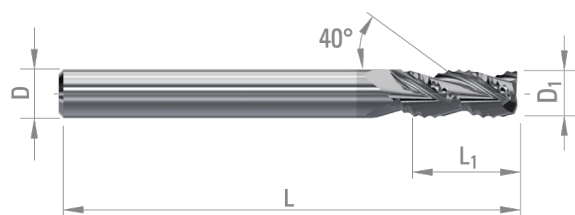
D _{1 e8}	L ₁	D _{h5}	L	CARBIDE	TAIN	DIAMANT*
2.00	10	2	61	41974	56238	60224
3.00	10	3	61	39512	56239	60225
4.00	12	4	75	38639	56240	60226
5.00	14	5	86	38942	56241	60227
6.00	16	6	93	38623	56242	60228
8.00	20	8	100	38640	56243	60229
10.00	24	10	100	38641	56244	58790
12.00	28	12	110	40728	56245	60230
16.00	36	16	120	40730	56247	
20.00	45	20	150	40732	56248	

* for non-ferrous material

DIXI 7215

ALUMINIUM ROUGHING END MILLS

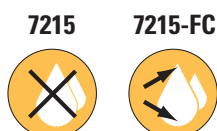
Z = 3



Roughing



Finishing



D _{1 d12}	L ₁	D _{h6}	L	DAC	DAC
6.00	14	6	57	993017	995594
8.00	21	8	63	993018	995595
10.00	24	10	72	993003	995596
12.00	28	12	83	990143	995597
16.00	34	16	92	993019	307320

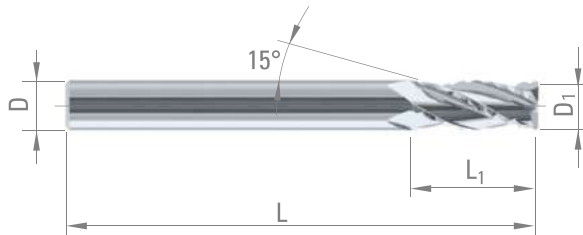


On request

DIXI 7217

PLASTICS ROUGHING END MILLS

Z = 4



Plastic

Roughing



Finishing



$D_{1\ d12}$	D_{h5}	L_1	L	CARBIDE
6.00	6	16	50	381093
		25	75	381095
8.00	8	22	63	381096
		33	79	381097
10.00	10	32	73	381098
		42	102	381100
12.00	12	42	102	381101

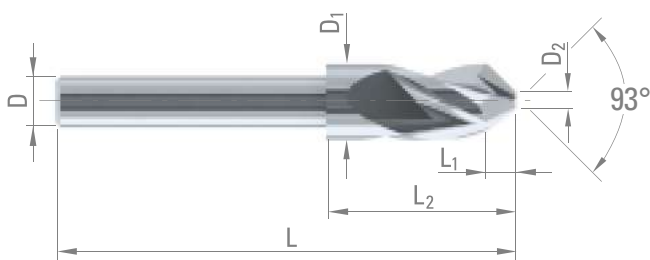
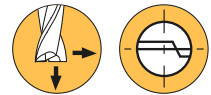


On request

DIXI 7629

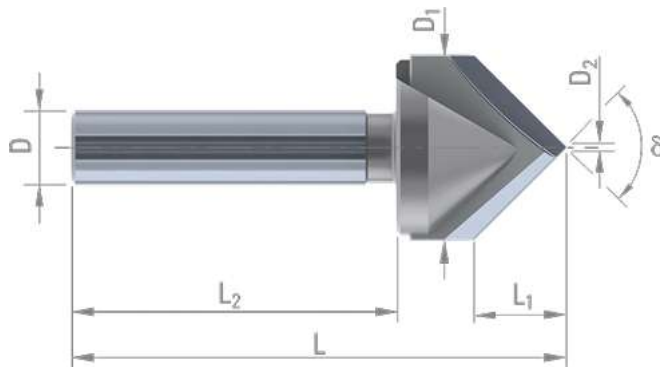
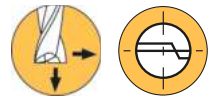
CHAMFERING TOOLS

Z = 3



Dibond

$D_{1\ h5}$	L_1	L_2	$D_{2\pm 0.05}$	D_{h5}	L	CARBIDE
10	4.1	30	1.2	6	72	381677
10	3.3	30	3.0	6	72	381678
10	4.1	-	1.2	10	72	381679
10	3.3	-	3.0	10	72	381680
12	5.1	32	1.2	8	73	381681
12	4.2	32	3.0	8	73	381682
12	5.1	-	1.2	12	73	381683
12	4.2	-	3.0	12	73	381684

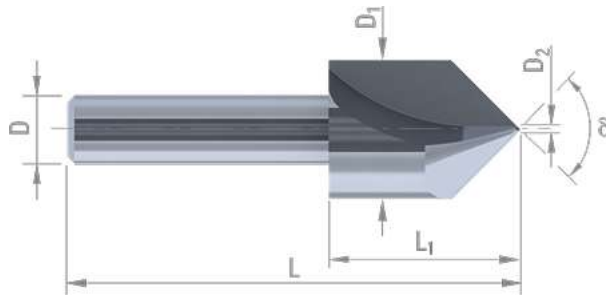
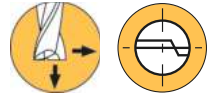


Plastic

δ	$D_{1\ h6}$	L_1	L_2	D_{h6}	$D_{2 \pm 0.05}^*$	L	CARBIDE new	CARBIDE regrinded
60°	20	17	35	8	0.3	60	381111	381120
90°	20	9.8	35	8	0.3	53	381112	381121
100°	20	8.2	35	8	0.3	51	381113	381122
110°	20	6.8	35	8	0.3	50	381114	381123
120°	20	5.6	35	8	0.3	49	381115	381124
130°	20	4.5	35	8	0.3	48	381116	381125
140°	20	3.5	35	8	0.3	47	381117	381126
150°	20	2.6	35	8	0.3	46	381118	381127
160°	20	1.7	35	8	0.3	45	381119	381128

*not cutting

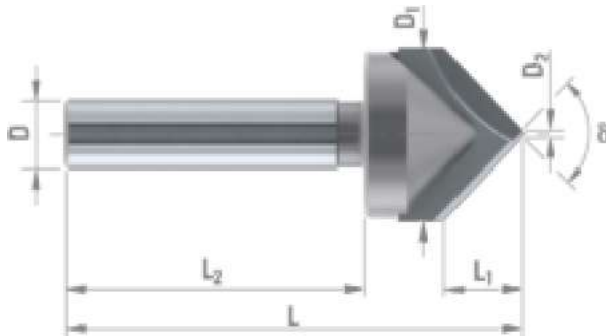
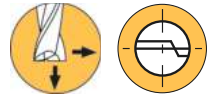




Plastic

δ	$D_{1\ h5}$	L_1	D_{h5}	$D_{2 \pm 0.05}$	L	CARBIDE new	CARBIDE regrinded
45°	16	22	8	0.2	50	381129	381137
90°	8	22	8	0.2	50	381130	381138
90°	12	22	12	0.2	50	381131	381139
90°	16	22	8	0.2	50	381132	381140
90°	16	22	16	0.2	50	381133	381141
90°	22	22	20	0.2	50	381134	381142
90°	24	22	20	0.2	60	381135	381143
92°	12	22	12	0.2	50	381136	381144

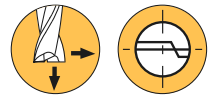




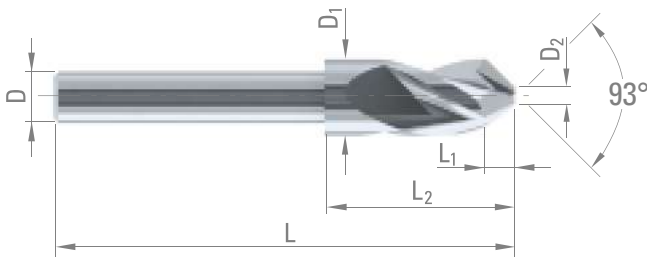
Dibond

δ	$D_{1\ h6}$	L_1	L_2	D_{h5}	$D_{2 \pm 0.05}$	L	CARBIDE new	CARBIDE regrinded
92°	20	9.5	35	8	3	53	380752	380759
135°	20	4.0	35	8	2	47	380758	380760



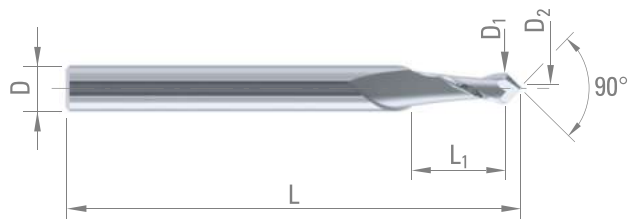
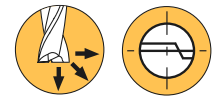


Dibond



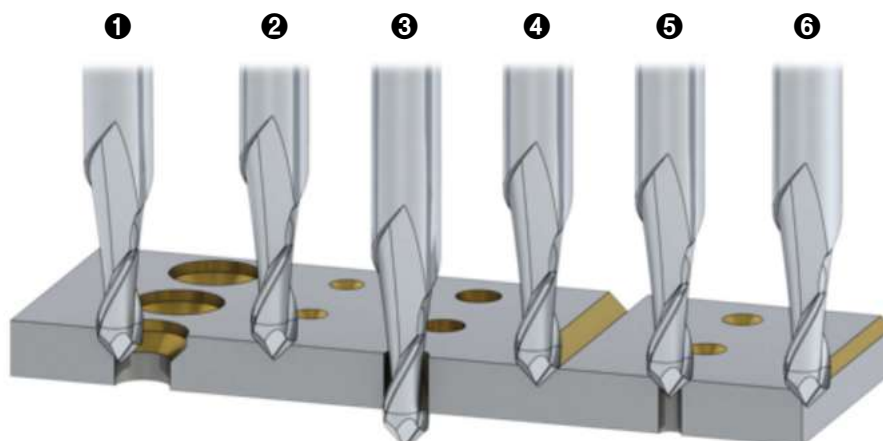
$D_{1\ h5}$	L_1	L_2	$D_{2\pm 0.05}$	D_{h5}	L	CARBIDE
10	4.1	30	1.2	6	72	381677
10	3.3	30	3.0	6	72	381678
10	4.1	-	1.2	10	72	381679
10	3.3	-	3.0	10	72	381680
12	5.1	32	1.2	8	73	381681
12	4.2	32	3.0	8	73	381682
12	5.1	-	1.2	12	73	381683
12	4.2	-	3.0	12	73	381684





Steel + Pb	Low alloyed steel	High alloyed steel	DUPLEX stainless steel	Cast iron
Titanium, titanium alloy	Cu alloy Silver Gold	Cu alloy difficult to machine	Al	Plastic

D _{1 e8}	L ₁	D ₂	D _{h5}	L	CARBIDE CUTINOX	
0.10	0.2	0.01	3	38	333883	333907
0.20	0.4	0.02	3	38	333884	333908
0.30	0.6	0.03	3	38	333885	333909
0.40	0.8	0.04	3	38	333886	333910
0.50	1.0	0.05	3	38	333887	333911
0.60	1.2	0.06	3	38	333888	333912
0.70	1.4	0.07	3	38	333889	333913
0.80	1.6	0.08	3	38	333890	333914
0.90	1.8	0.09	3	38	333891	333915
1.00	2.0	0.10	3	38	333892	333916
1.10	2.2	0.11	3	38	333893	333917
1.20	2.4	0.12	3	38	333894	333918
1.30	2.6	0.13	3	38	333895	333919
1.40	2.8	0.14	3	38	333896	333920
1.50	3.0	0.15	3	38	333897	333921
2.00	4.0	0.20	3	38	333898	333922
2.50	5.0	0.25	3	38	333899	333923
3.00	6.0	0.30	4	50	333900	333924
4.00	8.0	0.40	5	50	333901	333925
5.00	10.0	0.50	6	50	333902	333926
6.00	12.0	0.60	8	60	333903	333927
8.00	16.0	0.80	10	70	333904	333928
10.00	18.0	1.00	12	70	333905	333929
12.00	20.0	1.20	12	70	333906	333930

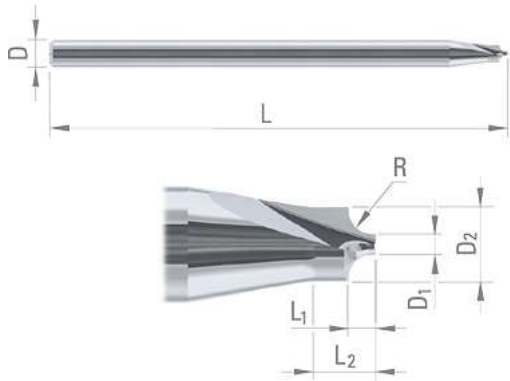
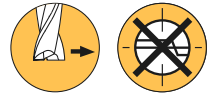


- ❶ Counterbore
- ❷ Spotting
- ❸ Drilling
- ❹ Engraving
- ❺ ❻ Chamfering

DIXI 7656

CORNER ROUNDING END MILLS

Z = 2



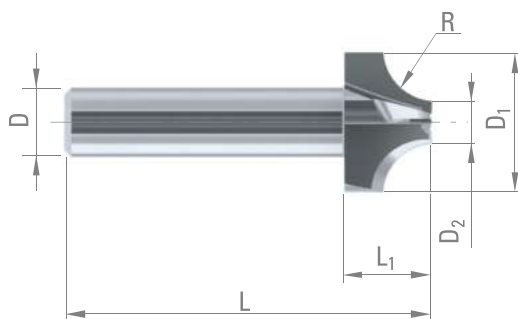
Steel + Pb	Low alloyed steel	High alloyed steel	DUPLEX stainless steel	Cast iron
Refractory alloy	Titanium, titanium alloy	Cu alloy Silver Gold	Cu alloy difficult to machine	Al
Plastic				

$R_{\pm 0.02}$	D_1	L_1	D_2	L_2	D_{h5}	L	CARBIDE	TiAIN
0.10	0.50	0.12	0.74	0.8	3	38	969577	969578
0.15	0.50	0.18	0.86	0.8	3	38	969586	969597
0.20	0.50	0.24	0.98	0.8	3	38	969587	969598
0.25	0.50	0.30	1.10	1.0	3	38	969588	969599
0.30	0.50	0.36	1.22	1.0	3	38	969589	969600
0.40	0.50	0.48	1.46	1.0	3	38	969590	969601
0.50	0.50	0.60	1.70	1.5	3	38	969591	969602
0.60	0.50	0.70	1.90	1.5	3	38	969592	969603
0.70	0.50	0.80	2.10	1.5	3	38	969593	969604
0.80	0.80	0.90	2.60	2.0	3	38	969594	969605
0.90	0.80	1.00	2.80	2.0	3	38	969595	969606
1.00	0.80	1.10	-	-	3	38	969596	969607

DIXI 7658

CORNER ROUNDING END MILLS

Z = 4



Steel + Pb	Low alloyed steel	High alloyed steel	DUPLEX stainless steel	Cast iron
Refractory alloy	Titanium, titanium alloy	Cu alloy Silver Gold	Cu alloy difficult to machine	Al
Plastic				

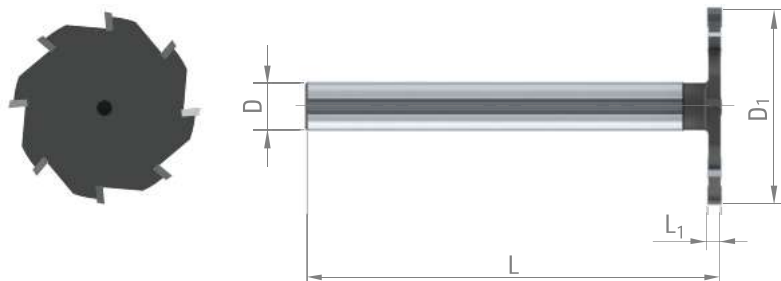
$R_{\pm 0.02}$	$D_{1 h5}$	L_1	D_2	D_{h5}	L	CARBIDE
1.0	10.0	10.0	8.0	6	42	381167
2.0	10.0	10.0	6.0	6	42	381168
3.0	12.0	10.0	6.0	8	42	381169
4.0	12.0	10.0	4.0	8	42	381170
5.0	16.0	10.0	6.0	8	42	381171
6.0	16.0	10.0	4.0	8	42	381172
6.0	20.0	10.0	4.0	8	42	381173

DIXI 1550 R + L

T-SLOT CUTTERS
BRAZED INSERTS



Plastic



DIXI 1550 R

D_{1js12}	L_1	D_{h6}	L	Z	CARBIDE
15	1.5	6	80	6	381174
25	1.5	6	80	6	381175
25	2.0	6	80	6	381176
25	2.0	8	80	6	381177
35	2.0	8	80	6	381178
50	3.0	10	80	8	381179

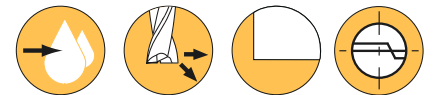
DIXI 1550 L

D_{1js12}	L_1	D_{h6}	L	Z	CARBIDE
15	1.5	6	80	6	381180
25	1.5	6	80	6	381181
25	2.0	6	80	6	381182
25	2.0	8	80	6	381183
35	2.0	8	80	6	381184
50	3.0	10	80	8	381185

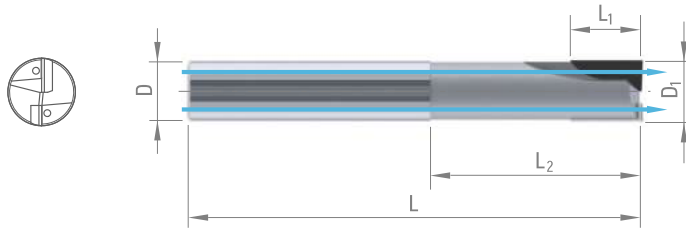
DIXI 72420-SH PCD

END MILLS, CENTRE CUTTING
AND THROUGH COOLANT

Z = 1-2



$D_1 \geq \emptyset 6$



Cu alloy Silver Gold	Cu alloy difficult to machine	Al 4-8% Si	Al 8-13% Si	Graphite
Unsilited carbide Ceramics	Plastic	Carbon fibres		

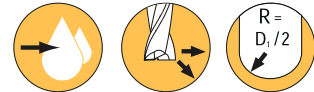
D_{1h10}	L_1	L_2	D_{h5}	L	Z	PCD	CVD
1.00	2.0	-	6	42	1	979179	
1.50	3.0	-	6	42	1	977382	
2.00	3.0	6	6	42	1	66785	
2.00 >	3.0	20	6	75	1	970175	
3.00	4.0	6	6	42	1	67540	301958
3.00 >	4.0	6	6	42	2		305549
3.00 >	4.0	15	6	75	2	970176	
3.00 >	4.0	20	6	75	2	970177	
4.00	4.0	8	6	50	1	957593	
4.00 >	6.5	10	6	50	1	67541	
4.00 >	6.5	15	6	75	2	970178	301959
4.00 >	6.5	25	6	75	2	970179	
5.00	5.0	10	6	50	2	957595	
5.00 >	6.5	10	6	50	2	53153	
5.00 >	6.5	35	6	75	2	970166	301960
6.00	6.0	12	6	57	2	976391	301961
6.00 >	8.0	34	6	75	2	976392	
6.00 >	8.0	50	6	100	2	976393	
7.00	8.0	34	8	75	2	976394	301962
8.00	7.0	14	8	63	2	976395	
8.00 >	10.0	34	8	75	2	976396	301963
8.00 >	10.0	50	8	100	2	976397	
8.00 >	10.0	75	8	125	2	976398	
9.00	10.0	35	10	75	2	976399	
10.00	8.0	16	10	75	2	976410	301965
10.00 >	12.0	35	10	75	2	976411	
10.00 >	12.0	75	10	125	2	976412	
11.00	12.0	38	12	83	2	976413	
12.00	10.0	20	12	83	2	976414	301966
12.00 >	12.0	38	12	83	2	976415	
12.00 >	12.0	75	12	125	2	976416	
14.00	12.0	24	14	83	2	976417	338991
14.00 >	12.0	38	14	83	2	976418	
14.00 >	12.0	75	14	125	2	976419	
16.00	14.0	28	16	92	2	976420	338992
16.00 >	14.0	42	16	92	2	976421	
16.00 >	14.0	75	16	125	2	976422	
20.00	18.0	36	20	104	2	976423	
20.00 >	18.0	50	20	125	2	976424	

On request

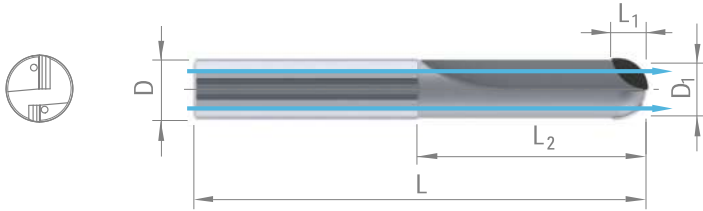
DIXI 70320-SH PCD

BALL-NOSE END MILLS
WITH THROUGH COOLANT

Z = 1-2



> Ø 6



Cu alloy Silver Gold	Cu alloy difficult to machine	Al 4-8% Si	Al 8-13% Si
Unsilited carbide Ceramics	Plastic	Carbon fibres	

D _{1 h10}	L ₁	D	L ₂	L	Z	PCD
2.00	2.0	6	6.0	42	1	953442
			25.0	75	1	970874
3.00	2.5	6	6.0	42	1	953443
			25.0	75	1	970875
			25.0	75	2	970876
			8.0	50	1	959468
4.00	3.0	6	10.0	50	1	953444
			10.0	50	2	970877
			25.0	75	2	970878
			35.0	75	2	981585
			10.0	50	2	953445
5.00	4.0	6	25.0	75	2	970883
			12.0	57	2	976433
6.00	4.0	6	34.0	75	2	976434
			50.0	100	2	976435
			14.0	63	2	976436
8.00	5.0	8	34.0	75	2	976437
			75.0	125	2	976438
			16.0	72	2	976439
10.00	6.0	10	35.0	75	2	976440
			75.0	125	2	976441
12.00	7.0	12	20.0	83	2	976442
			38.0	83	2	976443
12.00	7.0	12	75.0	125	2	976444
14.00	8.0	14	24.0	83	2	305821
16.00	9.0	16	28.0	92	2	300800
20.00	11.0	20	36.0	104	2	305822



DIXI 70630 PCD

FINISHING END MILLS
CENTRE CUTTING

Z = 1

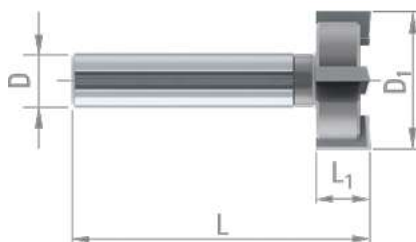


Cu alloy Silver Gold	Cu alloy difficult to machine	Al 4-8% Si	Al 8-13% Si	Graphite
Unsintered carbide Ceramics	Plastic	Carbon fibres		

D_{1h10}	L_1	D_{h5}	L	PCD finish	PCD regrinded
3	6	6	38	381663	381670
4	10	6	50	381665	381671
6	15	6	50	381666	381672
8	19	8	60	381667	381673
10	22	10	60	381668	381675
12	26	12	60	381669	381676

DIXI 7800

FACE MILLING CUTTERS, BRAZED INSERTS

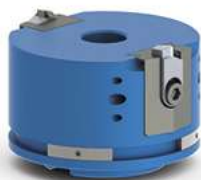


Plastic

$D_{1\pm0.05}$	L_1	D_{h6}	L	Z	CARBIDE new	CARBIDE regrinded
12	8	6	43	4	381186	381192
20	8	8	43	4	381187	381193
25	8	8	43	5	381188	381194
30	8	8	43	5	381190	381195
35	8	8	43	6	381191	381196

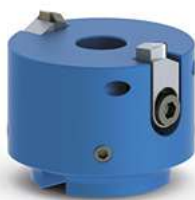
DIXI 81000

FACE MILLING HEAD FOR MIRROR FINISH



Face milling head
with inclination setting

D ₁	D	L	Art.
60	22	50	996583
85	27	55	962824
100	27	55	964272
125	40	58	994652



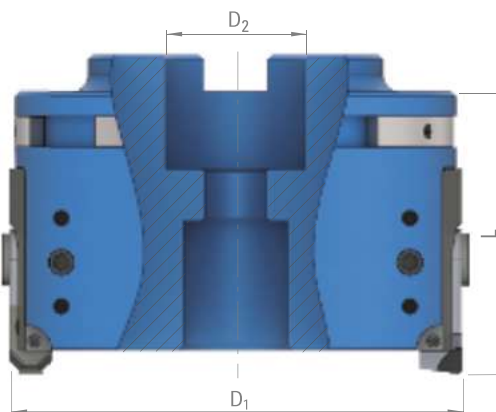
Face milling head

D ₁	D	L	Art.
40	16	55	970446
50	16	45	971872
60	22	40	962823



Face milling head
with shank

D ₁	D	L	Art.
40	12	55	964273



Finishing insert
(monocrystalline diamond)

Material to be machined	DIA
Plastic	968111
Aluminium / Copper	969556
Titanium	968526
Brass	969557



Roughing insert (PCD)

Material to be machined	PCD
Non ferrous materials	968117

DIXI 20370

CUTTING PINS Ø 8 X 31 FOR BERMAQ MACHINES

Ref. 1



Ref. 2



Ref. 3



Ref. 4



	Description	Material	Color	Art.
Ref. 1	Pin for roughing	PCD	black	968179
Ref. 2	Pin for finishing	PCD	red	968181
Ref. 3	Pin for satin surface	PCD	green	974193
Ref. 4	Pin for transparent surface finish	DIA	blue	968178

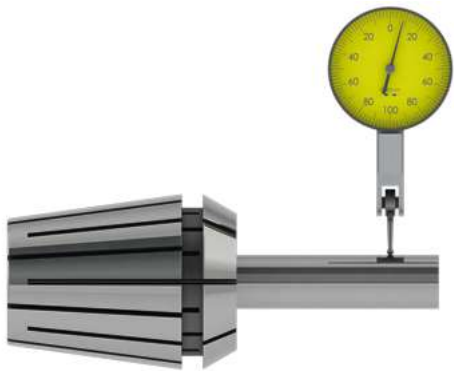


ER TOOL COLLETS ACCORDING ISO 15488-B



ER	D ₁	Clamping range	Art.
11	1.0	-	998086
11	1.5	-	998087
11	2.0	-	998088
11	2.5	-	998089
11	3.0	-	998090
11	3.5	-	998091
11	4.0	-	998092
11	4.5	-	998093
11	5.0	-	998094
11	5.5	-	998095
11	6.0	-	998096
11	6.5	-	998097
11	7.0	-	998098
11	7.5	-	346520
11	8.0	-	306711
16	1.0	1.0-0.5	997589
16	2.0	2.0-1.0	997590
16	3.0	3.0-2.0	997591
16	4.0	4.0-3.0	997592
16	5.0	5.0-4.0	997593
16	6.0	6.0-5.0	997594
16	7.0	7.0-6.0	997595
16	8.0	8.0-7.0	997596
16	9.0	9.0-8.0	997597
16	10.0	10.0-9.0	997598
16	11.0	11.0-10.0	997599
16	12.0	12.0-11.0	997600
20	1.0	1.0-0.5	997601
20	2.0	2.0-1.0	997602
20	3.0	3.0-2.0	997603
20	4.0	4.0-3.0	997604
20	5.0	5.0-4.0	997605
20	6.0	6.0-5.0	997606
20	7.0	7.0-6.0	997607
20	8.0	8.0-7.0	997608
20	9.0	9.0-8.0	997609
20	10.0	10.0-9.0	997610
20	11.0	11.0-10.0	997611
20	12.0	12.0-11.0	997612
20	13.0	13.0-12.0	997613
20	14.0	14.0-13.0	997614
20	15.0	15.0-14.0	997615

ER	D ₁	Clamping range	Art.
25	2.0	2.0-1.5	997616
25	2.5	2.5-2.0	997617
25	3.0	3.0-2.0	997618
25	4.0	4.0-3.0	997619
25	5.0	5.0-4.0	997620
25	6.0	6.0-5.0	997621
25	7.0	7.0-6.0	997622
25	8.0	8.0-7.0	997623
25	9.0	9.0-8.0	997624
25	10.0	10.0-9.0	997625
25	11.0	11.0-10.0	997626
25	12.0	12.0-11.0	997627
25	13.0	13.0-12.0	997628
25	14.0	14.0-13.0	997629
25	15.0	15.0-16.0	997630
25	16.0	16.0-15.0	997631
32	2.0	2.0-1.5	997632
32	2.5	2.5-2.0	997633
32	3.0	3.0-2.0	997634
32	4.0	4.0-3.0	997635
32	5.0	5.0-4.0	997636
32	6.0	6.0-5.0	997637
32	7.0	7.0-6.0	997638
32	8.0	8.0-7.0	997639
32	9.0	9.0-8.0	997640
32	10.0	10.0-9.0	997641
32	11.0	11.0-10.0	997642
32	12.0	12.0-11.0	997643
32	13.0	13.0-12.0	997644
32	14.0	14.0-13.0	997645
32	15.0	15.0-14.0	997646
32	16.0	16.0-15.0	997647
32	17.0	17.0-16.0	997648
32	18.0	18.0-17.0	997649
32	19.0	19.0-18.0	997650
32	20.0	20.0-19.0	997651

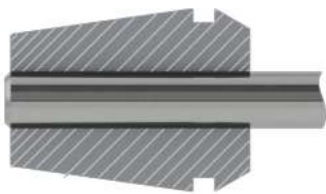


GOOD CONCENTRICITY

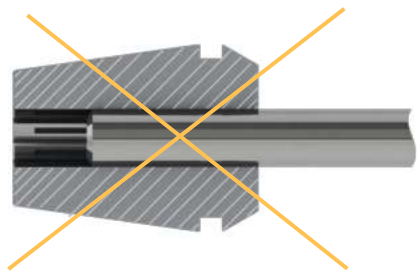
Better tool life • Surface finish • Accuracy

D ₁	L	
2 - 3	10	0,01
4 - 5 - 6	16	0,01
7 - 8 - 10	25	0,01
12.7	40	0,01

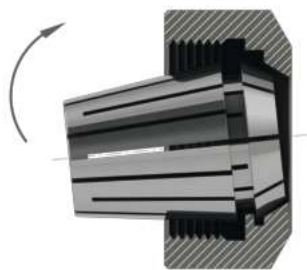
CLAMPING INSTRUCTIONS



**Tighten the tool shank over the entire
length of the collet**

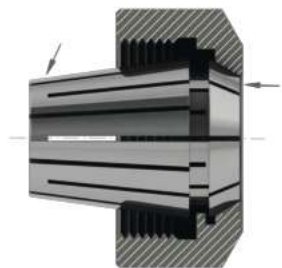


ASSEMBLY OF THE COLLET INTO THE NUT



Extraction groove

Eccentric ring



COMPANY PROFILE

DIXI POLYTOOL S.A.



DIXI POLYTOOL S.A. is specialized in the production of tungsten carbide and diamond cutting tools as well as precision reamers.

The company is based in Le Locle since 1946. In 2014, the premises have been completely renovated and enlarged.

With the introduction of the Lean Project, back in 2013, and the heavy investments in the production, our efforts are also focused on supporting our 250 co-workers.

Eager to guarantee the quality of its products while preserving the environment, DIXI POLYTOOL S.A. elaborated a system of certified management according the standards ISO 9001 and ISO 14001.

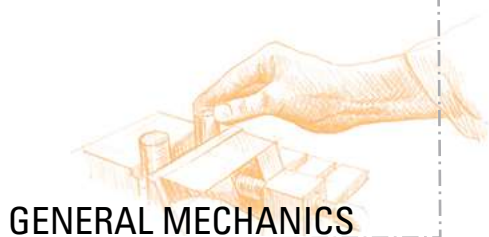
A daily commitment to be eco-friendly

For several years, DIXI POLYTOOL SA has decided to use only 100% recycled paper, natural colouring ink for our catalogues and flyers. Furthermore, we are proud to be a precursor by using green energy for the maintenance of the building and the production, since January 2015.

Our commitment for the sustainable development...



polytool



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