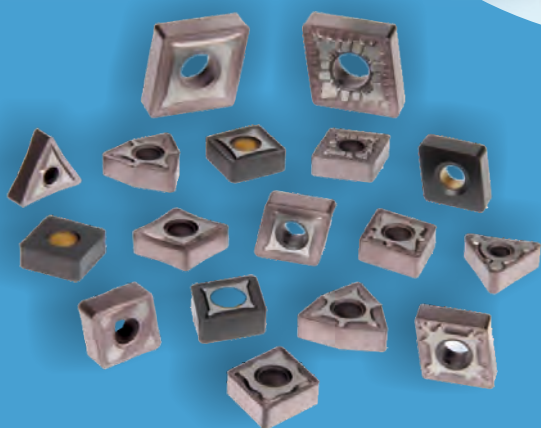
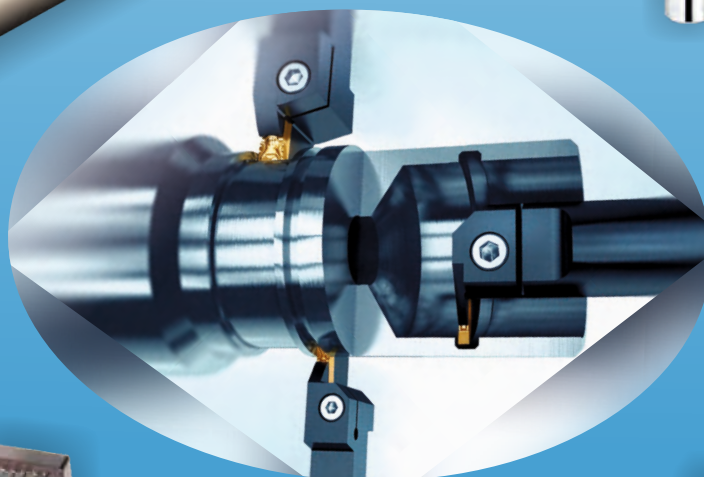


## Catalog scule de prelucrare prin așchiere

- strunjire
- frezare
- găurire
- prelucrarea găurilor
- canelare
- debitare
- scule speciale dezvoltate la temă



# 2026

# SMART BEE BOX TOOL MANAGEMENT SYSTEMS

- Controlul inventarului și al vizibilității



- Reducerea lunară a costurilor cu minim 20 %

## Un singur dulap cu multiple utilizări

**Păstrare publică în siguranță:** Urmărirea utilizării bunurilor publice.

**Păstrare personală în siguranță:** Operatorul poate pune temporar sculele de care nu are nevoie în cutia laterală pentru a preveni pierderea acestora.

**Transformarea cutiei de returnare într-o cutie de împrumut:** Scule sau materiale de dimensiuni mari pot fi plasate în cutiile laterale.

Starea de împrumut poate fi înregistrată automat.



## 1 Dulapul inteligent Smart Bee Box

Dulapul Smart Bee este un sistem inteligent de gestionare a sculelor, adaptat nevoilor fabricilor de prelucrare și nu numai. Sistemul înregistrează și analizează patru procese legate de gestionarea sculelor: preluarea sculelor, returnarea sculelor, starea de utilizare a sculelor și durata de viață a acestora. Toate informațiile despre scule sunt înregistrate automat și rămân disponibile fără supraveghere timp de 24 de ore. Gestionarea sculelor prin digitalizare este o metodă convenabilă și eficientă.



- Scanner și imprimantă
  - Lift
  - Cameră auto-ajustabilă
- **Digitalizare și vizualizare**  
Generează rapoarte statistice multidimensionale în timp real, analizează costurile dintr-o privire și exportă datele cu un singur click.

- **Mai puțină forță de muncă și costuri reduse**  
Funcționare neasistată 24/7, amplasat lângă mașinile CNC. Preluare scule în 10 secunde.

- **Depozit inteligent**  
Un sistem personalizabil de alerte pentru inventarul de unelte este conceput pentru a vă informa despre lipsuri și pentru a trimite liste de reprovizionare în mod regulat.

## 2 Rezolvarea a 4 probleme



Scule lipsă și scule uzate



Lipsă informații despre costul și durata de viață a sculelor



Înregistrări greșite ale sculelor



Schimbul de noapte

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## Găurire

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Burghie pentru centrare pentru strung și freză.....	10
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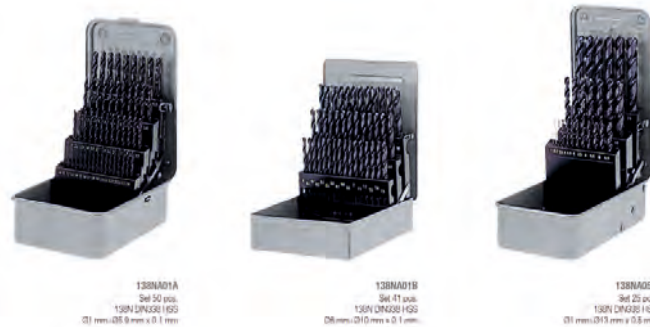
## Burghie HSS scurte DIN1897



Cod	D	I	L	Preț (euro)
P118N0200	2.00	12	38	0,91
P118N0210	2.10	12	38	0,95
P118N0220	2.20	13	40	0,95
P118N0230	2.30	13	40	0,95
P118N0240	2.40	14	43	0,95
P118N0250	2.50	14	43	0,95
P118N0260	2.60	14	43	0,95
P118N0270	2.70	14	46	0,95
P118N0280	2.80	14	46	0,95
P118N0290	2.90	14	46	0,95
P118N0300	3.00	14	46	0,95
P118N0310	3.10	18	49	1,05
P118N0320	3.20	18	49	1,05
P118N0330	3.30	18	49	1,05
P118N0340	3.40	20	52	1,05
P118N0350	3.50	20	52	1,05
P118N0360	3.60	20	52	1,09
P118N0370	3.70	20	52	1,09
P118N0380	3.80	22	55	1,09
P118N0390	3.90	22	55	1,09
P118N0400	4.00	22	55	1,09
P118N0410	4.10	22	55	1,39
P118N0420	4.20	22	55	1,39
P118N0430	4.30	24	58	1,39
P118N0440	4.40	24	58	1,39
P118N0450	4.50	24	58	1,39
P118N0460	4.60	24	58	1,52
P118N0470	4.70	24	58	1,52
P118N0480	4.80	26	62	1,52
P118N0490	4.90	26	62	1,52
P118N0500	5.00	26	62	1,52
P118N0510	5.10	26	62	1,52
P118N0520	5.20	26	62	1,52
P118N0530	5.30	26	62	1,93
P118N0540	5.40	28	66	1,93
P118N0550	5.50	28	66	1,93
P118N0560	5.60	28	66	1,93
P118N0570	5.70	28	66	1,93
P118N0580	5.80	28	66	1,93
P118N0590	5.90	28	66	1,93
P118N0600	6.00	28	66	2,15
P118N0610	6.10	31	70	2,15
P118N0620	6.20	31	70	2,15
P118N0630	6.30	31	70	2,20
P118N0640	6.40	31	70	2,20
P118N0650	6.50	31	70	2,24
P118N0660	6.60	31	70	2,29
P118N0670	6.70	31	70	2,29
P118N0680	6.80	34	74	2,42
P118N0690	6.90	34	74	2,42
P118N0700	7.00	34	74	2,69
P118N0710	7.10	34	74	2,83
P118N0720	7.20	34	74	2,83
P118N0730	7.30	34	74	2,83

Cod	D	I	L	Preț (euro)
P118N0740	7.40	34	74	2,87
P118N0750	7.50	34	74	2,87
P118N0760	7.60	37	79	2,87
P118N0770	7.70	37	79	3,10
P118N0780	7.80	37	79	3,10
P118N0790	7.90	37	79	3,10
P118N0800	8.00	37	79	3,40
P118N0810	8.10	37	79	3,90
P118N0820	8.20	37	79	3,90
P118N0830	8.30	37	79	4,26
P118N0840	8.40	37	79	4,26
P118N0850	8.50	37	79	4,26
P118N0860	8.60	40	84	4,76
P118N0870	8.70	40	84	4,75
P118N0880	8.80	40	84	4,75
P118N0890	8.90	40	84	4,76
P118N0900	9.00	40	84	4,66
P118N0910	9.10	40	84	5,02
P118N0920	9.20	40	84	5,02
P118N0930	9.30	40	84	5,25
P118N0940	9.40	40	84	5,25
P118N0950	9.50	40	84	5,25
P118N0960	9.60	43	89	5,47
P118N0970	9.70	43	89	5,47
P118N0980	9.80	43	89	5,60
P118N0990	9.90	43	89	5,60
P118N1000	10.00	43	89	5,60
P118N1025	10.25	43	89	6,01
P118N1050	10.50	43	89	6,01
P118N1075	10.75	47	95	6,10
P118N1100	11.00	47	95	6,69
P118N1125	11.25	47	95	7,60
P118N1150	11.50	47	95	7,58
P118N1175	11.75	47	95	7,58
P118N1200	12.00	51	102	7,58
P118N1225	12.25	51	102	7,94
P118N1250	12.50	51	102	8,97
P118N1275	12.75	51	102	8,97
P118N1300	13.00	51	102	8,97
P118N1325	13.25	54	107	10,94
P118N1350	13.50	54	107	10,94
P118N1375	13.75	54	107	10,94
P118N1400	14.00	54	107	10,94
P118N1425	14.25	56	111	13,14
P118N1450	14.50	56	111	13,14
P118N1475	14.75	56	111	13,14
P118N1500	15.00	56	111	13,14
P118N1525	15.25	58	115	15,83
P118N1550	15.50	58	115	15,83
P118N1575	15.75	58	115	15,83
P118N1600	16.00	58	115	15,83

## Burghie HSS scurte DIN338



Cod	D	I	L	Preț (euro)
P138N0200	2.00	24	49	0,90
P138N0210	2.10	24	49	0,90
P138N0220	2.20	27	53	0,85
P138N0230	2.30	27	53	0,85
P138N0240	2.40	30	57	0,85
P138N0250	2.50	30	57	0,85
P138N0260	2.60	30	57	0,94
P138N0270	2.70	33	61	0,94
P138N0280	2.80	33	61	0,94
P138N0290	2.90	33	61	0,94
P138N0300	3.00	33	61	0,94
P138N0310	3.10	36	65	1,08
P138N0320	3.20	36	65	1,08
P138N0330	3.30	36	65	1,08
P138N0340	3.40	39	70	1,08
P138N0350	3.50	39	70	1,08
P138N0360	3.60	39	70	1,17
P138N0370	3.70	39	70	1,17
P138N0380	3.80	43	75	1,17
P138N0390	3.90	43	75	1,17
P138N0400	4.00	43	75	1,17
P138N0410	4.10	43	75	1,36
P138N0420	4.20	43	75	1,36
P138N0430	4.30	47	80	1,36
P138N0440	4.40	47	80	1,36
P138N0450	4.50	47	80	1,36
P138N0460	4.60	47	80	1,57
P138N0470	4.70	47	80	1,57
P138N0480	4.80	52	86	1,57
P138N0490	4.90	52	86	1,57
P138N0500	5.00	52	86	1,57
P138N0510	5.10	52	86	1,57
P138N0520	5.20	52	86	1,57
P138N0530	5.30	52	86	1,95
P138N0540	5.40	57	93	1,95
P138N0550	5.50	57	93	1,95
P138N0560	5.60	57	93	1,95
P138N0570	5.70	57	93	1,95
P138N0580	5.80	57	93	1,95
P138N0590	5.90	57	93	1,95
P138N0600	6.00	57	93	2,13
P138N0610	6.10	63	101	2,32
P138N0620	6.20	63	101	2,32
P138N0630	6.30	63	101	2,40
P138N0640	6.40	63	101	2,40
P138N0650	6.50	63	101	2,44
P138N0660	6.60	63	101	2,44
P138N0670	6.70	63	101	2,58
P138N0680	6.80	69	109	2,81
P138N0690	6.90	69	109	2,81
P138N0700	7.00	69	109	2,62
P138N0710	7.10	69	109	3,07
P138N0720	7.20	69	109	3,07
P138N0730	7.30	69	109	3,07

Cod	D	I	L	Preț (euro)
P138N0740	7.40	69	109	3,16
P138N0750	7.50	69	109	3,16
P138N0760	7.60	75	117	3,16
P138N0770	7.70	75	117	3,38
P138N0780	7.80	75	117	3,38
P138N0790	7.90	75	117	3,38
P138N0800	8.00	75	117	3,46
P138N0810	8.10	75	117	3,90
P138N0820	8.20	75	117	3,90
P138N0830	8.30	75	117	4,26
P138N0840	8.40	75	117	4,26
P138N0850	8.50	75	117	4,26
P138N0860	8.60	81	125	4,71
P138N0870	8.70	81	125	4,71
P138N0880	8.80	81	125	4,71
P138N0890	8.90	81	125	4,71
P138N0900	9.00	81	125	4,67
P138N0910	9.10	81	125	5,03
P138N0920	9.20	81	125	5,03
P138N0930	9.30	81	125	5,27
P138N0940	9.40	81	125	5,27
P138N0950	9.50	81	125	5,27
P138N0960	9.60	87	133	6,04
P138N0970	9.70	87	133	6,04
P138N0980	9.80	87	133	6,09
P138N0990	9.90	87	133	6,09
P138N1000	10.00	87	133	5,56
P138N1010	10.10	87	133	6,26
P138N1020	10.20	87	133	6,49
P138N1030	10.30	87	133	6,58
P138N1040	10.40	87	133	6,58
P138N1050	10.50	87	133	6,58
P138N1060	10.60	87	133	6,67
P138N1070	10.70	94	142	6,67
P138N1080	10.80	94	142	6,67
P138N1090	10.90	94	142	6,67
P138N1100	11.00	94	142	6,67
P138N1110	11.10	94	142	8,35
P138N1120	11.20	94	142	8,35
P138N1130	11.30	94	142	8,35
P138N1140	11.40	94	142	8,35
P138N1150	11.50	94	142	8,35
P138N1160	11.60	94	142	8,35
P138N1170	11.70	94	142	8,35
P138N1180	11.80	94	142	8,35
P138N1190	11.90	101	151	8,35
P138N1200	12.00	101	151	8,35
P138N1210	12.10	101	151	8,66
P138N1220	12.20	101	151	8,66
P138N1230	12.30	101	151	8,66
P138N1240	12.40	101	151	9,82
P138N1250	12.50	101	151	9,82
P138N1260	12.60	101	151	9,82
P138N1270	12.70	101	151	9,82

Cod	D	I	L	Preț (euro)
P138N1280	12.80	101	151	9,82
P138N1290	12.90	101	151	9,82
P138N1300	13.00	101	151	9,82
P138N1325	13.25	108	160	11,92
P138N1350	13.50	108	160	10,98
P138N1375	13.75	108	160	11,92
P138N1400	14.00	108	160	10,98
P138N1425	14.25	114	169	14,48
P138N1450	14.50	114	169	13,23
P138N1475	14.75	114	169	14,48
P138N1500	15.00	114	169	13,23
P138N1525	15.25	120	178	17,37
P138N1550	15.50	120	178	17,37
P138N1575	15.75	120	178	17,37
P138N1600	16.00	120	178	15,88
P138N1625	16.25	125	184	20,13
P138N1650	16.50	125	184	20,13
P138N1675	16.75	125	184	20,13
P138N1700	17.00	125	184	18,40
P138N1750	17.50	130	191	24,79
P138N1800	18.00	130	191	22,65
P138N1850	18.50	135	198	28,13
P138N1900	19.00	135	198	25,05
P138N1950	19.50	140	205	31,28
P138N2000	20.00	140	205	31,71

Cod	D	I	L	Preț (euro)
P138NA01A	1.0-5.9/0.1			108,86
P138NA01B	6.0-10.0/0.1			201,59
P138NA05C	1.0-13.0/0.5			115,47

## Burghie HSSCo cu acoperire TIN



Cod	D	I	L	Preț (euro)
P2386STI0100 (10)	1.00	12	34	1,58
P2386STI0110 (10)	1.10	14	36	1,58
P2386STI0120 (10)	1.20	16	38	1,58
P2386STI0130 (10)	1.30	16	38	1,58
P2386STI0140 (10)	1.40	18	40	1,58
P2386STI0150 (10)	1.50	18	40	1,58
P2386STI0160 (10)	1.60	20	43	1,68
P2386STI0170 (10)	1.70	20	43	1,68
P2386STI0180 (10)	1.80	22	46	1,68
P2386STI0190 (10)	1.90	22	46	1,68
P2386STI0200 (10)	2.00	24	49	1,68
P2386STI0210 (10)	2.10	24	49	1,73
P2386STI0220 (10)	2.20	27	53	1,73
P2386STI0230 (10)	2.30	27	53	1,73
P2386STI0240 (10)	2.40	30	57	1,73
P2386STI0250 (10)	2.50	30	57	1,73
P2386STI0260 (10)	2.60	30	57	1,91
P2386STI0270 (10)	2.70	33	61	1,91
P2386STI0280 (10)	2.80	33	61	1,91
P2386STI0290 (10)	2.90	33	61	1,91
P2386STI0300 (10)	3.00	33	61	1,91
P2386STI0310 (10)	3.10	36	65	2,15
P2386STI0320 (10)	3.20	36	65	2,15
P2386STI0330 (10)	3.30	36	65	2,15
P2386STI0340 (10)	3.40	39	70	2,15
P2386STI0350 (10)	3.50	39	70	2,15
P2386STI0360 (10)	3.60	39	70	2,62
P2386STI0370 (10)	3.70	39	70	2,62
P2386STI0380 (10)	3.80	43	75	2,62
P2386STI0390 (10)	3.90	43	75	2,62
P2386STI0400 (10)	4.00	43	75	2,62
P2386STI0410 (10)	4.10	43	75	2,99
P2386STI0420 (10)	4.20	43	75	2,99
P2386STI0430 (10)	4.30	47	80	2,99
P2386STI0440 (10)	4.40	47	80	2,99
P2386STI0450 (10)	4.50	47	80	2,99
P2386STI0460 (10)	4.60	47	80	2,99
P2386STI0470 (10)	4.70	47	80	2,99
P2386STI0480 (10)	4.80	52	86	2,99
P2386STI0490 (10)	4.90	52	86	2,99
P2386STI0500 (10)	5.00	52	86	2,99
P2386STI0510 (10)	5.10	52	86	3,78
P2386STI0520 (10)	5.20	52	86	3,78
P2386STI0530 (10)	5.30	52	86	3,78
P2386STI0540 (10)	5.40	57	93	3,78
P2386STI0550 (10)	5.50	57	93	3,78
P2386STI0560 (10)	5.60	57	93	4,16
P2386STI0570 (10)	5.70	57	93	4,16
P2386STI0580 (10)	5.80	57	93	4,16
P2386STI0590 (10)	5.90	57	93	4,16
P2386STI0600 (10)	6.00	57	93	4,16
P2386STI0610 (10)	6.10	63	101	4,63
P2386STI0620 (10)	6.20	63	101	4,63
P2386STI0630 (10)	6.30	63	101	4,63

Cod	D	I	L	Preț (euro)
P2386STI0640 (10)	6.40	63	101	4,63
P2386STI0650 (10)	6.50	63	101	4,63
P2386STI0660 (5)	6.60	63	101	5,00
P2386STI0670 (5)	6.70	63	101	5,00
P2386STI0680 (5)	6.80	69	109	5,00
P2386STI0690 (5)	6.90	69	109	5,00
P2386STI0700 (5)	7.00	69	109	5,00
P2386STI0710 (5)	7.10	69	109	6,12
P2386STI0720 (5)	7.20	69	109	6,12
P2386STI0730 (5)	7.30	69	109	6,12
P2386STI0740 (5)	7.40	69	109	6,12
P2386STI0750 (5)	7.50	69	109	6,12
P2386STI0760 (5)	7.60	75	117	6,73
P2386STI0770 (5)	7.70	75	117	6,73
P2386STI0780 (5)	7.80	75	117	6,73
P2386STI0790 (5)	7.90	75	117	6,73
P2386STI0800 (5)	8.00	75	117	6,73
P2386STI0810 (5)	8.10	75	117	7,39
P2386STI0820 (5)	8.20	75	117	7,39
P2386STI0830 (5)	8.30	75	117	7,39
P2386STI0840 (5)	8.40	75	117	7,39
P2386STI0850 (5)	8.50	75	117	7,39
P2386STI0860 (5)	8.60	81	125	8,32
P2386STI0870 (5)	8.70	81	125	8,32
P2386STI0880 (5)	8.80	81	125	8,32
P2386STI0890 (5)	8.90	81	125	8,32
P2386STI0900 (5)	9.00	81	125	8,32
P2386STI0910 (5)	9.10	81	125	10,32
P2386STI0920 (5)	9.20	81	125	10,32
P2386STI0930 (5)	9.30	81	125	10,32
P2386STI0940 (5)	9.40	81	125	10,32
P2386STI0950 (5)	9.50	81	125	10,32
P2386STI0960 (5)	9.60	87	133	10,32
P2386STI0970 (5)	9.70	87	133	10,32
P2386STI0980 (5)	9.80	87	133	10,32
P2386STI0990 (5)	9.90	87	133	10,32
P2386STI1000 (5)	10.00	87	133	10,32
P2386STI1010 (5)	10.10	87	133	11,96
P2386STI1020 (5)	10.20	87	133	11,96
P2386STI1030 (5)	10.30	87	133	11,96
P2386STI1040 (5)	10.40	87	133	11,96
P2386STI1050 (5)	10.50	87	133	11,96
P2386STI1060 (5)	10.60	87	133	12,34
P2386STI1070 (5)	10.70	94	142	12,34
P2386STI1080 (5)	10.80	94	142	12,34
P2386STI1090 (5)	10.90	94	142	12,34
P2386STI1100 (5)	11.00	94	142	12,34
P2386STI1110 (5)	11.10	94	142	14,91
P2386STI1120 (5)	11.20	94	142	14,91
P2386STI1130 (5)	11.30	94	142	14,91
P2386STI1140 (5)	11.40	94	142	14,91
P2386STI1150 (5)	11.50	94	142	14,91
P2386STI1160 (5)	11.60	94	142	14,91
P2386STI1170 (5)	11.70	94	142	14,91
P2386STI1180 (5)	11.80	94	142	14,91
P2386STI1190 (5)	11.90	101	151	14,91
P2386STI1200 (5)	12.00	101	151	14,91
P2386STI1210 (5)	12.10	101	151	16,50
P2386STI1220 (5)	12.20	101	151	16,50
P2386STI1230 (5)	12.30	101	151	16,50
P2386STI1240 (5)	12.40	101	151	16,50
P2386STI1250 (5)	12.50	101	151	17,10
P2386STI1260 (5)	12.60	101	151	17,10
P2386STI1270 (5)	12.70	101	151	17,10
P2386STI1280 (5)	12.80	101	151	17,10
P2386STI1290 (5)	12.90	101	151	17,10
P2386STI1300 (5)	13.00	101	151	17,47

# Burghie carbură 3xD - 353CV

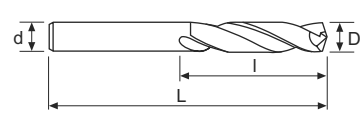

DIN  
6539

3xD

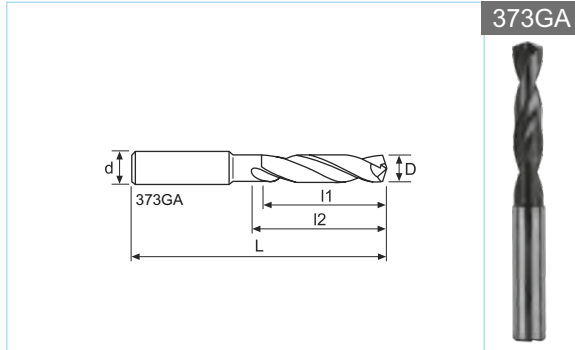


MG  
PV200



					353CV
					
Cod	D (h7)	d (h6)	l	L	Preț (euro)
353CV0100	mm 1.00	3	5	45	10,38
353CV0110	1.10	3	5	45	10,38
353CV0120	1.20	3	5	45	10,38
353CV0130	1.30	2	8	40	10,38
353CV0140	1.40	2	9	40	10,38
353CV0150	1.50	3	10	50	10,38
353CV0160	1.60	3	10	50	10,38
353CV0170	1.70	3	10	50	10,38
353CV0180	1.80	3	10	50	10,38
353CV0190	1.90	2	11	40	10,38
353CV0200	2.00	4	12	55	10,38
353CV0210	2.10	4	12	55	10,38
353CV0220	2.20	4	12	55	10,82
353CV0230	2.30	4	12	55	10,82
353CV0240	2.40	4	12	55	10,82
353CV0250	2.50	4	12	55	10,82
353CV0260	2.60	4	12	55	10,82
353CV0270	2.70	4	12	55	11,65
353CV0280	2.80	4	12	55	12,04
353CV0290	2.90	2.9	16	49	12,04
353CV0300	3.00	6	14	62	12,44
353CV0310	3.10	6	14	62	12,62
353CV0320	3.20	6	14	62	12,62
353CV0330	3.30	6	14	62	13,41
353CV0340	3.40	6	14	62	13,41
353CV0350	3.50	6	14	62	13,41
353CV0360	3.60	6	14	62	13,92
353CV0370	3.70	3.7	20	52	13,92
353CV0380	3.80	6	17	66	14,60
353CV0390	3.90	6	17	66	14,60
353CV0400	4.00	6	17	66	14,60
353CV0410	4.10	6	17	66	15,07
353CV0420	4.20	6	17	66	15,07
353CV0430	4.30	6	17	66	15,79
353CV0440	4.40	6	17	66	15,79
353CV0450	4.50	6	17	66	15,79
353CV0460	4.60	6	17	66	15,79
353CV0470	4.70	4.7	24	58	16,55
353CV0480	4.80	6	20	66	16,80
353CV0490	4.90	6	20	66	16,80
353CV0500	5.00	6	20	66	16,80
353CV0510	5.10	6	20	66	16,80
353CV0520	5.20	6	20	66	19,87
353CV0530	5.30	5.3	26	66	19,87
353CV0540	5.40	6	20	66	19,87
353CV0550	5.50	6	20	66	19,87
353CV0560	5.60	6	20	66	20,77
353CV0570	5.70	6	20	66	20,77
353CV0580	5.80	6	20	66	20,77
353CV0590	5.90	6	20	66	20,77
353CV0600	6.00	6	20	66	20,77

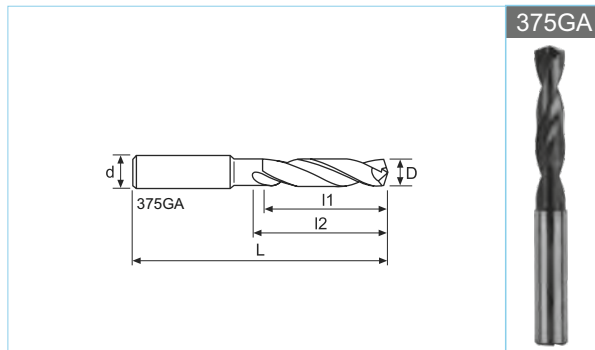
## Burghie carbură 3xD - 373GA



Cod	D (m7)	d (h6)	l1	l2	L	Preț (euro)
373GA0300	mm 3.00	6	14	20	62	26,04
373GA0310	3.10	6	14	20	62	26,04
373GA0320	3.20	6	14	20	62	26,04
373GA0330	3.30	6	14	20	62	26,04
373GA0340	3.40	6	14	20	62	26,04
373GA0350	3.50	6	14	20	62	26,04
373GA0360	3.60	6	14	20	62	26,04
373GA0370	3.70	6	14	20	62	26,04
373GA0380	3.80	6	17	24	66	26,04
373GA0390	3.90	6	17	24	66	26,04
373GA0400	4.00	6	17	24	66	26,04
373GA0410	4.10	6	17	24	66	26,04
373GA0420	4.20	6	17	24	66	26,04
373GA0430	4.30	6	17	24	66	26,04
373GA0440	4.40	6	17	24	66	26,04
373GA0450	4.50	6	17	24	66	26,04
373GA0460	4.60	6	17	24	66	26,04
373GA0470	4.70	6	17	24	66	26,04
373GA0480	4.80	6	20	28	66	26,99
373GA0490	4.90	6	20	28	66	26,99
373GA0500	5.00	6	20	28	66	26,99
373GA0510	5.10	6	20	28	66	26,99
373GA0520	5.20	6	20	28	66	26,99
373GA0530	5.30	6	20	28	66	26,99
373GA0540	5.40	6	20	28	66	26,99
373GA0550	5.50	6	20	28	66	26,99
373GA0560	5.60	6	20	28	66	26,99
373GA0570	5.70	6	20	28	66	26,99
373GA0580	5.80	6	20	28	66	26,99
373GA0590	5.90	6	20	28	66	26,99
373GA0600N	6.00	6	20	28	66	26,99
373GA0610N	6.10	8	24	34	79	27,97
373GA0620N	6.20	8	24	34	79	27,97
373GA0630N	6.30	8	24	34	79	27,97
373GA0640N	6.40	8	24	34	79	27,97
373GA0650N	6.50	8	24	34	79	27,97
373GA0660	6.60	8	24	34	79	27,97
373GA0670	6.70	8	24	34	79	27,97
373GA0680N	6.80	8	24	34	79	27,97
373GA0690N	6.90	8	24	34	79	27,97
373GA0700N	7.00	8	24	34	79	27,97
373GA0710N	7.10	8	29	41	79	28,26
373GA0720	7.20	8	29	41	79	28,26
373GA0730	7.30	8	29	41	79	28,26
373GA0740	7.40	8	29	41	79	28,26
373GA0750N	7.50	8	29	41	79	28,26
373GA0760	7.60	8	29	41	79	28,26
373GA0770	7.70	8	29	41	79	28,26
373GA0780	7.80	8	29	41	79	28,26
373GA0790	7.90	8	29	41	79	28,26
373GA0800N	8.00	8	29	41	79	28,26
373GA0810N	8.10	10	35	47	89	31,55
373GA0820	8.20	10	35	47	89	31,55

Cod	D (m7)	d (h6)	l1	l2	L	Preț (euro)
373 GA0830N	mm 8.30	10	35	47	89	31,55
373 GA0840N	8.40	10	35	47	89	31,55
373 GA0850N	8.50	10	35	47	89	31,55
373 GA0860N	8.60	10	35	47	89	31,55
373 GA0870N	8.70	10	35	47	89	31,55
373 GA0880N	8.80	10	35	47	89	31,55
373 GA0890	8.90	10	35	47	89	31,55
373 GA0900N	9.00	10	35	47	89	31,55
373 GA0910	9.10	10	35	47	89	31,55
373 GA0920	9.20	10	35	47	89	31,55
373 GA0930	9.30	10	35	47	89	31,55
373 GA0940N	9.40	10	35	47	89	31,55
373 GA0950N	9.50	10	35	47	89	31,55
373 GA0960N	9.60	10	35	47	89	31,55
373 GA0970	9.70	10	35	47	89	31,55
373 GA0980	9.80	10	35	47	89	31,55
373 GA0990	9.90	10	35	47	89	31,55
373 GA1000N	10.00	10	35	47	89	31,55
373GA1010N	10.10	12	40	55	102	42,84
373GA1020N	10.20	12	40	55	102	42,84
373GA1030	10.30	12	40	55	102	42,84
373GA1040	10.40	12	40	55	102	42,84
373GA1050N	10.50	12	40	55	102	42,84
373GA1060	10.60	12	40	55	102	42,84
373GA1070	10.70	12	40	55	102	42,84
373GA1080	10.80	12	40	55	102	42,84
373GA1090	10.90	12	40	55	102	42,84
373GA1100N	11.00	12	40	55	102	42,84
373GA1110	11.10	12	40	55	102	42,84
373GA1120	11.20	12	40	55	102	42,84
373GA1130	11.30	12	40	55	102	42,84
373GA1140	11.40	12	40	55	102	42,84
373GA1150N	11.50	12	40	55	102	42,84
373GA1160	11.60	12	40	55	102	42,84
373GA1170	11.70	12	40	55	102	42,84
373GA1180N	11.80	12	40	55	102	42,84
373GA1190	11.90	12	40	55	102	42,84
373GA1200N	12.00	12	40	55	102	42,84
373GA1210N	12.10	14	40	55	102	62,03
373GA1220N	12.20	14	40	60	107	62,03
373GA1230N	12.30	14	43	60	107	62,03
373GA1240N	12.40	14	43	60	107	62,03
373GA1250N	12.50	14	43	60	107	62,03
373GA1260N	12.60	14	43	60	107	62,03
373GA1270	12.70	14	43	60	107	62,03
373GA1280N	12.80	14	43	60	107	62,03
373GA1290N	12.90	14	43	60	107	62,03
373GA1300N	13.00	14	43	60	107	62,03
373GA1350N	13.50	14	43	60	107	62,03
373GA1370	13.70	14	43	60	107	62,03
373GA1380	13.80	14	43	60	107	62,03
373GA1400N	14.00	14	43	60	107	62,03
373GA1420	14.20	16	45	65	115	83,92
373GA1450N	14.50	16	45	65	115	83,92
373GA1470	14.70	16	45	65	115	83,92
373GA1480	14.80	16	45	65	115	83,92
373GA1500N	15.00	16	45	65	115	83,92
373GA1520	15.20	16	49	65	115	83,92
373GA1530	15.30	16	49	65	115	83,92
373GA1550	15.50	16	49	65	115	83,92
373GA1570	15.70	16	49	65	115	83,92
373GA1580	15.80	16	49	65	115	83,92
373GA1600	16.00	16	49	65	115	83,92
373GA1650	16.50	18	52	73	123	150,47
373GA1680N	16.80	18	52	73	123	136,79
373GA1700	17.00	18	52	73	123	150,47
373GA1750	17.50	18	52	73	123	150,47
373GA1770N	17.70	18	52	73	123	136,79
373GA1780N	17.80	18	52	73	123	136,79
373GA1800	18.00	18	52	73	123	150,47
373GA1850	18.50	20	55	79	131	155,17
373GA1880N	18.80	20	55	79	131	155,17
373GA1900	19.00	20	55	79	131	155,17
373GA1950	19.50	20	55	79	131	155,17
373GA1980N	19.80	20	55	79	131	155,17
373GA2000	20.00	20	55	79	131	155,17

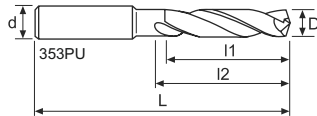
# Burghie carbură 5xD - 375GA



Cod	D (m7)	d (h6)	l1	l2	L	Preț (euro)
375GA0300N	3.00	6	23	28	66	29,18
375GA0310	3.10	6	23	28	66	29,18
375GA0320	3.20	6	23	28	66	29,18
375GA0330N	3.30	6	23	28	66	29,18
375GA0340	3.40	6	23	28	66	29,18
375GA0350	3.50	6	23	28	66	29,18
375GA0360	3.60	6	23	28	66	29,18
375GA0370N	3.70	6	23	28	66	29,18
375GA0380	3.80	6	29	36	74	29,18
375GA0390	3.90	6	29	36	74	29,18
375GA0400N	4.00	6	29	36	74	29,18
375GA0410	4.10	6	29	36	74	29,18
375GA0420N	4.20	6	29	36	74	29,18
375GA0430	4.30	6	29	36	74	29,18
375GA0440	4.40	6	29	36	74	29,18
375GA0450	4.50	6	29	36	74	29,18
375GA0460	4.60	6	29	36	74	29,18
375GA0470	4.70	6	29	36	74	29,18
375GA0480	4.80	6	35	44	82	30,22
375GA0490	4.90	6	35	44	82	30,22
375GA0500N	5.00	6	35	44	82	30,22
375GA0510	5.10	6	35	44	82	30,22
375GA0520N	5.20	6	35	44	82	30,22
375GA0530	5.30	6	35	44	82	30,22
375GA0540	5.40	6	35	44	82	30,22
375GA0550	5.50	6	35	44	82	30,22
375GA0560	5.60	6	35	44	82	30,22
375GA0570N	5.70	6	35	44	82	30,22
375GA0580	5.80	6	35	44	82	30,22
375GA0590	5.90	6	35	44	82	30,22
375GA0600	6.00	6	35	44	82	30,22
375GA0610	6.10	8	43	53	91	32,18
375GA0620	6.20	8	43	53	91	32,18
375GA0630	6.30	8	43	53	91	32,18
375GA0640	6.40	8	43	53	91	32,18
375GA0650	6.50	8	43	53	91	32,18
375GA0660N	6.60	8	43	53	91	32,18
375GA0670	6.70	8	43	53	91	32,18
375GA0680N	6.80	8	43	53	91	32,18
375GA0690	6.90	8	43	53	91	32,18
375GA0700	7.00	8	43	53	91	32,18
375GA0710	7.10	8	43	53	91	32,50
375GA0720	7.20	8	43	53	91	32,50
375GA0730	7.30	8	43	53	91	32,50
375GA0740	7.40	8	43	53	91	32,50
375GA0750	7.50	8	43	53	91	32,50
375GA0760	7.60	8	43	53	91	32,50
375GA0770N	7.70	8	43	53	91	32,50
375GA0780N	7.70	8	43	53	91	32,50
375GA0790	7.90	8	43	53	91	32,50
375GA0800N	7.60	8	43	53	91	32,50
375GA0810N	8.10	10	49	61	103	36,27
375GA0820	8.20	10	49	61	103	36,27
375GA0830	8.30	10	49	61	103	36,27
375GA0840	8.40	10	49	61	103	36,27
375GA0850N	8.50	10	49	61	103	36,27
375GA0860	8.60	10	49	61	103	36,27

Cod	D (m7)	d (h6)	l1	l2	L	Preț (euro)
375GA0870	8.70	10	49	61	103	36,27
375GA0880	8.80	10	49	61	103	36,27
375GA0890	8.90	10	43	53	91	32,50
375GA0900N	9.00	10	43	53	91	32,50
375GA0910	9.10	10	43	53	91	32,50
375GA0920	9.20	10	43	53	91	32,50
375GA0930N	9.30	10	43	53	91	32,50
375GA0940	9.40	10	43	53	91	32,50
375GA0950N	9.50	10	49	61	103	36,27
375GA0960	9.60	10	49	61	103	36,27
375GA0970	9.70	10	49	61	103	36,27
375GA0980	9.80	10	49	61	103	36,27
375GA0990	9.90	10	49	61	103	36,27
375GA1000	10.00	10	49	61	103	36,27
375GA1010	10.10	12	57	71	118	48,86
375GA1020	10.20	12	57	71	118	48,86
375GA1030	10.30	12	57	71	118	48,86
375GA1040	10.40	12	57	71	118	48,86
375GA1050N	10.50	12	57	71	118	48,86
375GA1060	10.60	12	57	71	118	48,86
375GA1070	10.70	12	57	71	118	48,86
375GA1080N	10.80	12	57	71	118	48,86
375GA1090	10.90	12	57	71	118	48,86
375GA1100	11.00	12	57	71	118	48,86
375GA1110	11.10	12	57	71	118	48,86
375GA1120	11.20	12	57	71	118	48,86
375GA1130	11.30	12	57	71	118	48,86
375GA1140	11.40	12	57	71	118	48,86
375GA1150N	11.50	12	57	71	118	48,86
375GA1160N	11.60	12	57	71	118	48,86
375GA1170	11.70	12	57	71	118	48,86
375GA1180	11.80	12	57	71	118	48,86
375GA1190	11.90	12	57	71	118	48,86
375GA1200N	12.00	12	57	71	118	48,86
375GA1250	12.50	14	63	77	124	70,70
375GA1300	13.00	14	63	77	124	70,70
375GA1350N	13.00	14	63	77	124	70,70
375GA1400N	14.00	14	63	77	124	70,70
375GA1450	14.50	16	67	83	133	95,65
375GA1500N	15.00	16	67	83	133	95,65
375GA1550	15.50	16	67	83	133	95,65
375GA1600N	16.00	16	67	83	133	95,65
375GA1650	16.50	18	75	93	143	159,49
375GA1700	17.00	18	75	93	143	159,49
375GA1750	17.50	18	75	93	143	159,49
375GA1800N	18.00	18	75	93	143	159,49
375GA1850	18.50	20	81	101	153	164,51
375GA1900	19.00	20	81	101	153	164,51
375GA1950	19.50	20	81	101	153	164,51
375GA2000	20.00	20	81	101	153	164,51

## Burghie carbură 3xD - 353PU



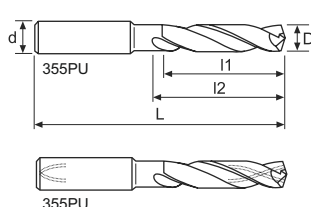
353PU



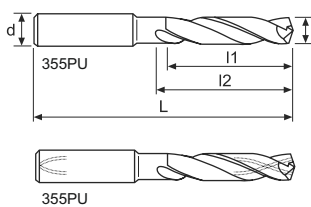
Cod	D (m7)	d (h6)	l1	l2	L	Preț (euro)
353PU0300	mm 3.00	6	14	20	62	25,90
353PU0310	3.10	6	14	20	62	25,90
353PU0320	3.20	6	14	20	62	25,90
353PU0330	3.30	6	14	20	62	25,90
353PU0340	3.40	6	14	20	62	25,90
353PU0350	3.50	6	14	20	62	25,90
353PU0360	3.60	6	14	20	62	25,90
353PU0370	3.70	6	14	20	62	25,90
353PU0380	3.80	6	17	24	66	25,90
353PU0390	3.90	6	17	24	66	25,90
353PU0400	4.00	6	17	24	66	25,90
353PU0410	4.10	6	17	24	66	25,90
353PU0420	4.20	6	17	24	66	25,90
353PU0430	4.30	6	17	24	66	25,90
353PU0440	4.40	6	17	24	66	25,90
353PU0450	4.50	6	17	24	66	25,90
353PU0460	4.60	6	17	24	66	25,90
353PU0470	4.70	6	17	24	66	25,90
353PU0480	4.80	6	20	28	66	25,90
353PU0490	4.90	6	20	28	66	25,90
353PU0500	5.00	6	20	28	66	25,90
353PU0510	5.10	6	20	28	66	25,90
353PU0520	5.20	6	20	28	66	25,90
353PU0530	5.30	6	20	28	66	25,90
353PU0540	5.40	6	20	28	66	25,90
353PU0550	5.50	6	20	28	66	25,90
353PU0560	5.60	6	20	28	66	25,90
353PU0570	5.70	6	20	28	66	25,90
353PU0580	5.80	6	20	28	66	25,90
353PU0590	5.90	6	20	28	66	25,90
353PU0600	6.00	6	20	28	66	25,90
353PU0610	6.10	8	24	34	79	31,41
353PU0620	6.20	8	24	34	79	31,41
353PU0630	6.30	8	24	34	79	31,41
353PU0640	6.40	8	24	34	79	31,41
353PU0650	6.50	8	24	34	79	31,41
353PU0660	6.60	8	24	34	79	31,41
353PU0670	6.70	8	24	34	79	31,41
353PU0680	6.80	8	24	34	79	31,41
353PU0690	6.90	8	24	34	79	31,41
353PU0700	7.00	8	24	34	79	31,41
353PU0710	7.10	8	29	41	79	31,41
353PU0720	7.20	8	29	41	79	31,41
353PU0730	7.30	8	29	41	79	31,41
353PU0740	7.40	8	29	41	79	31,41
353PU0750	7.50	8	29	41	79	31,41
353PU0760	7.60	8	29	41	79	31,41
353PU0770	7.70	8	29	41	79	31,41
353PU0780	7.80	8	29	41	79	31,41
353PU0790	7.90	8	29	41	79	31,41
353PU0800	8.00	8	29	41	79	31,41
353PU0810	8.10	10	35	47	89	39,46
353PU0820	8.20	10	35	47	89	39,46

Cod	D (m7)	d (h6)	l1	l2	L	Preț (euro)
353PU0830	mm 8.30	10	35	47	89	39,46
353PU0840	8.40	10	35	47	89	39,46
353PU0850	8.50	10	35	47	89	39,46
353PU0860	8.60	10	35	47	89	39,46
353PU0870	8.70	10	35	47	89	39,46
353PU0880	8.80	10	35	47	89	39,46
353PU0890	8.90	10	35	47	89	39,46
353PU0900	9.00	10	35	47	89	39,46
353PU0910	9.10	10	35	47	89	39,46
353PU0920	9.20	10	35	47	89	39,46
353PU0930	9.30	10	35	47	89	39,46
353PU0940	9.40	10	35	47	89	39,46
353PU0950	9.50	10	35	47	89	39,46
353PU0960	9.60	10	35	47	89	39,46
353PU0970	9.70	10	35	47	89	39,46
353PU0980	9.80	10	35	47	89	39,46
353PU0990	9.90	10	35	47	89	39,46
353PU1000	10.00	10	35	47	89	39,46
353PU1010	10.10	12	40	55	102	52,08
353PU1020	10.20	12	40	55	102	52,08
353PU1030	10.30	12	40	55	102	52,08
353PU1040	10.40	12	40	55	102	53,93
353PU1050	10.50	12	40	55	102	52,08
353PU1060	10.60	12	40	55	102	50,69
353PU1070	10.70	12	40	55	102	53,93
353PU1080	10.80	12	40	55	102	52,08
353PU1090	10.90	12	40	55	102	52,78
353PU1100	11.00	12	40	55	102	52,08
353PU1110	11.10	12	40	55	102	52,78
353PU1120	11.20	12	40	55	102	52,08
353PU1130	11.30	12	40	55	102	50,69
353PU1140	11.40	12	40	55	102	52,78
353PU1150	11.50	12	40	55	102	52,08
353PU1160	11.60	12	40	55	102	52,78
353PU1170	11.70	12	40	55	102	52,78
353PU1180	11.80	12	40	55	102	52,08
353PU1190	11.90	12	40	55	102	52,78
353PU1200	12.00	12	40	55	102	52,08
353PU1210	12.10	14	40	55	102	81,51
353PU1220	12.20	14	40	60	107	74,10
353PU1230	12.30	14	43	60	107	81,51
353PU1240	12.40	14	43	60	107	81,51
353PU1250	12.50	14	43	60	107	74,10
353PU1260	12.60	14	43	60	107	81,51
353PU1270	12.70	14	43	60	107	81,51
353PU1280	12.80	14	43	60	107	81,51
353PU1290	12.90	14	43	60	107	81,51
353PU1300	13.00	14	43	60	107	74,10
353PU1310	13.10	14	43	60	107	81,51
353PU1320	13.20	14	43	60	107	81,51
353PU1330	13.30	14	43	60	107	81,51
353PU1340	13.40	14	43	60	107	81,51
353PU1350	13.50	14	43	60	107	74,10
353PU1360	13.60	14	43	60	107	81,51
353PU1370	13.70	14	43	60	107	81,51
353PU1380	13.80	14	43	60	107	81,51
353PU1390	13.90	14	43	60	107	81,51
353PU1400	14.00	14	43	60	107	74,10
353PU1410	14.10	16	45	65	115	102,85
353PU1420	14.20	16	45	65	115	102,85
353PU1430	14.30	16	45	65	115	102,85
353PU1450	14.50	16	45	65	115	93,49
353PU1460	14.60	16	45	65	115	102,85
353PU1470	14.70	16	45	65	115	102,85
353PU1480	14.80	16	45	65	115	102,85
353PU1500	15.00	16	45	65	115	93,49
353PU1510	15.10	16	45	65	115	102,85
353PU1520	15.20	16	45	65	115	102,85
353PU1530	15.30	16	45	65	115	102,85
353PU1550	15.50	16	45	65	115	93,49
353PU1560	15.60	16	45	65	115	102,85
353PU1570	15.70	16	45	65	115	102,85
353PU1580	15.80	16	73	65	115	102,85
353PU1600	16.00	16	73	65	115	93,49
353PU1650	16.50	18	73	73	123	129,15
353PU1700	17.00	18	73	73	123	129,15
353PU1750	17.50	18	73	73	123	129,15
353PU1800	18.00	18	73	73	123	129,15
353PU1850	18.50	20	79	79	131	163,47
353PU1900	19.00	20	79	79	131	163,47
353PU1950	19.50	20	79	79	131	163,47
353PU2000	20.00	20	79	79	131	163,47

## Burghie carbură 5xD - 355PU

Cod	D (m7)	d (h6)	I1	I2	L	Preț (euro)
355 PU0300	mm 3.00	6	23	28	66	28,96
355 PU0310	3.10	6	23	28	66	28,96
355 PU0320	3.20	6	23	28	66	28,96
355 PU0330	3.30	6	23	28	66	28,96
355 PU0340	3.40	6	23	28	66	28,96
355 PU0350	3.50	6	23	28	66	28,96
355 PU0360	3.60	6	23	28	66	28,96
355 PU0370	3.70	6	23	28	66	28,96
355 PU0380	3.80	6	29	36	74	28,96
355 PU0390	3.90	6	29	36	74	28,96
355 PU0400	4.00	6	29	36	74	28,96
355 PU0410	4.10	6	29	36	74	28,96
355 PU0420	4.20	6	29	36	74	28,96
355 PU0430	4.30	6	29	36	74	28,96
355 PU0440	4.40	6	29	36	74	28,96
355 PU0450	4.50	6	29	36	74	28,96
355 PU0460	4.60	6	29	36	74	28,96
355 PU0470	4.70	6	29	36	74	28,96
355 PU0480	4.80	6	35	44	82	28,96
355 PU0490	4.90	6	35	44	82	28,96
355 PU0500	5.00	6	35	44	82	28,96
355 PU0510	5.10	6	35	44	82	28,96
355 PU0520	5.20	6	35	44	82	28,96
355 PU0530	5.30	6	35	44	82	28,96
355 PU0540	5.40	6	35	44	82	28,96
355 PU0550	5.50	6	35	44	82	28,96
355 PU0560	5.60	6	35	44	82	28,96
355 PU0570	5.70	6	35	44	82	28,96
355 PU0580	5.80	6	35	44	82	28,96
355 PU0590	5.90	6	35	44	82	28,96
355 PU0600	6.00	6	35	44	82	28,96
355 PU0610	6.10	8	43	53	91	34,75
355 PU0620	6.20	8	43	53	91	34,75
355 PU0630	6.30	8	43	53	91	34,75
355 PU0640	6.40	8	43	53	91	34,75
355 PU0650	6.50	8	43	53	91	34,75
355 PU0660	6.60	8	43	53	91	34,75
355 PU0670	6.70	8	43	53	91	34,75
355 PU0680	6.80	8	43	53	91	34,75
355 PU0690	6.90	8	43	53	91	34,75
355 PU0700	7.00	8	43	53	91	34,75
355 PU0710	7.10	8	43	53	91	34,75
355 PU0720	7.20	8	43	53	91	34,75
355 PU0730	7.30	8	43	53	91	34,75
355 PU0740	7.40	8	43	53	91	34,75
355 PU0750	7.50	8	43	53	91	34,75
355 PU0760	7.60	8	43	53	91	34,75
355 PU0770	7.70	8	43	53	91	34,75
355 PU0780	7.80	8	43	53	91	34,75
355 PU0790	7.90	8	43	53	91	34,75
355 PU0800	8.00	8	43	53	91	34,75
355 PU0810	8.10	10	49	61	103	43,93
355 PU0820	8.20	10	49	61	103	43,93
355 PU0830	8.30	10	49	61	103	43,93
355 PU 0840	8.40	10	49	61	103	43,93
355 PU 0850	8.50	10	49	61	103	43,93
355 PU 0860	8.60	10	49	61	103	43,93
355 PU 0870	8.70	10	49	61	103	43,93
355 PU 0880	8.80	10	49	61	103	43,93



Cod	D (m7)	d (h6)	I1	I2	L	Preț (euro)
355 PU 0890	mm 8.90	10	49	61	103	43,93
355 PU 0900	9.00	10	49	61	103	43,93
355 PU 0910	9.10	10	49	61	103	43,93
355 PU 0920	9.20	10	49	61	103	43,93
355 PU 0930	9.30	10	49	61	103	43,93
355 PU 0940	9.40	10	49	61	103	43,93
355 PU 0950	9.50	10	61	61	103	43,93
355 PU 0960	9.60	10	61	61	103	43,93
355 PU 0970	9.70	10	61	61	103	43,93
355 PU 0980	9.80	10	61	61	103	43,93
355 PU 0990	9.90	10	61	61	103	43,93
355 PU 1000	10.00	10	61	61	103	43,93
355 PU 1010	10.10	12	71	71	118	71,88
355 PU 1020	10.20	12	71	71	118	67,11
355 PU 1030	10.30	12	71	71	118	67,11
355 PU 1040	10.40	12	71	71	118	71,89
355 PU 1050	10.50	12	71	71	118	67,11
355 PU 1060	10.60	12	71	71	118	71,88
355 PU 1070	10.70	12	71	71	118	71,88
355 PU 1080	10.80	12	71	71	118	67,11
355 PU 1090	10.90	12	71	71	118	71,89
355 PU 1100	11.00	12	71	71	118	67,11
355 PU 1110	11.10	12	71	71	118	71,89
355 PU 1120	11.20	12	71	71	118	67,11
355 PU 1130	11.30	12	71	71	118	67,11
355 PU 1140	11.40	12	71	71	118	71,88
355 PU 1150	11.50	12	71	71	118	67,11
355 PU 1160	11.60	12	71	71	118	71,88
355 PU 1170	11.70	12	71	71	118	71,88
355 PU 1180	11.80	12	71	71	118	67,11
355 PU 1190	11.90	12	71	71	118	71,89
355 PU 1200	12.00	12	71	71	118	67,11
355 PU 1210	12.10	14	77	77	124	92,55
355 PU 1220	12.20	14	77	77	124	88,70
355 PU 1250	12.50	14	77	77	124	88,70
355 PU 1270	12.70	14	77	77	124	88,70
355 PU 1280	12.80	14	77	77	124	88,70
355 PU 1300	13.00	14	77	77	124	88,70
355 PU 1310	13.10	14	77	77	124	92,55
355 PU 1320	13.20	14	77	77	124	92,55
355 PU 1330	13.30	14	77	77	124	88,70
355 PU 1350	13.50	14	77	77	124	88,70
355 PU 1370	13.70	14	77	77	124	88,70
355 PU 1380	13.80	14	77	77	124	88,70
355 PU 1400	14.00	14	77	77	124	88,70
355 PU 1450	14.50	16	83	83	133	106,58
355 PU 1500	15.00	16	83	83	133	106,58
355 PU 1530	15.30	16	83	83	133	110,23
355 PU 1550	15.50	16	83	83	133	106,58
355 PU 1580	15.80	16	83	83	133	110,23
355 PU 1600	16.00	16	83	83	133	106,58
355 PU 1650	16.50	18	93	93	143	154,78
355 PU 1700	17.00	18	93	93	143	154,78
355 PU 1750	17.50	18	93	93	143	154,78
355 PU 1800	18.00	18	93	93	143	154,78
355 PU 1850	18.50	20	101	101	153	200,32
355 PU 1900	19.00	20	101	101	153	200,32
355 PU 1950	19.50	20	101	101	153	200,32
355 PU 2000	20.00	20	101	101	153	200,32

## Regimuri așchiere

Burghie carbură TYPHOON 353CV- 373GA- 375GA - 353PU - 355PU											
GRUPA MATERIALE	ISO	N/mm <sup>2</sup>	L	fn (mm/rot) - Ø						Vc (m/min)	
				3~5	5~8	8~11	11~14	14~17	17~20		
1 2 3 4	P	~700	3xD	0.08~0.16	0.14~0.25	0.20~0.30	0.25~0.35	0.30~0.40	0.35~0.45	75~120	
			5xD	0.07~0.14	0.12~0.22	0.18~0.25	0.22~0.31	0.26~0.35	0.31~0.40		
			8xD	0.05~0.10	0.08~0.15	0.12~0.17	0.15~0.21	0.18~0.24	0.21~0.28		
3 4 5		700~1000	3xD	0.07~0.14	0.12~0.18	0.15~0.22	0.20~0.25	0.25~0.30	0.30~0.40	70~105	
			5xD	0.06~0.12	0.10~0.16	0.13~0.19	0.17~0.22	0.22~0.25	0.26~0.35		
			8xD	0.04~0.08	0.07~0.11	0.09~0.13	0.12~0.15	0.15~0.18	0.18~0.25		
6		1000~1300	3xD	0.06~0.12	0.10~0.16	0.15~0.20	0.18~0.25	0.20~0.28	0.22~0.30	50~70	
			5xD	0.05~0.10	0.09~0.14	0.13~0.17	0.16~0.22	0.17~0.25	0.19~0.26		
			8xD	0.04~0.07	0.06~0.10	0.09~0.12	0.11~0.15	0.12~0.18	0.13~0.19		
13 14	K		3xD	0.10~0.20	0.18~0.32	0.30~0.38	0.35~0.45	0.40~0.50	0.45~0.55	70~125	
			5xD	0.09~0.17	0.16~0.28	0.26~0.34	0.31~0.40	0.35~0.44	0.40~0.48		
			8xD	0.06~0.12	0.11~0.20	0.18~0.24	0.22~0.28	0.25~0.31	0.28~0.34		
9 10		M		3xD	0.07~0.14	0.12~0.18	0.16~0.25	0.20~0.28	0.25~0.32	0.30~0.35	
				5xD	0.06~0.12	0.10~0.16	0.14~0.22	0.17~0.25	0.22~0.28	0.26~0.31	
				8xD	0.04~0.08	0.08~0.14	0.13~0.17	0.15~0.20	0.18~0.22	0.20~0.24	
11				3xD	0.05~0.10	0.08~0.12	0.10~0.15	0.12~0.18	0.14~0.22	0.16~0.25	
				5xD	0.05~0.09	0.07~0.11	0.09~0.13	0.10~0.16	0.12~0.19	0.14~0.22	
				8xD	0.04~0.06	0.05~0.08	0.06~0.09	0.07~0.11	0.08~0.13	0.10~0.15	
15 16	N			3xD	0.10~0.20	0.18~0.32	0.30~0.38	0.35~0.45	0.40~0.50	0.45~0.55	
				5xD	0.09~0.17	0.16~0.28	0.26~0.34	0.31~0.40	0.35~0.44	0.40~0.48	
				8xD	0.06~0.12	0.11~0.20	0.18~0.24	0.22~0.28	0.25~0.31	0.28~0.34	

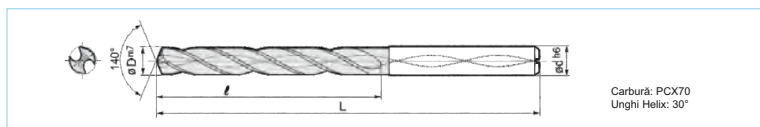
## Burghie HSS de centrare

					YAMAWA		YAMAWA		YAMAWA	
					0021		NC-SD TI		NC-SD TI	
					A		90°		120°	
					HSS		HSS/Co		HSS/Co	
					BR		TI		TI	
D	d	L	l	Cod	Preț (euro)	Cod	Preț (euro)	Cod	Preț (euro)	
2	5	40	2.5	00212.0	6,99					
2.5	6.3	45	3.1	00212.5	8,29					
3.15	8	50	3.9	00213.1	10,92					
4	10	56	5	00214.0	16,50					
5	12.5	63	6.3	00215.0	22,39					
6.3	6	66	20	00216.3	38,63	CS-D6.0QTI	19,97			
8	8	79	26	00218.0	58,02	CS-D8.0QTI	24,30			
10	10	89	30	0021010	82,48	CS-D010QTI	35,38	CS-D010TI	37,67	
12	12	102	36			CS-D012QTI	53,62	CS-D012TI	55,10	
16	16	115	41			CS-D016QTI	71,31	CS-D016TI	72,83	
20	20	131	46			CS-D020QTI	102,19			

## SumiDrill Power Series SDP Type 3xD



■ Burghie carbură cu canal intern pentru lichid răcire ØD: 3,0 ~ 12,0mm, 3D



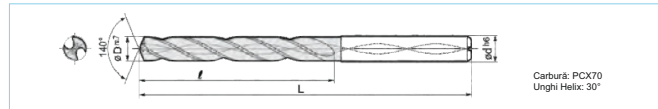
Cod	ØD (mm)	Coada Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
212371	3,0	6	SDP 0300 U3 HAK	62	20	34,08
212372	3,1		SDP 0310 U3 HAK			
212374	3,2		SDP 0320 U3 HAK			
212375	3,25		SDP 0325 U3 HAK			
212376	3,3		SDP 0330 U3 HAK			
212377	3,4		SDP 0340 U3 HAK			
212378	3,5		SDP 0350 U3 HAK			
212380	3,6		SDP 0360 U3 HAK			
212381	3,7		SDP 0370 U3 HAK			
212382	3,8		SDP 0380 U3 HAK			
212383	3,9		SDP 0390 U3 HAK			
212385	4,0		SDP 0400 U3 HAK			
212386	4,1		SDP 0410 U3 HAK			
212387	4,2		SDP 0420 U3 HAK			
212388	4,3		SDP 0430 U3 HAK			
212390	4,4		SDP 0440 U3 HAK			
212391	4,5		SDP 0450 U3 HAK			
212392	4,6		SDP 0460 U3 HAK			
212393	4,65		SDP 0465 U3 HAK			
212394	4,7		SDP 0470 U3 HAK			
212396	4,8	SDP 0480 U3 HAK				
212397	4,9	SDP 0490 U3 HAK				
212398	5,0	SDP 0500 U3 HAK				
212399	5,1	SDP 0510 U3 HAK				
212401	5,2	SDP 0520 U3 HAK				
212402	5,3	SDP 0530 U3 HAK				
212403	5,4	SDP 0540 U3 HAK				
212404	5,5	SDP 0550 U3 HAK				
212405	5,55	SDP 0555 U3 HAK				
212407	5,6	SDP 0560 U3 HAK				
212408	5,7	SDP 0570 U3 HAK				
212409	5,8	SDP 0580 U3 HAK				
212410	5,9	SDP 0590 U3 HAK				
212412	6,0	SDP 0600 U3 HAK				
212413	6,1	SDP 0610 U3 HAK				
212414	6,2	SDP 0620 U3 HAK				
212415	6,3	SDP 0630 U3 HAK				
212417	6,4	SDP 0640 U3 HAK				
212418	6,5	SDP 0650 U3 HAK				
212419	6,6	SDP 0660 U3 HAK				
212420	6,7	SDP 0670 U3 HAK				
212422	6,8	SDP 0680 U3 HAK				
212423	6,9	SDP 0690 U3 HAK				
212424	7,0	SDP 0700 U3 HAK				
212425	7,1	SDP 0710 U3 HAK				
212427	7,2	SDP 0720 U3 HAK				
212428	7,3	SDP 0730 U3 HAK				
212429	7,4	SDP 0740 U3 HAK				
212420	7,5	SDP 0750 U3 HAK				
212432	7,6	SDP 0760 U3 HAK				
212433	7,7	SDP 0770 U3 HAK				
212434	7,8	SDP 0780 U3 HAK				
212435	7,9	SDP 0790 U3 HAK				
212437	8,0	SDP 0800 U3 HAK				
212438	8,1	SDP 0810 U3 HAK				
212439	8,2	SDP 0820 U3 HAK				
212440	8,3	SDP 0830 U3 HAK				
212442	8,4	SDP 0840 U3 HAK				
212443	8,5	SDP 0850 U3 HAK				

Cod	ØD (mm)	Coada Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
212444	8,6	10	SDP 0860 U3 HAK	89	47	53,46
212445	8,7		SDP 0870 U3 HAK			
212446	8,8		SDP 0880 U3 HAK			
212449	9,0		SDP 0900 U3 HAK			
212450	9,1		SDP 0910 U3 HAK			
212454	9,3		SDP 0930 U3 HAK			
212455	9,4		SDP 0940 U3 HAK			
212456	9,5		SDP 0950 U3 HAK			
212458	9,6		SDP 0960 U3 HAK			
212459	9,7		SDP 0970 U3 HAK			
212460	9,8	SDP 0980 U3 HAK				
212463	10,0	SDP 1000 U3 HAK				
212464	10,1	SDP 1010 U3 HAK				
212465	10,2	SDP 1020 U3 HAK				
212466	10,3	SDP 1030 U3 HAK				
212468	10,4	SDP 1040 U3 HAK				
212469	10,5	SDP 1050 U3 HAK				
212470	10,6	SDP 1060 U3 HAK				
212471	10,7	SDP 1070 U3 HAK				
212472	10,8	SDP 1080 U3 HAK				
273678	10,83	SDP 1083 U3 HAK				
212474	11,0	SDP 1100 U3 HAK				
212475	11,1	SDP 1110 U3 HAK				
212477	11,2	SDP 1120 U3 HAK				
212478	11,3	SDP 1130 U3 HAK				
212480	11,5	SDP 1150 U3 HAK				
212481	11,6	SDP 1160 U3 HAK				
212482	11,7	SDP 1170 U3 HAK				
212483	11,8	SDP 1180 U3 HAK				
212484	11,9	SDP 1190 U3 HAK				
212486	12,0	SDP 1200 U3 HAK				
216849	12,1	SDP 1210 U3 HAK				
212487	12,2	SDP 1220 U3 HAK				
212488	12,5	SDP 1250 U3 HAK				
235387	12,8	SDP 1280 U3 HAK				
212490	13,0	SDP 1300 U3 HAK				
212491	13,5	SDP 1350 U3 HAK				
236703	13,64	SDP 1364 U3 HAK				
212492	13,7	SDP 1370 U3 HAK				
212493	14,0	SDP 1400 U3 HAK				
216850	14,1	SDP 1410 U3 HAK				
212494	14,2	SDP 1420 U3 HAK				
212496	14,5	SDP 1450 U3 HAK				
212497	14,7	SDP 1470 U3 HAK				
212498	15,0	SDP 1500 U3 HAK				
236540	15,34	SDP 1534 U3 HAK				
212500	15,5	SDP 1550 U3 HAK				
258632	15,6	SDP 1560 U3 HAK				
212501	15,7	SDP 1570 U3 HAK				
212502	16,0	SDP 1600 U3 HAK				

## SumiDrill Power Series SDP Type 5xD



■ Burghie carbură cu canal intern pentru lichid răcire ØD: 3,0 ~ 12,0mm,5D

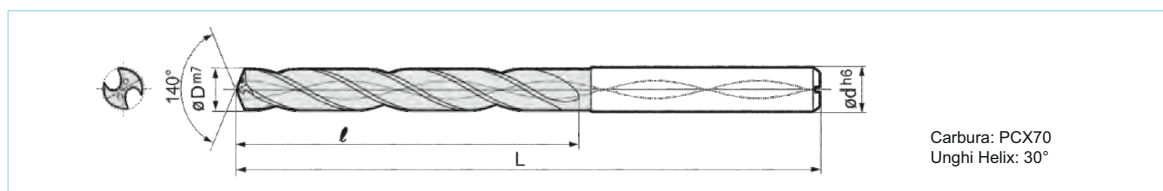


Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)	Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ						L	ℓ	
212512	3,0		SDP 0300 U5 HAK				212590	9,0		SDP 0900 U5 HAK			
212513	3,1		SDP 0310 U5 HAK				212591	9,1		SDP 0910 U5 HAK			
212515	3,2		SDP 0320 U5 HAK				212593	9,2		SDP 0920 U5 HAK			
212516	3,25		SDP 0325 U5 HAK				212595	9,3		SDP 0930 U5 HAK			
212517	3,3		SDP 0330 U5 HAK	66	26	43,8	212596	9,4		SDP 0940 U5 HAK			
212518	3,4		SDP 0340 U5 HAK				212597	9,5	10	SDP 0950 U5 HAK			
212519	3,5		SDP 0350 U5 HAK				212599	9,6		SDP 0960 U5 HAK	89	47	57,48
212521	3,6		SDP 0360 U5 HAK				212600	9,7		SDP 0970 U5 HAK			
212522	3,7		SDP 0370 U5 HAK				212601	9,8		SDP 0980 U5 HAK			
212523	3,8		SDP 0380 U5 HAK				212602	9,9		SDP 0990 U5 HAK			
212524	3,9		SDP 0390 U5 HAK				212604	10,0		SDP 1000 U5 HAK			
212526	4,0		SDP 0400 U5 HAK				212605	10,1		SDP 1010 U5 HAK			
212527	4,1		SDP 0410 U5 HAK				212606	10,2		SDP 1020 U5 HAK			
212528	4,2		SDP 0420 U5 HAK				212607	10,3		SDP 1030 U5 HAK			
212529	4,3		SDP 0430 U5 HAK	74	36		212609	10,4		SDP 1040 U5 HAK			90,54
212531	4,4		SDP 0440 U5 HAK				212610	10,5		SDP 1050 U5 HAK			
212532	4,5		SDP 0450 U5 HAK				212611	10,6		SDP 1060 U5 HAK			
212533	4,6	6	SDP 0460 U5 HAK				212612	10,7		SDP 1070 U5 HAK			
212534	4,65		SDP 0465 U5 HAK				212613	10,8		SDP 1080 U5 HAK			
212535	4,7		SDP 0470 U5 HAK			47,28	251380	10,84		SDP 1084 U5 HAK			-
212537	4,8		SDP 0480 U5 HAK				212614	10,9	12	SDP 1090 U5 HAK	118	71	
212538	4,9		SDP 0490 U5 HAK				212615	11,0		SDP 1100 U5 HAK			
212539	5,0		SDP 0500 U5 HAK				212616	11,1		SDP 1110 U5 HAK			
212540	5,1		SDP 0510 U5 HAK				212618	11,2		SDP 1120 U5 HAK			
212542	5,2		SDP 0520 U5 HAK				212619	11,3		SDP 1130 U5 HAK			
212543	5,3		SDP 0530 U5 HAK	82	44		212620	11,4		SDP 1140 U5 HAK			90,54
212544	5,4		SDP 0540 U5 HAK				212621	11,5		SDP 1150 U5 HAK			
212545	5,5		SDP 0550 U5 HAK				212622	11,6		SDP 1160 U5 HAK			
212546	5,55		SDP 0555 U5 HAK				212623	11,7		SDP 1170 U5 HAK			
212548	5,6		SDP 0560 U5 HAK				212624	11,8		SDP 1180 U5 HAK			
212549	5,7		SDP 0570 U5 HAK				212625	11,9		SDP 1190 U5 HAK			
212550	5,8		SDP 0580 U5 HAK				212627	12,0		SDP 1200 U5 HAK			
212551	5,9		SDP 0590 U5 HAK				222350	12,1		SDP 1210 U5 HAK			
212553	6,0		SDP 0600 U5 HAK				212628	12,2		SDP 1220 U5 HAK			
212554	6,1		SDP 0610 U5 HAK				218810	12,3		SDP 1230 U5 HAK			
212555	6,2		SDP 0620 U5 HAK				227914	12,4		SDP 1240 U5 HAK			
212556	6,3		SDP 0630 U5 HAK				212629	12,5		SDP 1250 U5 HAK			132,54
212558	6,4		SDP 0640 U5 HAK				216761	12,6		SDP 1260 U5 HAK			
212559	6,5		SDP 0650 U5 HAK				212630	12,7		SDP 1270 U5 HAK			
212560	6,6		SDP 0660 U5 HAK				216573	12,8		SDP 1280 U5 HAK			
212561	6,7		SDP 0670 U5 HAK				220694	12,9		SDP 1290 U5 HAK			-
212563	6,8		SDP 0680 U5 HAK				212631	13,0		SDP 1300 U5 HAK			
212564	6,9	8	SDP 0690 U5 HAK				222349	13,1		SDP 1310 U5 HAK			
212565	7,0		SDP 0700 U5 HAK				229443	13,2		SDP 1320 U5 HAK			
212566	7,1		SDP 0710 U5 HAK				216462	13,3		SDP 1330 U5 HAK			132,54
212568	7,2		SDP 0720 U5 HAK				212632	13,5		SDP 1350 U5 HAK			
212570	7,4		SDP 0740 U5 HAK				238329	13,6		SDP 1360 U5 HAK			
212571	7,5		SDP 0750 U5 HAK				223569	13,8		SDP 1380 U5 HAK			
212573	7,6		SDP 0760 U5 HAK				224757	13,9		SDP 1390 U5 HAK			-
212574	7,7		SDP 0770 U5 HAK				212634	14,0		SDP 1400 U5 HAK			132,54
212575	7,8		SDP 0780 U5 HAK				230644	14,1		SDP 1410 U5 HAK			
212576	7,9		SDP 0790 U5 HAK				212635	14,2		SDP 1420 U5 HAK			168
212578	8,0		SDP 0800 U5 HAK				231662	14,3		SDP 1430 U5 HAK			-
212579	8,1		SDP 0810 U5 HAK				212637	14,5		SDP 1450 U5 HAK			
212580	8,2		SDP 0820 U5 HAK				235208	14,6		SDP 1460 U5 HAK			
212581	8,3		SDP 0830 U5 HAK				223570	14,8		SDP 1480 U5 HAK			168
212583	8,4		SDP 0840 U5 HAK				212639	15,0		SDP 1500 U5 HAK			
212584	8,5	10	SDP 0850 U5 HAK	89	47	57,48	214466	15,1		SDP 1510 U5 HAK			
212585	8,6		SDP 0860 U5 HAK				251466	15,6		SDP 1560 U5 HAK			-
212586	8,7		SDP 0870 U5 HAK				243350	15,9		SDP 1590 U5 HAK			168
212588	8,8		SDP 0880 U5 HAK				212643	16,0		SDP 1600 U5 HAK			
212589	8,9		SDP 0890 U5 HAK										

## SumiDrill Power Series SDP Type 8xD



■ Burghie carbură cu canal intern pentru lichid răcire ØD: 3,0 ~ 12,0mm,5D



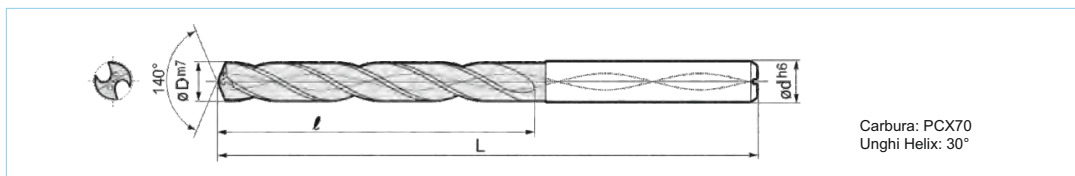
Cod	ØD (mm)	Coada ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
212653	3,0	6	SDP 0300 U7 HAK	70	32	86,94
212654	3,1		SDP 0310 U7 HAK			
212656	3,2		SDP 0320 U7 HAK			
212658	3,3		SDP 0330 U7 HAK			
212659	3,4		SDP 0340 U7 HAK			
212660	3,5		SDP 0350 U7 HAK			
212662	3,6		SDP 0360 U7 HAK			
212663	3,7		SDP 0370 U7 HAK			
212664	3,8		SDP 0380 U7 HAK			
212665	3,9		SDP 0390 U7 HAK			
212667	4,0		SDP 0400 U7 HAK			
212668	4,1		SDP 0410 U7 HAK			
212669	4,2		SDP 0420 U7 HAK			
212673	4,5		SDP 0450 U7 HAK			
212674	4,6		SDP 0460 U7 HAK			
212676	4,7		SDP 0470 U7 HAK			
212678	4,8		SDP 0480 U7 HAK			
212679	4,9		SDP 0490 U7 HAK			
212680	5,0		SDP 0500 U7 HAK			
212681	5,1		SDP 0510 U7 HAK			
212683	5,2		SDP 0520 U7 HAK			
212684	5,3		SDP 0530 U7 HAK			
212685	5,4		SDP 0540 U7 HAK			
212686	5,5		SDP 0550 U7 HAK			
221943	5,55		SDP 0555 U7 HAK			
221944	5,6		SDP 0560 U7 HAK			
212688	5,8		SDP 0580 U7 HAK			
212690	6,0		SDP 0600 U7 HAK			
221945	6,1		SDP 0610 U7 HAK			
212691	6,2		SDP 0620 U7 HAK			
212692	6,3	SDP 0630 U7 HAK				
221946	6,4	SDP 0640 U7 HAK				
212694	6,5	SDP 0650 U7 HAK				
212695	6,6	SDP 0660 U7 HAK				
212696	6,7	SDP 0670 U7 HAK				
212697	6,8	SDP 0680 U7 HAK				
212699	7,0	SDP 0700 U7 HAK				
212700	7,1	SDP 0710 U7 HAK				
221947	7,3	SDP 0730 U7 HAK				
212702	7,5	SDP 0750 U7 HAK				
212705	7,8	SDP 0780 U7 HAK				
212706	7,9	SDP 0790 U7 HAK				
212707	8,0	SDP 0800 U7 HAK				

Cod	ØD (mm)	Coada ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
220439	8,3	10	SDP 0830 U7 HAK	131	89	-
212710	8,4		SDP 0840 U7 HAK			
212711	8,5		SDP 0850 U7 HAK			
212713	8,7		SDP 0870 U7 HAK			
212714	8,8		SDP 0880 U7 HAK			
212715	9,0		SDP 0900 U7 HAK			
212716	9,1		SDP 0900 U7 HAK			
212718	9,3		SDP 0930 U7 HAK			
212719	9,4		SDP 0940 U7 HAK			
212720	9,5		SDP 0950 U7 HAK			
221802	9,6		SDP 0960 U7 HAK			
212721	9,7		SDP 0970 U7 HAK			
212724	10,0		SDP 1000 U7 HAK			
212725	10,2		SDP 1020 U7 HAK			
221953	10,3		SDP 1030 U7 HAK			
212726	10,5	SDP 1050 U7 HAK				
221956	10,6	SDP 1060 U7 HAK				
221961	10,7	SDP 1070 U7 HAK				
212727	10,8	SDP 1080 U7 HAK				
212728	11,0	SDP 1100 U7 HAK				
216851	11,1	SDP 1110 U7 HAK				
221963	11,3	SDP 1130 U7 HAK				
212730	11,5	SDP 1150 U7 HAK				
221965	11,6	SDP 1160 U7 HAK				
212731	11,8	SDP 1180 U7 HAK				
212732	12,0	SDP 1200 U7 HAK				
212734	12,5	SDP 1250 U7 HAK				
212736	13,0	SDP 1300 U7 HAK				
212737	13,5	SDP 1350 U7 HAK				
221967	13,7	SDP 1370 U7 HAK				
212738	14,0	SDP 1400 U7 HAK				
212739	14,2	SDP 1420 U7 HAK				
212740	14,5	SDP 1450 U7 HAK				
212741	15,0	SDP 1500 U7 HAK				
212743	16,0	SDP 1600 U7 HAK				

# SumiDrill Power Series SDPX Type 3xD



■ Burghie carbură cu canal intern pentru lichid răcire ØD: 3,0 ~ 12,0mm, 5D



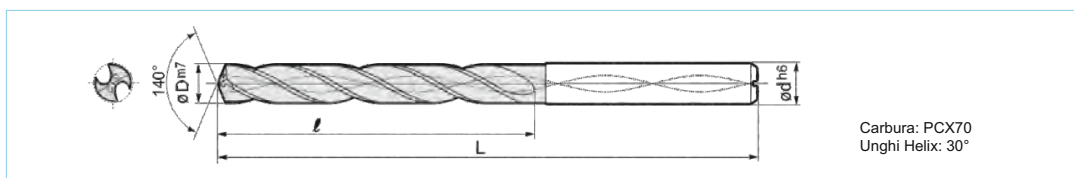
Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
281712	3,0		SDPX0300S06H03PCH70			34,08
281715	3,1		SDPX0310S06H03PCH70			
281721	3,3		SDPX0330S06H03PCH70			
281724	3,4		SDPX0340S06H03PCH70			
281727	3,5		SDPX0350S06H03PCH70			
281730	3,7		SDPX0370S06H03PCH70			
281733	3,8		SDPX0380S06H03PCH70			37,02
281737	4,0		SDPX0400S06H03PCH70			
281740	4,1		SDPX0410S06H03PCH70			
281743	4,2		SDPX0420S06H03PCH70			
281746	4,3		SDPX0430S06H03PCH70			
281750	4,5		SDPX0450S06H03PCH70			
281753	4,6		SDPX0460S06H03PCH70			
281759	4,8		SDPX0480S06H03PCH70			
281762	4,9		SDPX0490S06H03PCH70			
281764	5,0		SDPX0500S06H03PCH70			
281767	5,1		SDPX0510S06H03PCH70			
281770	5,2		SDPX0520S06H03PCH70			
281773	5,3		SDPX0530S06H03PCH70			
281777	5,5		SDPX0550S06H03PCH70			
281780	5,55		SDPX0555S06H03PCH70			50,64
281783	5,6		SDPX0560S06H03PCH70			
281786	5,7		SDPX0570S06H03PCH70			
281789	5,8		SDPX0580S06H03PCH70			
281793	6,0		SDPX0600S06H03PCH70			
281796	6,1		SDPX0610S06H03PCH70			
281798	6,2		SDPX0620S08H03PCH70			
281801	6,3		SDPX0630S08H03PCH70			
281803	6,4		SDPX0640S08H03PCH70			
281806	6,5		SDPX0650S08H03PCH70			
281809	6,6		SDPX0660S06H03PCH70			
281814	6,8		SDPX0680S08H03PCH70			
281817	6,9		SDPX0690S06H03PCH70			
281820	7,0		SDPX0700S08H03PCH70			
281823	7,1		SDPX0710S08H03PCH70			
281826	7,2		SDPX0720S08H03PCH70			
281828	7,3		SDPX0730S08H03PCH70			
281831	7,4		SDPX0740S08H03PCH70			
281834	7,5		SDPX0750S08H03PCH70			
281837	7,6		SDPX0760S08H03PCH70			
281839	7,7		SDPX0770S08H03PCH70			
281842	7,8		SDPX0780S08H03PCH70			
281845	7,9		SDPX0790S08H03PCH70			
281847	8,0		SDPX0800S08H03PCH70			

Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)	
				L	ℓ		
281850	8,1		SDPX0810S10H03PCH70			53,46	
281853	8,2		SDPX0820S10H03PCH70				
281856	8,3		SDPX0830S10H03PCH70				
281858	8,4		SDPX0840S10H03PCH70				
281861	8,5		SDPX0850S10H03PCH70				
281864	8,6		SDPX0860S10H03PCH70				
281867	8,7		SDPX0870S10H03PCH70				
281870	8,8		SDPX0880S10H03PCH70				
281873	8,9		SDPX0890S10H03PCH70				
281875	9,0		SDPX0900S10H03PCH70				
281878	9,1		SDPX0910S10H03PCH70				
281883	9,3		SDPX0930S10H03PCH70				
281886	9,4		SDPX0940S10H03PCH70				
281889	9,5		SDPX0950S10H03PCH70				
281892	9,6		SDPX0960S10H03PCH70				
281894	9,7		SDPX0970S10H03PCH70				
281897	9,8		SDPX0980S10H03PCH70				
281900	9,9		SDPX0990S10H03PCH70				
281903	10,0		SDPX1000S10H03PCH70			83,64	
281906	10,1		SDPX1010S12H03PCH70				
281909	10,2		SDPX1020S12H03PCH70				
281912	10,3		SDPX1030S12H03PCH70				
281914	10,4		SDPX1040S12H03PCH70				
281917	10,5		SDPX1050S12H03PCH70				
281920	10,6		SDPX1060S12H03PCH70				
281923	10,8		SDPX1080S12H03PCH70				
281926	11,0		SDPX1100S12H03PCH70				
281929	11,1		SDPX01110S12H03PCH70				
281931	11,2		SDPX1120S12H03PCH70				
281936	11,4		SDPX1140S12H03PCH70				
281938	11,5		SDPX1150S12H03PCH70				
281942	11,7		SDPX1170S12H03PCH70				
281945	11,8		SDPX1180S12H03PCH70				
281948	12,0		SDPX1200S12H03PCH70			121,92	
281952	12,2		SDPX1220S14H03PCH70				
281956	12,5		SDPX1250S14H03PCH70				
281962	13,0		SDPX1300S14H03PCH70				
281968	13,5		SDPX1350S14H03PCH70				
281974	14,0		SDPX1400S14H03PCH70				
281977	14,5		SDPX1450S16H03PCH70				147,3
281979	15,0		SDPX1500S16H03PCH70				
281981	15,5		SDPX1550S16H03PCH70				
281983	16,0		SDPX1600S16H03PCH70				

## SumiDrill Power Series SDPX Type 5xD



■ Burghie carbură cu canal intern pentru lichid răcire ØD: 3,0 ~ 12,0mm, 5D



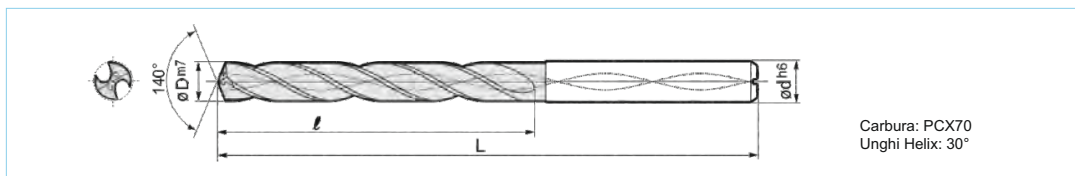
Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
281954	12,3		SDPX01230S08H05PCH70			132,54
281963	13,0		SDPX01300S08H05PCH70			
281713	3,0		SDPX0300S06H05PCH70			43,8
281716	3,1		SDPX0310S06H05PCH70			
281719	3,2		SDPX0320S06H05PCH70			
281722	3,3		SDPX0330S06H05PCH70			
281725	3,4		SDPX0340S06H05PCH70			
281728	3,5		SDPX0350S06H05PCH70			
281731	3,7		SDPX0370S06H05PCH70			
281734	3,8		SDPX0380S06H05PCH70			
281736	3,9		SDPX0390S06H05PCH70			47,28
281738	4,0		SDPX0400S06H05PCH70			
281741	4,1		SDPX0410S06H05PCH70			
281747	4,3		SDPX0430S06H05PCH70			
281749	4,4		SDPX0440S06H05PCH70			
281751	4,5		SDPX0450S06H05PCH70			
281754	4,6		SDPX0460S06H05PCH70			
281756	4,65		SDPX0465S06H05PCH70			
281758	4,7		SDPX0470S06H05PCH70			
281760	4,8		SDPX0480S06H05PCH70			
281763	4,9		SDPX0490S06H05PCH70			
281765	5,0		SDPX0500S06H05PCH70			
281768	5,1		SDPX0510S06H05PCH70			
281771	5,2		SDPX0520S06H05PCH70			
281774	5,3		SDPX0530S06H05PCH70			
281776	5,4		SDPX0540S06H05PCH70			
281778	5,5		SDPX0550S06H05PCH70			52,62
281781	5,55		SDPX0555S06H05PCH70			
281784	5,6		SDPX0560S06H05PCH70			
281790	5,8		SDPX0580S06H05PCH70			
281792	5,9		SDPX0590S06H05PCH70			
281794	6,0		SDPX0600S06H05PCH70			
281797	6,1		SDPX0610S08H05PCH70			
281799	6,2		SDPX0620S08H05PCH70			
281804	6,4		SDPX0640S08H05PCH70			
281807	6,5		SDPX0650S08H05PCH70			
281810	6,6		SDPX0660S08H05PCH70			
281812	6,7		SDPX0670S08H05PCH70			
281815	6,8		SDPX0680S08H05PCH70			
281818	6,9		SDPX0690S08H05PCH70			
281821	7,0		SDPX0700S08H05PCH70			
281824	7,1		SDPX0710S08H05PCH70			
281827	7,2		SDPX0720S08H05PCH70			
281829	7,3		SDPX0730S08H05PCH70			
281832	7,4		SDPX0740S08H05PCH70			
281835	7,5		SDPX0750S08H05PCH70			
281838	7,6		SDPX0760S08H05PCH70			
281840	7,7		SDPX0770S08H05PCH70			
281843	7,8		SDPX0780S08H05PCH70			
281846	7,9		SDPX0790S08H05PCH70			
281848	8,0		SDPX0800S08H05PCH70			
281851	8,1		SDPX0810S10H05PCH70			57,48
281854	8,2		SDPX0820S06H05PCH70			

Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
281857	8,3		SDPX0830S08H05PCH70			57,48
281859	8,4		SDPX0840S10H05PCH70			
281862	8,5		SDPX0850S10H05PCH70			
281865	8,6		SDPX0860S06H05PCH70			
281868	8,7		SDPX0870S10H05PCH70			
281871	8,8		SDPX0880S10H05PCH70			
281874	8,9		SDPX0890S10H05PCH70			
281879	9,1		SDPX0910S10H05PCH70			
281881	9,2		SDPX0920S10H05PCH70			
281884	9,3		SDPX0930S10H05PCH70			
281887	9,4		SDPX0940S10H05PCH70			
281890	9,5		SDPX0950S10H05PCH70			
281893	9,6		SDPX0960S10H05PCH70			
281895	9,7		SDPX0970S10H05PCH70			
281898	9,8		SDPX0980S10H05PCH70			
281901	9,9		SDPX0990S10H05PCH70			
281904	10,0		SDPX1000S10H05PCH70			
281907	10,1		SDPX1010S12H05PCH70			90,54
281910	10,2		SDPX1020S12H05PCH70			
281913	10,3		SDPX1030S06H05PCH70			
281915	10,4		SDPX1040S12H05PCH70			
281918	10,5		SDPX1050S12H05PCH70			
281921	10,6		SDPX1060S12H05PCH70			
281922	10,7		SDPX1070S12H05PCH70			
281924	10,8		SDPX1080S12H05PCH70			
281927	11,0		SDPX1100S06H05PCH70			
281930	11,1		SDPX1110S12H05PCH70			
281932	11,2		SDPX1120S12H05PCH70			
281934	11,3		SDPX1130S12H05PCH70			
281937	11,4		SDPX1140S12H05PCH70			
281939	11,5		SDPX1150S12H05PCH70			
281943	11,7		SDPX1170S12H05PCH70			
281946	11,8		SDPX1180S12H05PCH70			
281949	12,0		SDPX1200S12H05PCH70			
281951	12,1		SDPX1210S14H05PCH70			132,54
281953	12,2		SDPX1220S14H05PCH70			
281955	12,4		SDPX1240S14H05PCH70			
281957	12,5		SDPX1250S14H05PCH70			
281959	12,6		SDPX1260S14H05PCH70			
281960	12,7		SDPX1270S14H05PCH70			
281961	12,8		SDPX1280S14H05PCH70			
281965	13,1		SDPX1310S14H05PCH70			
281966	13,2		SDPX1320S14H05PCH70			
281967	13,4		SDPX1340S14H05PCH70			
281969	13,5		SDPX1350S14H05PCH70			
281971	13,7		SDPX1370S14H05PCH70			
281972	13,8		SDPX1380S14H05PCH70			
281973	13,9		SDPX1390S14H05PCH70			
281975	14,0		SDPX1400S14H05PCH70			
281978	14,5		SDPX1450S16H05PCH70			
281980	15,0		SDPX1500S16H05PCH70			
281982	15,5		SDPX1550S16H05PCH70			
281984	16,0		SDPX1600S16H05PCH70			

# SumiDrill Power Series SDPX Type 7xD



■ Burghie carbură cu canal intern pentru lichid răcire ØD: 3,0 ~ 12,0mm, 5D



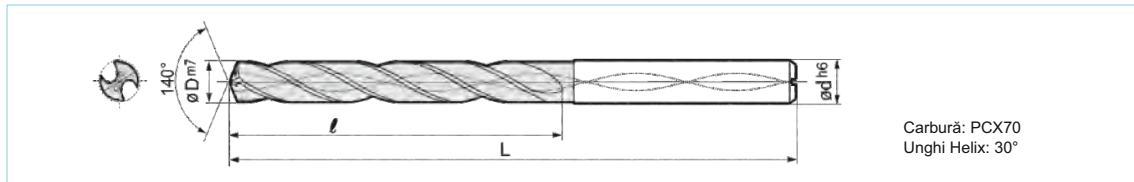
Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)	
				L	ℓ		
281714	3,0		SDPX0300S06H07PCH70			86,94	
281717	3,1		SDPX0310S06H07PCH70				
281720	3,2		SDPX0320S06H07PCH70				
281723	3,3		SDPX0330S06H07PCH70				
281726	3,4		SDPX0340S06H07PCH70				
281729	3,5		SDPX0350S06H07PCH70				
281732	3,7		SDPX0370S06H07PCH70				
281735	3,8		SDPX0380S06H07PCH70				
281739	4,0		SDPX0400S06H07PCH70				
281742	4,1		SDPX0410S06H07PCH70				
281745	4,2		SDPX0420S06H07PCH70				
281748	4,3		SDPX0430S06H07PCH70				
281752	4,5		SDPX0450S06H07PCH70				
281755	4,6		SDPX0460S06H07PCH70				
281757	4,65		SDPX0465S06H07PCH70				
281766	5,0		SDPX0500S06H07PCH70				
281769	5,1		SDPX0510S06H07PCH70				
281772	5,2		SDPX0520S06H07PCH70				
281775	5,3		SDPX0530S06H03PCH70				
281779	5,5		SDPX0550S06H07PCH70				
281782	5,55		SDPX0555S06H07PCH70				
281785	5,6		SDPX0560S06H07PCH70				
281788	5,7		SDPX0570S06H07PCH70				
281791	5,8		SDPX0580S06H07PCH70				
281795	6,0		SDPX0600S06H07PCH70				
281800	6,2		SDPX0620S08H07PCH70				91,8
281805	6,4		SDPX0640S08H07PCH70				
281808	6,5		SDPX0650S08H07PCH70				
281811	6,6		SDPX0660S08H07PCH70				
281813	6,7		SDPX0670S08H07PCH70				
281816	6,8		SDPX0680S08H07PCH70				
281819	6,9		SDPX0690S08H07PCH70				
281822	7,0		SDPX0700S08H07PCH70				
281825	7,1		SDPX0710S08H07PCH70				
281830	7,3		SDPX0730S08H07PCH70				
281833	7,4		SDPX0740S08H07PCH70				
281836	7,5		SDPX0750S08H07PCH70				

Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
281841	7,7		SDPX0770S08H07PCH70			91,8
281844	7,8		SDPX0780S08H07PCH70			
281849	8,0		SDPX0800S08H07PCH70			
281852	8,1		SDPX0810S10H07PCH70			
281855	8,2		SDPX0820S10H07PCH70			
281863	8,5		SDPX0850S10H07PCH70			
281866	8,6		SDPX0860S10H07PCH70			99,6
281869	8,7		SDPX0870S10H07PCH70			
281872	8,8		SDPX0880S10H07PCH70			
281877	9,0		SDPX0900S10H07PCH70			
281880	9,1		SDPX0910S10H07PCH70			
281882	9,2		SDPX0920S10H07PCH70			
281885	9,3		SDPX0930S10H07PCH70			
281888	9,4		SDPX0940S10H07PCH70			
281891	9,5		SDPX0950S10H07PCH70			
281896	9,7		SDPX0970S10H07PCH70			
281899	9,8		SDPX0980S10H07PCH70			
281902	9,9		SDPX0990S10H07PCH70			
281905	10,0		SDPX1000S10H07PCH70			
281908	10,1		SDPX1010S12H07PCH70			131,58
281911	10,2		SDPX1020S12H07PCH70			
281916	10,4		SDPX1040S12H07PCH70			
281919	10,5		SDPX1050S12H07PCH70			
281925	10,8		SDPX1080S12H07PCH70			
281928	11,0		SDPX1100S12H07PCH70			
281933	11,2		SDPX1120S12H07PCH70			
281935	11,3		SDPX1130S12H07PCH70			
281940	11,5		SDPX1150S12H07PCH70			
281941	11,6		SDPX1160S12H07PCH70			
281944	11,7		SDPX1170S12H07PCH70			
281947	11,8		SDPX1180S12H07PCH70			
281950	12,0		SDPX1200S12H07PCH70			186,36
281958	12,5		SDPX1250S14H07PCH70			
281964	13,0		SDPX1300S14H07PCH70			
281970	13,5		SDPX1350S14H07PCH70			
281976	14,0		SDPX1400S14H07PCH70			

# SumiDrill Power Series SDM Type 3xD



■ Burghie carbură cu canal intern pentru lichid răcire ØD: 3,0 ~ 12,0mm, 3D



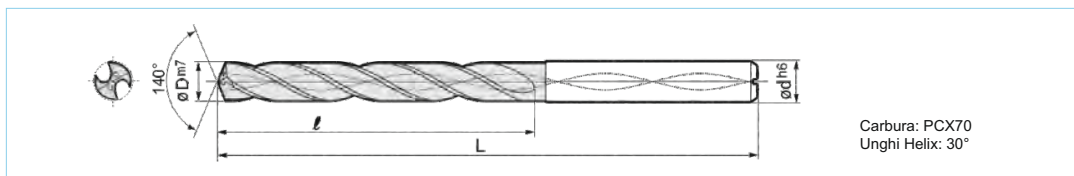
Cod	ØD (mm)	Coada ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ø	
229818	3,0	6	SDM0300U3HAK	62	20	34,08
229819	3,1		SDM0310U3HAK			
229821	3,2		SDM0320U3HAK			
229823	3,3		SDM0330U3HAK			
229824	3,4		SDM0340U3HAK			
229825	3,5		SDM0350U3HAK			
229828	3,7		SDM0370U3HAK			
229829	3,8		SDM0380U3HAK			
229830	3,9		SDM0390U3HAK			
229833	4,1		SDM0410U3HAK			
229834	4,2		SDM0420U3HAK			
229835	4,3		SDM0430U3HAK			
229838	4,5		SDM0450U3HAK			
229840	4,65		SDM0465U3HAK			
229841	4,7		SDM0470U3HAK			
229843	4,8		SDM0480U3HAK			
229844	4,9		SDM0490U3HAK			
229845	5,0		SDM0500U3HAK			
229846	5,1		SDM0510U3HAK			
229848	5,2		SDM0520U3HAK			
229849	5,3		SDM0530U3HAK			
229850	5,4		SDM0540U3HAK			
229851	5,5		SDM0550U3HAK			
229855	5,7		SDM0570U3HAK			
229856	5,8		SDM0580U3HAK			
229857	5,9		SDM0590U3HAK			
229859	6,0		SDM0600U3HAK			
229861	6,2		SDM0620U3HAK			
229862	6,3	SDM0630U3HAK				
229864	6,4	SDM0640U3HAK				
229865	6,5	SDM0650U3HAK				
229866	6,6	SDM0660U3HAK				
229867	6,7	SDM0670U3HAK				
229869	6,8	SDM0680U3HAK				
229870	6,9	SDM0690U3HAK				
229872	7,0	SDM0700U3HAK				
229873	7,1	SDM0710U3HAK				
229879	7,5	SDM0750U3HAK				
229882	7,7	SDM0770U3HAK				
229883	7,8	SDM0780U3HAK				

Cod	ØD (mm)	Coada ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ø	
229884	7,9	8	SDM0790U3HAK	79	40	50,64
229886	8,0		SDM0800U3HAK			
229887	8,1		SDM0810U3HAK			
229891	8,4		SDM0840U3HAK			
229892	8,5		SDM0850U3HAK			
229893	8,6		SDM0860U3HAK			
229894	8,7		SDM0870U3HAK			
229896	8,8		SDM0880U3HAK			
229897	8,9		SDM0890U3HAK			
229898	9,0		SDM0900U3HAK			
229901	9,2	SDM0920U3HAK				
229903	9,3	SDM0930U3HAK				
229905	9,4	SDM0940U3HAK				
229906	9,5	SDM0950U3HAK				
229908	9,6	SDM0960U3HAK				
229909	9,7	SDM0970U3HAK				
229910	9,8	SDM0980U3HAK				
229914	10,1	SDM1010U3HAK				
229916	10,2	SDM1020U3HAK				
229917	10,3	SDM1030U3HAK				
229920	10,5	SDM1050U3HAK				
229922	10,7	SDM1070U3HAK				
229923	10,8	SDM1080U3HAK				
229924	10,9	SDM1090U3HAK				
229925	11,0	SDM1100U3HAK				
229926	11,1	SDM1110U3HAK				
229928	11,2	SDM1120U3HAK				
229929	11,3	SDM1130U3HAK				
229933	11,7	SDM1170U3HAK				
229934	11,8	SDM1180U3HAK				
229934	11,9	SDM1190U3HAK				
229943	12,5	SDM1250U3HAK				
229946	13,0	SDM1300U3HAK				
229950	13,5	SDM1350U3HAK				
229953	14,0	SDM1400U3HAK				
229957	14,5	SDM1450U3HAK				
229959	15,0	SDM1500U3HAK				
229963	16,0	SDM1600U3HAK				

# SumiDrill Power Series SDM Type 5xD



■ Burghie carbură cu canal intern pentru lichid răcire ØD: 3,0 ~ 12,0mm, 5D



Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
229964	3,0	6	SDM0300U5HAK	62	20	43,8
229965	3,1		SDM0310U5HAK			
229967	3,2		SDM0320U5HAK			
229969	3,3		SDM0330U5HAK			
229970	3,4		SDM0340U5HAK			
229971	3,5		SDM0350U5HAK			
229973	3,6		SDM0360U5HAK			
229974	3,7		SDM0370U5HAK			
229975	3,8		SDM0380U5HAK			
229976	3,9		SDM0390U5HAK			
229978	4,0		SDM0400U5HAK			
229980	4,1		SDM0410U5HAK			
229981	4,2		SDM0420U5HAK			
229982	4,3		SDM0430U5HAK			
229985	4,4		SDM0440U5HAK			
229986	4,5		SDM0450U5HAK			
229987	4,6		SDM0460U5HAK			
229988	4,7		SDM0470U5HAK			
229990	4,8		SDM0480U5HAK			
229991	4,9		SDM0490U5HAK			
229992	5,0		SDM0500U5HAK			
229994	5,1		SDM0510U5HAK			
229996	5,2		SDM0520U5HAK			
229997	5,3		SDM0530U5HAK			
229998	5,4		SDM0540U5HAK			
229999	5,5		SDM0550U5HAK			
230002	5,6		SDM0560U5HAK			
230003	5,7		SDM0570U5HAK			
230004	5,8	SDM0580U5HAK				
230005	5,9	SDM0590U5HAK				
230007	6,0	SDM0600U5HAK				
230009	6,2	SDM0620U5HAK				
230010	6,3	SDM0630U5HAK				
230012	6,4	SDM0640U5HAK				
230013	6,5	SDM0650U5HAK				
230014	6,6	SDM0660U5HAK				
230015	6,7	SDM0670U5HAK				
230017	6,8	SDM0680U5HAK				
230018	6,9	SDM0690U5HAK				
230019	7,0	SDM0600U5HAK				
230020	7,1	SDM0710U5HAK				
230022	7,2	SDM0720U5HAK				
230025	7,4	SDM0740U5HAK				
230026	7,5	SDM0750U5HAK				
230028	7,6	SDM0760U5HAK				
230029	7,7	SDM0770U5HAK				

Cod	ØD (mm)	Coadă Ød (mm)	Art.Nr. (L/D)	Dimens. (mm)		Preț (euro)
				L	ℓ	
230030	7,8	8	SDM0780U5HAK	91	53	52,62
230031	7,9		SDM0790U5HAK			
230033	8,0		SDM0800U5HAK			
230034	8,1		SDM0810U5HAK			
230036	8,3		SDM0830U5HAK			
230038	8,4		SDM0840U5HAK			
230039	8,5		SDM0850U5HAK			
230040	8,6		SDM0860U5HAK			
230041	8,7		SDM08740U5HAK			
230043	8,8		SDM0880U5HAK			
230045	9,0		SDM0890U5HAK			
230046	9,1		SDM0900U5HAK			
230050	9,3	SDM0910U5HAK				
230051	9,4	SDM0930U5HAK				
230052	9,5	SDM0950U5HAK				
230054	9,6	SDM0960U5HAK				
230055	9,7	SDM0970U5HAK				
230056	9,8	SDM0980U5HAK				
230059	10,0	SDM1000U5HAK				
230061	10,2	SDM1020U5HAK				
230062	10,3	SDM1030U5HAK				
230065	10,5	SDM1050U5HAK				
230066	10,6	SDM1060U5HAK				
230067	10,7	SDM1070U5HAK				
230068	10,8	SDM1080U5HAK				
230069	10,9	SDM1090U5HAK				
230070	11,0	SDM1100U5HAK				
230071	11,1	SDM1110U5HAK				
230073	11,2	SDM1120U5HAK				
230075	11,4	SDM1140U5HAK				
230076	11,5	SDM1150U5HAK				
230078	11,7	SDM1170U5HAK				
230079	11,8	SDM1180U5HAK				
230080	11,9	SDM1190U5HAK				
230082	12,0	SDM1200U5HAK				
230085	12,3	SDM1230U5HAK				
230087	12,5	SDM1250U5HAK				
230092	13,0	SDM1300U5HAK				
230097	13,5	SDM1350U5HAK				
230101	14,0	SDM1400U5HAK				
230104	14,5	SDM1450U5HAK				
230108	15,0	SDM1500U5HAK				
230112	15,5	SDM1550U5HAK				
230115	16,0	SDM1600U5HAK				

## SumiDrill Power Series SDP - SDPX Type ■ Regimuri aşchiere

Grupa de materiale						SDP ____ U_HAKPCX70					
ISO 513	Material prelucrat	Tip	R <sub>m</sub> N/mm <sup>2</sup>	Hardness HB30	Fitness	ØD: 3,0 - 6,0		ØD: 6,1 - 9,0		ØD: 9,1 - 12,0	
						V <sub>c</sub> =m/min	Avans (mm/rpm)	V <sub>c</sub> =m/min	Avans (mm/rpm)	V <sub>c</sub> =m/min	Avans (mm/rpm)
P	Oţel carbon Oţel turnat	oţeluri automate oţeluri de construcţii oţeluri cementabile oţeluri calibile oţel de arc	420	125	▲	50 - 80 - 120	0,15 - 0,20 - 0,25	70 - 110 - 140	0,20 - 0,25 - 0,35	80 - 120 - 160	0,25 - 0,30 - 0,45
			650	190	▲	50 - 80 - 120	0,15 - 0,20 - 0,25	70 - 110 - 140	0,20 - 0,25 - 0,35	80 - 120 - 160	0,25 - 0,30 - 0,45
			850	250	▲	50 - 80 - 120	0,15 - 0,20 - 0,25	70 - 110 - 140	0,20 - 0,25 - 0,35	80 - 120 - 160	0,25 - 0,30 - 0,45
			750	270	▲	50 - 80 - 120	0,15 - 0,20 - 0,25	70 - 110 - 140	0,20 - 0,25 - 0,35	80 - 120 - 160	0,25 - 0,30 - 0,45
			1000	300	▲	10 - 20 - 30	0,05 - 0,06 - 0,08	15 - 22 - 30	0,08 - 0,09 - 0,10	20 - 28 - 35	0,08 - 0,09 - 0,10
P	Oţeluri slab aliate	oţeluri cementabile oţeluri calibile oţel de rulment oţeluri ptr. nitrurare	600	180	▲	50 - 70 - 90	0,10 - 0,14 - 0,18	60 - 80 - 110	0,15 - 0,20 - 0,25	70 - 100 - 120	0,20 - 0,25 - 0,30
			930	275	▲	45 - 65 - 85	0,10 - 0,14 - 0,18	60 - 80 - 110	0,15 - 0,22 - 0,28	65 - 95 - 120	0,20 - 0,25 - 0,30
			1000	300	■	40 - 60 - 80	0,10 - 0,15 - 0,20	60 - 80 - 110	0,15 - 0,20 - 0,25	60 - 90 - 120	0,20 - 0,25 - 0,30
			1200	350	▲	35 - 55 - 75	0,10 - 0,15 - 0,20	55 - 75 - 110	0,15 - 0,22 - 0,28	55 - 80 - 110	0,20 - 0,27 - 0,35
P	Oţeluri înalt aliate	oţel de scule oţeluri refractare	680	200	■	30 - 40 - 50	0,10 - 0,15 - 0,20	30 - 40 - 50	0,12 - 0,20 - 0,23	30 - 40 - 50	0,12 - 0,20 - 0,25
			1100	325	■	20 - 30 - 40	0,10 - 0,12 - 0,15	20 - 30 - 40	0,12 - 0,15 - 0,20	20 - 30 - 40	0,14 - 0,18 - 0,25
M	Oţel inoxidabil	martensitic/ferritic martensitic austenitic Duplex	680	200	■	40 - 55 - 70	0,08 - 0,10 - 0,15	40 - 60 - 75	0,10 - 0,12 - 0,20	50 - 70 - 80	0,10 - 0,12 - 0,20
			820	240	●	30 - 45 - 60	0,08 - 0,10 - 0,15	40 - 60 - 70	0,10 - 0,12 - 0,20	50 - 60 - 80	0,10 - 0,12 - 0,20
			600	180	●	30 - 45 - 60	0,08 - 0,10 - 0,15	40 - 60 - 70	0,10 - 0,12 - 0,20	50 - 60 - 80	0,10 - 0,12 - 0,20
			740	230	●	30 - 45 - 60	0,06 - 0,08 - 0,12	40 - 60 - 70	0,08 - 0,10 - 0,18	50 - 60 - 80	0,10 - 0,10 - 0,18
K	Fonte GG	ferritic/pearlitic pearlitic	180	▲	50 - 70 - 90	0,15 - 0,20 - 0,30	60 - 80 - 100	0,20 - 0,25 - 0,35	70 - 100 - 120	0,25 - 0,30 - 0,35	
			260	▲	40 - 60 - 80	0,15 - 0,20 - 0,30	50 - 70 - 90	0,20 - 0,25 - 0,35	60 - 80 - 100	0,25 - 0,30 - 0,35	
	Fonte GGG	ferritic pearlitic	160	▲	50 - 70 - 90	0,15 - 0,18 - 0,25	60 - 80 - 100	0,20 - 0,25 - 0,35	70 - 100 - 120	0,25 - 0,30 - 0,35	
			250	▲	40 - 60 - 80	0,15 - 0,18 - 0,25	50 - 70 - 90	0,20 - 0,25 - 0,35	70 - 80 - 100	0,25 - 0,30 - 0,35	
S	Oţeluri rezistente la temperatură	Pe bază de Fe		■	10 - 20 - 30	0,08 - 0,09 - 0,10	15 - 22 - 32	0,08 - 0,10 - 0,12	20 - 28 - 35	0,10 - 0,12 - 0,15	
		Pe bază de Ni/Co		■	10 - 20 - 30	0,08 - 0,09 - 0,10	15 - 22 - 32	0,08 - 0,10 - 0,12	20 - 28 - 35	0,10 - 0,12 - 0,15	
S	Titan Aliaje de Titan	Titan pur	430								
		Pe bază de Titan		■	10 - 20 - 30	0,05 - 0,06 - 0,08	15 - 22 - 32	0,08 - 0,09 - 0,10	20 - 28 - 35	0,08 - 0,09 - 0,10	
N	Aliaje de cupru	Alamă		■	80 - 100 - 120	0,15 - 0,20 - 0,25	110 - 130 - 180	0,20 - 0,25 - 0,30	160 - 180 - 200	0,25 - 0,30 - 0,35	
H	Oţel călit	45 HRC		■	10 - 20 - 30	0,08 - 0,09 - 0,10	15 - 22 - 32	0,08 - 0,10 - 0,12	20 - 28 - 35	0,12 - 0,15 - 0,20	

## SDM Type

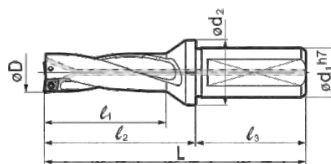
▲ Aplicaţie principală      ■ utilizare posibilă      ● Optional

Material Group						SDM ____ U_HAKPCX70					
ISO 513	Material prelucrat	Tip	R <sub>m</sub> N/mm <sup>2</sup>	Hardness HB30	Fitness	ØD: 3,0 - 6,0		ØD: 6,1 - 10,0		ØD: 10,1 - 16,0	
						V <sub>c</sub> =m/min	Avans (mm/rev)	V <sub>c</sub> =m/min	Avans (mm/rev)	V <sub>c</sub> =m/min	Avans (mm/rev)
P	Oţel carbon Oţel turnat	oţeluri automate oţeluri de construcţii oţeluri cementabile oţeluri calibile oţel de arc	420	125	●	80 - 100 - 120	0,08 - 0,11 - 0,14	80 - 100 - 120	0,10 - 0,15 - 0,20	80 - 100 - 120	0,20 - 0,25 - 0,30
			650	190	●	80 - 100 - 120	0,08 - 0,11 - 0,14	80 - 100 - 120	0,10 - 0,15 - 0,20	80 - 100 - 120	0,20 - 0,25 - 0,30
			850	250	●	80 - 100 - 120	0,08 - 0,11 - 0,14	80 - 100 - 120	0,10 - 0,15 - 0,20	80 - 100 - 120	0,20 - 0,25 - 0,30
			750	270	●	40 - 60 - 100	0,08 - 0,10 - 0,12	40 - 60 - 100	0,10 - 0,12 - 0,16	40 - 60 - 100	0,15 - 0,17 - 0,20
			1000	300							
P	Oţeluri slab aliate	oţeluri cementabile oţeluri calibile oţel de rulment oţeluri ptr. nitrurare	600	180	●	80 - 100 - 120	0,08 - 0,11 - 0,14	80 - 100 - 120	0,10 - 0,15 - 0,20	80 - 100 - 120	0,20 - 0,25 - 0,30
			930	275	●	40 - 60 - 100	0,08 - 0,10 - 0,12	40 - 60 - 100	0,10 - 0,12 - 0,16	40 - 60 - 100	0,15 - 0,17 - 0,20
			1000	300							
			1200	350							
P	Oţeluri înalt aliate	oţel de scule oţeluri refractare	680	200	●	40 - 60 - 100	0,08 - 0,10 - 0,12	40 - 60 - 100	0,10 - 0,12 - 0,16	40 - 60 - 100	0,15 - 0,17 - 0,20
			1100	325							
M	Oţel inoxidabil	martensitic/ferritic martensitic/ferritic martensitic austenitic austenitic Duplex Îmbătrânite	680	200	▲	40 - 60 - 100	0,08 - 0,10 - 0,12	40 - 60 - 100	0,10 - 0,14 - 0,18	40 - 60 - 100	0,15 - 0,20 - 0,25
			> 200	▲	30 - 50 - 80	0,08 - 0,10 - 0,12	30 - 50 - 80	0,10 - 0,14 - 0,18	30 - 50 - 80	0,15 - 0,20 - 0,25	
			820	240	▲	30 - 50 - 80	0,08 - 0,10 - 0,12	30 - 50 - 80	0,10 - 0,14 - 0,18	30 - 50 - 80	0,15 - 0,20 - 0,25
			600	180	▲	40 - 60 - 100	0,08 - 0,10 - 0,12	40 - 60 - 100	0,10 - 0,14 - 0,18	40 - 60 - 100	0,15 - 0,20 - 0,25
			> 200	▲	30 - 50 - 80	0,08 - 0,10 - 0,12	30 - 50 - 80	0,10 - 0,14 - 0,18	30 - 50 - 80	0,15 - 0,20 - 0,25	
			740	230	▲	30 - 45 - 70	0,08 - 0,10 - 0,12	30 - 45 - 70	0,10 - 0,14 - 0,18	30 - 45 - 70	0,15 - 0,20 - 0,25
S	Oţeluri rezistente la temperatură	Pe bază de Fe		●	20 - 30 - 40	0,06 - 0,08 - 0,10	20 - 30 - 40	0,08 - 0,10 - 0,12	20 - 30 - 40	0,10 - 0,12 - 0,15	
		Pe bază de Ni/Co		●	20 - 30 - 40	0,06 - 0,08 - 0,10	20 - 30 - 40	0,08 - 0,10 - 0,12	20 - 30 - 40	0,10 - 0,12 - 0,15	
S	Titan Aliaje de Titan	Titan pur	430								
		Pe bază de Titan		●	20 - 30 - 40	0,06 - 0,08 - 0,10	20 - 30 - 40	0,08 - 0,10 - 0,12	20 - 30 - 40	0,10 - 0,12 - 0,15	

▲ Aplicaţie principală      ■ utilizare posibilă      ● Optional

## Burghie cu placuță "SumiDrill" Tip WDX(3D)

Adâncime max : 3xD



Tolerante : +0,00 ~ +0,20

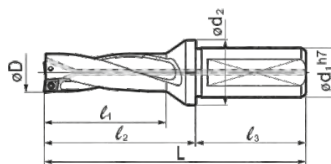


### ■ Corp

Cat. No □ = 3/5	D(mm)	d1	d1	l3	Plac. coresp.	3XD				Preț (euro)	5XD				Preț (euro)					
						cod	L	l1	l2		cod	L	l1	l2						
WDX130D□S20	13,0	20	28	44	WDXT 0420..	206940	101,0	42,0	57,0	341,19	211172	127,0	68,0	83,0	419,67					
WDX135D□S20	13,5					206943	102,5	43,5	58,5		211173	129,5	70,5	85,5						
WDX140D□S20	14,0					206946	104,0	45,0	60,0		211174	132,0	73,0	88,0						
WDX145D□S20	14,5					206949	105,5	46,5	61,5		211175	134,5	75,5	90,5						
WDX150D□S20	15,0					206952	107,0	58,0	63,0		209738	137,0	78,0	93,0						
WDX155D□S20	15,5					30	30	WDXT 0525..	206955		108,5	49,5	64,0	348,93		211176	139,5	80,5	95,5	432,72
WDX160D□S20	16,0								206958		110,0	51,0	66,0			211177	142,0	83,0	98,0	
WDX165D□S20	16,5								206961		110,5	52,5	67,5			211178	144,5	85,5	100,5	
WDX170D□S20	17,0								206964		113,0	54,0	69,0			211179	147,0	88,0	103,0	
WDX175D□S25	17,5								206967		126,5	55,5	70,5			209809	161,5	90,5	105,5	
WDX180D□S25	18,0	32	32	WDXT 0630..	206970				128,0	57,0	72,0	353,25	211180		164,0	93,0	108,0	445,95		
WDX185D□S25	18,5				205831				129,5	58,5	73,5		211181		166,5	95,5	110,5			
WDX190D□S25	19,0				205832				131,0	60,0	75,0		211182		169,0	98,0	113,0			
WDX195D□S25	19,5				205833				132,5	61,5	76,5		211183		171,5	100,5	115,5			
WDX200D□S25	20,0				205664				134,0	63,0	78,0		211184		174,0	103,0	118,0			
WDX205D□S25	20,5				25	33	56	205834	135,5	64,5	79,5		374,58	211185	176,5	105,5	120,5		472,32	
WDX210D□S25	21,0							205835	137,0	66,0	81,0			211186	179,0	108,0	123,0			
WDX215D□S25	21,5							205836	138,5	67,5	82,5			211187	181,5	110,5	125,5			
WDX220D□S25	22,0							205837	140,0	69,0	84,0			209737	184,0	113,0	128,0			
WDX225D□S25	22,5							205838	141,5	70,5	85,5			211188	186,5	115,5	130,5			
WDX230D□S25	23,0	37	37	WDXT 0735..				205839	146,0	72,0	90,0	426,24		211189	192,0	118,0	136,0	550,98		
WDX235D□S25	23,5							205840	147,5	73,5	91,5			211190	194,5	120,5	138,5			
WDX240D□S25	24,0							205841	149,0	75,0	93,0			211191	197,0	123,0	141,0			
WDX245D□S25	24,5							205842	150,5	76,5	94,5			211192	199,5	125,5	143,5			
WDX250D□S25	25,0							205843	152,0	78,0	96,0			211193	202,0	128,0	146,0			
WDX255D□S32	25,5				32	41	154 +B37 :B72	205845	159,5	79,5	97,5		441,99	-	-	-	-		603,54	
WDX260D□S32	26,0							205846	161,0	81,0	101,0			211194	213,0	133,0	153,0			
WDX265D□S32	26,5							205848	162,5	82,5	102,5			-	-	-	-			
WDX270D□S32	27,0							205849	164,0	84,0	104,0			211195	218,0	138,0	158,0			
WDX275D□S32	27,5							205850	165,5	85,5	105,5			-	-	-	-			
WDX280D□S32	28,0	50	50	WDXT 0940..				205852	167,0	87,0	107,0	470,97		211196	223,0	143,0	163,0	711,90		
WDX285D□S32	28,5							205853	168,5	88,5	108,5			-	-	-	-			
WDX290D□S32	29,0							205854	172,0	91,0	112,0			211197	230,0	149,0	170,0			
WDX295D□S32	29,5							205855	173,5	92,5	113,5			-	-	-	-			
WDX300D□S40	30,0							54	54	WDXT 1250..	205856			188,0	94,0	118,0	537,84			211198
WDX310D□S40	31,0				205857	191,0	97,0				121,0		211199	253,0	159,0	183,0				
WDX320D□S40	32,0				205858	194,0	100,0				124,0		211200	258,0	164,0	188,0				
WDX330D□S40	33,0				205860	197,0	103,0				127,0		211201	263,0	169,0	193,0				
WDX340D□S40	34,0				205861	200,0	106,0				130,0		211202	268,0	174,0	198,0				
WDX350D□S40	35,0				205864	203,0	109,0				133,0		211203	273,0	179,0	203,0				
WDX360D□S40	36,0	205865	206,0	112,0	136,0	211204	278,0				184,0	208,0								
WDX370D□S40	37,0	49,5	49,5	WDXT 1250..	207720	216,0	116,0				146,0	537,84	224909	290,0	190,0	220,0		711,90		
WDX380D□S40	38,0				207723	219,0	119,0				149,0		218741	295,0	184,0	225,0				
WDX390D□S40	39,0				207726	222,0	122,0				152,0		224910	300,0	200,0	230,0				
WDX390D□S40	40,0				207732	225,0	125,0	155,0	401247	305,0	205,0		235,0							
WDX410D□S40	41,0				207952	228,0	128,0	158,0	218738	310,0	210,0		240,0							
WDX420D□S40	42,0				207955	231,0	131,0	161,0	224911	315,0	215,0		245,0							
WDX430D□S40	43,0				207957	228,0	134,0	164,0	220753	320,0	220,0		250,0							

## Burghie cu placuță "SumiDrill" Tip WDX(3D)

Adâncime max : 3xD



Tolerante : +0,00 ~ +0,20



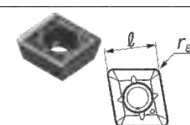
### ■ Corp

Cat. No □ = 3/5	D(mm)	d1	d1	I3	Plac. coresp.	3XD			Preț (euro)	5XD			Preț (euro)					
						cod	L	I1		I2	cod	L		I1	I2			
WDX440D□S40	44,0	40	49,5	70	WDXT 1250..	207960	237	137	167	537,84	224912	325	225	255	711,90			
WDX450D□S40	45,0					207963	240	140	170		224913	330	230	260				
WDX460D□S40	46,0					207966	243	143	173		224914	335	235	265				
WDX470D□S40	47,0				WDXT 1560..	70	70	207969	246	146	176	591,84	224915	340	240	270	731,16	
WDX480D□S40	48,0							207975	249	149	179		221885	345	245	275		
WDX490D□S40	49,0							207978	252	152	182		222155	350	250	280		
WDX500D□S40	50,0							207982	255	155	185		224916	355	255	285		
WDX510D□S40	51,0							207984	258	158	188		224919	360	260	285		
WDX520D□S40	52,0							207987	261	161	191		224922	365	265	295		
WDX530D□S40	53,0				50,5	WDXT 1860..	70	207990	264	164	194	650,52	224923	370	270	300	818,10	
WDX540D□S40	54,0				51,5			207993	267	167	197		304222	375	275	305		
WDX550D□S40	55,0				52,5			207800	270	170	200		224924	380	280	310		
WDX560D□S40	56,0				53,5			211206	278	176	208		-	-	-	-		
WDX570D□S40	57,0				54			211209	281	179	211		-	-	-	-		
WDX580D□S40	58,0				55			211212	284	182	214		692,82	-	-	-		-
WDX590D□S40	59,0				56			211215	287	185	217			-	-	-		-
WDX600D□S40	60,0				57			211218	290	188	220			-	-	-		-
WDX610D□S40	61,0				58			211221	293	191	223		723,60	-	-	-		-
WDX620D□S40	62,0				59			211224	296	194	226			-	-	-		-
WDX630D□S40	63,0	60	211227	299	197			229	-	-	-			-				
WDX640D□S40	64,0	61	211230	302	200			232	-	-	-			-				
WDX650D□S40	65,0	62	211232	305	203	235	-	-	-	-								

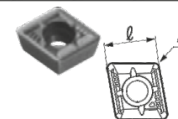
### ■ Plăcuțe

Cod	Cat. No.	Dimensiuni(mm)			Corp burghiu	Preț (euro)
		ℓ	Grosime	r <sub>ε</sub>		
ACP300						
206977	WDXT 042004-L	4,2	2,0	0,4	WDX 130 ~ 150	10,90
206973	WDXT 042004-G					
206975	WDXT 042004-H					
206983	WDXT 052504-L	5,0	2,5	0,4	WDX 155 ~ 180	11,80
206979	WDXT 052504-G					
206981	WDXT 052504-H					
205599	WDXT 063006-L	6,0	3,0	0,6	WDX 185 ~ 225	12,10
206442	WDXT 063006-G					
206443	WDXT 063006-H					
205600	WDXT 073506-L	7,5	3,5	0,6	WDX 230 ~ 285	13,30
206438	WDXT 073506-G					
206353	WDXT 073506-H					
205601	WDXT 094008-L	9,6	4,0	0,8	WDX 290 ~ 360	14,90
206441	WDXT 094008-G					
206444	WDXT 094008-H					
208161	WDXT 125012-L	12,4	5,0	1,2	WDX 370 ~ 450	16,20
208157	WDXT 125012-G					
208159	WDXT 125012-H					
208167	WDXT 156012-L	15,2	6,0	1,2	WDX 460 ~ 550	16,90
208163	WDXT 156012-G					
208165	WDXT 156012-H					
211240	WDXT 186012-G	18,0	6,0	1,2	WDX 560 ~ 650	18,30

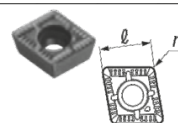
Cod	Cat. No.	Dimensiuni(mm)			Corp burghiu	Preț (euro)
		ℓ	Grosime	r <sub>ε</sub>		
ACK300						
206976	WDXT 042004-L	4,2	2,0	0,4	WDX 130 ~ 150	10,90
206972	WDXT 042004-G					
206974	WDXT 042004-H					
206982	WDXT 052504-L	5,0	2,5	0,4	WDX 155 ~ 180	11,80
206978	WDXT 052504-G					
206980	WDXT 052504-H					
206208	WDXT 063006-L	6,0	3,0	0,6	WDX 185 ~ 225	12,10
206487	WDXT 063006-G					
206488	WDXT 063006-H					
206209	WDXT 073506-L	7,5	3,5	0,6	WDX 230 ~ 285	13,30
206380	WDXT 073506-G					
206489	WDXT 073506-H					
500685	WDXT 094008-L	9,6	4,0	0,8	WDX 290 ~ 360	14,90
206440	WDXT 094008-G					
206378	WDXT 094008-H					
208160	WDXT 125012-L	12,4	5,0	1,2	WDX 370 ~ 450	16,20
208156	WDXT 125012-G					
208158	WDXT 125012-H					
208166	WDXT 156012-L	15,2	6,0	1,2	WDX 460 ~ 550	16,90
208162	WDXT 156012-G					
208164	WDXT 156012-H					
211239	WDXT 186012-G	18,0	6,0	1,2	WDX 560 ~ 650	18,30



**Tip L**  
Bun control al spanului la avansuri mici

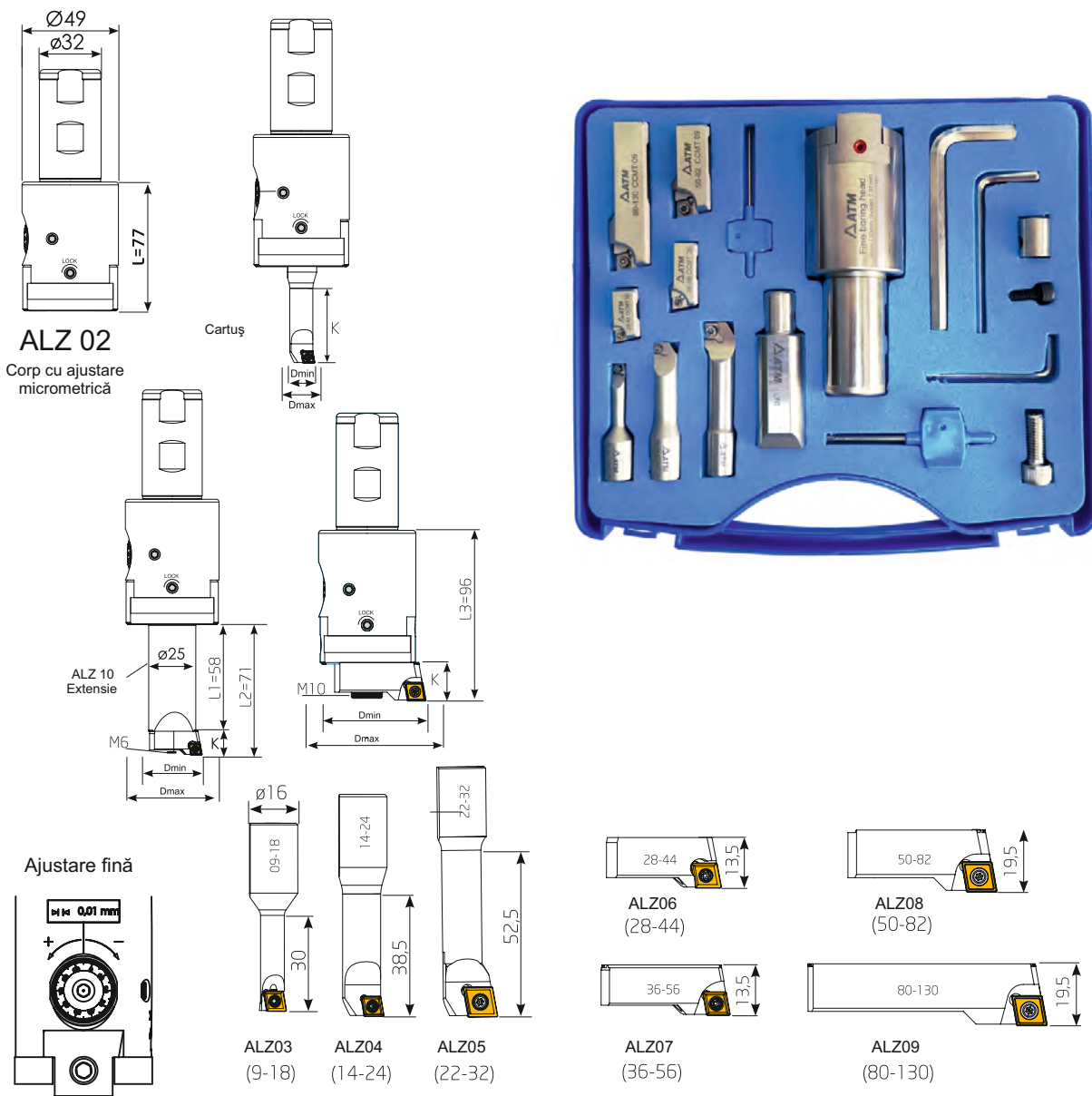


**Tip G**  
Fragmentator de uz general

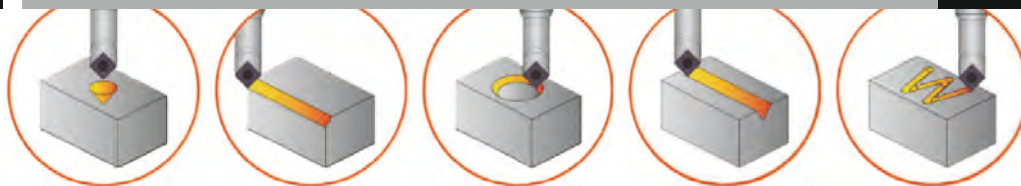


**Tip H**  
Mucchie protejată pentru avansuri mari

## ALZ 01 SET - Trusă de alezat 9mm - 130mm



Cod	Stoc	Descriere produs	Dimensiune							Plăcuță	Șurub/Cod	Șurubelniță
			K	L1	L2	L3	-	kg	Preț (euro)			
ATM1032	●	ALZ01 Set	...	...	...	...	9-130	3,100	900,00			
ATM1046	○	ALZ02 Corp Micrometric	...	...	...	...	...	-	la cerere	...	...	...
ATM1047	○	ALZ03 Cartuș 09-18	32,5	...	...	...	9-18	-	la cerere	CCMT 0602	TC059-1 ATM1034	T8
ATM1048	○	ALZ04 Cartuș 14-24	39,6	...	...	...	14-24	-	la cerere	CCMT 0602	TC060 ATM1189	T8
ATM1049	○	ALZ05 Cartuș 22-32	52,5	...	...	...	22-32	-	la cerere	CCMT 09T3	TC067 ATM1190	T15
ATM1050	○	ALZ06 Cartuș 28-44	13,7	...	71	...	28-44	-	la cerere	CCMT 0602	TC060 ATM1189	T8
ATM1051	○	ALZ07 Cartuș 36-56	13,7	...	71	...	36-56	-	la cerere	CCMT 0602	TC060 ATM1189	T8
ATM1052	○	ALZ08 Cartuș 50-82	19,5	...	...	95,5	50-82	-	la cerere	CCMT 09T3	TC067 ATM1190	T15
ATM1053	○	ALZ09 Cartuș 80-130	19,5	...	...	95,5	80-130	-	la cerere	CCMT 09T3	TC067 ATM1190	T15
ATM1054	○	ALZ10 Extensie	...	58	...	...	...	-	la cerere	...	...	...



**Centrare**

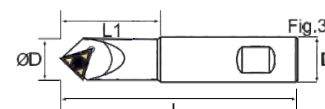
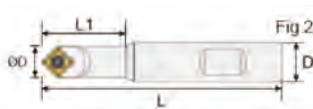
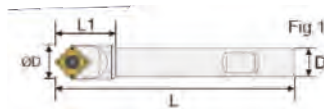
**Șanfrenare**

**Zencuire**

**Canal**

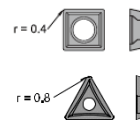
**Gravură**

## DTS Series



Cod	D	(L1)	(L)	Coadă (Ds)	Grade	Plăcuță	Fig	Preț (euro)
IDTS10 - 100	2 ~ 11	29	100	10	90°	SCMX09	1	52,10
IDTS12 - 100	2 ~ 11	29	100	12	90°	SCMX09	2	52,10
IDTS16 - 100	2 ~ 11	29	100	16	90°	SCMX09	2	52,80
IDTS16 - 130	2 ~ 11	29	100	16	90°	SCMX09	2	54,90
IDTS20 - 120	3 ~ 20	42	120	20	90°	TCMX16	3	64,20

Cod	DENUMIRE	Preț (euro)
ATM1017	SCMX09T304-SP-CX31NA	12,44
ATM1024	SCGX09T304-AG-CX01	14,70
ATM1212	TCMX16T308-MP-CX32H	12,44
ATM1214	Șurub pentru IDTS	2,10



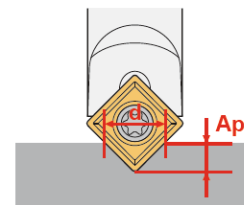
## Condiții de tăiere recomandate

### Punctare

Material	VC (m/min)	Fr (mm/rev)
<b>P</b> Oțel carbon	60 ~ 220	0.05 ~ 0.10
Oțel turnat	50 ~ 180	0.04 ~ 0.08
<b>M</b> Oțel inoxidabil	30 ~ 120	0.03 ~ 0.06
<b>K</b> Fonta	40 ~ 130	0.05 ~ 0.10
<b>H</b> Oțel călit	20 ~ 60	0.03 ~ 0.08

### Șanfrenare / Zencuire / Canelare

Material	VC (m/min)	Fr (mm/rev)
<b>P</b> Oțel carbon	60 ~ 270	0.15 ~ 0.24
Oțel turnat	50 ~ 220	0.12 ~ 0.20
<b>M</b> Oțel inoxidabil	35 ~ 120	0.10 ~ 0.20
<b>K</b> Fonta	60 ~ 220	0.15 ~ 0.25
<b>H</b> Oțel călit	20 ~ 60	0.03 ~ 0.08



$$d \approx (A_p + 0.3) \times 2$$

$$n = \frac{V_c \times 1000}{d \times \pi}$$

## B180 Alezoare de mașină pentru bucle de precizie

**B180**



### Utilizare principală

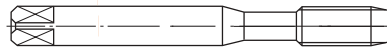
- oțel moale, oțel structural, oțel carbon
- oțel aliat, inox ușor prelucrabil
- fonta cu profil lanelar, titan, bronz, alamă

### Utilizare posibilă

- oțel aliat - îmbunătățit, inox austenitic, feritic - austenitic, aliaje de nichel, fontă, cupru, bronz, alamă

Cod	d <sub>1</sub> Ø mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>3</sub> mm	z	d <sub>2</sub> Øh <sub>6</sub> mm	Preț (euro)
86012855	2.0	49	11	24	4	2	20,31
86012866	3.0	61	15	32	6	3	18,69
86012876	4.0	75	19	43	6	4	20,31
86012886	5.0	86	23	52	6	5	21,12
86012896	6.0	93	26	57	6	6	22,53
86012906	7.0	109	31	69	6	8	26,91
86012914	8.0	117	33	75	6	8	27,99
86012926	9.0	125	36	81	6	10	32,40
86012845	10.0	133	38	87	6	10	32,94
86012846	11.0	142	41	96	6	10	46,62
86012847	12.0	151	44	105	6	10	48,36
86012848	13.0	151	44	105	6	10	53,82
86012849	14.0	160	47	110	8	14	55,98
86012850	15.0	162	50	112	8	14	57,06
86012851	16.0	170	52	120	8	14	59,28
86012852	17.0	175	54	123	8	14	70,20
86012853	18.0	182	56	130	8	14	72,60
86012854	19.0	189	58	131	8	16	84,60
86012865	20.0	195	60	137	8	16	81,00





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Tarozi - uz general

FILET	CLASA	CON ASCUTIRE	L	K	DIN	PO		PO TIN		SP		SP - BLF TIN			
						Cod	Preț (euro)	Cod	Preț (euro)	Cod	Preț (euro)	Cod	Preț (euro)		
						HSSE BR		HSSE TIN		HSSE BR		HSSE TIN			
															
						Vc (m/min) <b>1-5</b> 5-15 <b>13 14</b> 8-15 <b>15-20</b> 10-20		Vc (m/min) <b>1-5</b> 10-25 <b>9 10</b> 6-12 <b>13 14</b> 12-25 <b>15-20</b> 15-25		Vc (m/min) <b>1-5</b> 5-15 <b>13 14</b> 8-15 <b>15-20</b> 10-20		Vc (m/min) <b>1-5</b> 10-25 <b>9 10</b> 6-12 <b>13 14</b> 12-25 <b>15-20</b> 15-25			
<b>M2X 0.4</b>	IS02	5P	45	2.1	371	PD2.0EANEB	14,83	—	—	SD2.0EANEB	15,15	—	—		
<b>M2.5X 0.45</b>	IS02	5P	50	2.1	371	PD2.5FANEB	12,55	—	—	SD2.5FANEB	12,78	—	—		
<b>M3X 0.5</b>	IS02	5P	56	2.7	371	PD3.0GANEB	13,65	96303.0TI	14,28	SD3.0GANEB	14,06	96473.0TI	16,36		
	IS03	5P	56	2.7	371	PD3.0GMNEB	11,28	—	—	SD3.0GMNEB	11,64	—	—		
<b>M4X 0.7</b>	IS02	5P	63	3.4	371	PD4.0IANEB	9,45	96304.0TI	14,57	SD4.0IANEB	9,73	96474.0TI	16,66		
		5P	63	2.1	376/374	PG4.0IANEB	18,06	—	—	SG4.0IANEB	19,42	—	—		
	IS03	5P	63	3.4	371	PD4.0IMNEB	16,30	—	—	SD4.0IMNEB	16,81	—	—		
<b>M5X 0.8</b>	IS02	5P	70	4.9	371	PD5.0KANEB	9,76	96305.0TI	14,97	SD5.0KANEB	10,01	96475.0TI	17,07		
		5P	70	2.7	376/374	PG5.0KANEB	18,94	—	—	SG5.0KANEB	19,42	—	—		
	IS03	5P	70	4.9	371	PD5.0KMNEB	16,85	—	—	SD5.0KMNEB	17,27	—	—		
<b>M6X 1</b>	IS02	5P	80	4.9	371	PD6.0MANEB	9,76	96306.0TI	14,97	SD6.0MANEB	10,01	96476.0TI	17,07		
		5P	80	3.4	376/374	PG6.0MANEB	18,06	—	—	SG6.0MANEB	19,42	—	—		
	IS03	5P	80	4.9	371	PD6.0MMNEB	16,85	—	—	SD6.0MMNEB	17,27	—	—		
<b>M8X 1.25</b>	IS02	5P	90	6.2	371	PD8.0NANEB	11,81	96308.0TI	17,88	SD8.0NANEB	12,12	96478.0TI	20,27		
		5P	90	4.9	376/374/5156	PG8.0NANEB	19,99	—	—	SG8.0NANEB	21,52	—	—		
	IS03	5P	90	6.2	371	PD8.0NMNEB	19,84	—	—	SD8.0NMNEB	20,34	—	—		
<b>M8X 1</b>	IS02	5P	90	4.9	376/374/5156	PM8.0MANEB	20,40	—	—	SM8.0MANEB	20,93	—	—		
<b>M10X 1.5</b>	IS02	5P	100	8	371	PD0100ANEB	14,18	9630010TI	21,75	SD0100ANEB	14,44	9647010TI	24,71		
		5P	100	5.5	376/374/5156	PG0100ANEB	24,58	—	—	SG0100ANEB	25,19	—	—		
	IS03	5P	100	8	371	PD0100MNEB	23,81	—	—	SD0100MNEB	24,47	—	—		
<b>M10X 1.25</b>	IS02	5P	100	5.5	376/374/5156	PM010NANEB	24,06	—	—	SM010NANEB	24,01	—	—		
<b>M10X 1</b>	IS02	5P	90	5.5	376/374/5156	PM010MANEB	24,52	—	—	SM010MANEB	25,19	—	—		
<b>M12X 1.75</b>	IS02	5P	110	7	376/374/5156	PG012PANEB	18,67	9730012TI	28,34	SG012PANEB	19,13	9747012TI	31,44		
	IS03	5P	110	7	376/374/5156	PG012PMNEB	30,96	—	—	SG012PMNEB	31,73	—	—		
<b>M12X 1.5</b>	IS02	5P	100	7	376/374/5156	PM0120ANEB	31,87	—	—	SM0120ANEB	32,03	—	—		
<b>M14X 2</b>	IS02	5P	110	9	376/374/5156	PG014QANEB	22,55	9730014TI	34,06	SG014QANEB	23,05	9747014TI	39,05		
	IS03	5P	110	9	376/374/5156	PG014QMNEB	37,40	—	—	SG014QMNEB	38,22	—	—		
<b>M14X 1.5</b>	IS02	5P	100	9	376/374/5156	PM0140ANEB	38,47	—	—	SM0140ANEB	39,33	—	—		
<b>M16X 2</b>	IS02	5P	110	9	376/374/5156	PG016QANEB	28,47	9730016TI	42,59	SG016QANEB	29,21	9747016TI	47,24		
	IS03	5P	110	9	376/374/5156	PG016QMNEB	47,21	—	—	SG016QMNEB	48,44	—	—		
<b>M16X 1.5</b>	IS02	5P	100	9	376/374/5156	PM0160ANEB	48,56	—	—	SM0160ANEB	49,84	—	—		
<b>M18X 2.5</b>	IS02	5P	125	11	376/374/5156	PG018RANEB	36,01	9730018TI	53,40	SG018RANEB	38,69	9747018TI	61,44		
<b>M18X 1.5</b>	IS02	5P	110	11	376/374/5156	PM0180ANEB	60,89	—	—	SM0180ANEB	65,38	—	—		
<b>M20X 2.5</b>	IS02	5P	140	12	376/374/5156	PG020RANEB	42,70	9730020TI	64,14	SG020RANEB	43,69	9747020TI	70,94		
<b>M20X 1.5</b>	IS02	5P	125	12	376/374/5156	PM0200ANEB	72,16	—	—	SM0200ANEB	73,88	—	—		
<b>M22X 2.5</b>	IS02	5P	140	14.5	376/374/5156	PG022RANEB	50,12	9730022TI	76,21	SG022RANEB	53,82	9747022TI	87,70		
<b>M24X 3</b>	IS02	5P	160	14.5	376/374/5156	PG024SANEB	58,50	9730024TI	92,85	SG024SANEB	59,93	9747024TI	102,35		
<b>M27X 3</b>	IS02	5P	160	16	376/374/5156	PG027SANEB	77,82	—	—	SG027SANEB	79,71	—	—		
<b>M30X 3.5</b>	IS02	5P	180	18	376/374/5156	PG030TANEB	95,73	—	—	SG030TANEB	98,09	—	—		
<b>M33X 3.5</b>	IS02	5P	180	20	376/374/5156	PG033TANEB	179,42	—	—	SG033TANEB	185,49	—	—		
<b>M36X 4</b>	IS02	5P	200	22	376/374/5156	PG036UANEB	138,99	—	—	SG036UANEB	150,55	—	—		
<b>G1/8-28</b>	-	5P	90	19	376/374/5156	PVG0020NEB	27,29	9930R02TI	26,70	SVG0020NEB	27,29	—	—		
<b>G1/4-19</b>	-	5P	100	21	376/374/5156	PVG0040NEB	36,50	9930R04TI	37,61	SVG0040NEB	37,21	—	—		
<b>G3/8-19</b>	-	5P	100	21	376/374/5156	PVG0060NEB	51,54	9930R06TI	53,12	SVG0060NEB	51,54	—	—		
<b>G1/2-14</b>	-	5P	125	24	376/374/5156	PVG0080NEB	74,76	9930R08TI	76,62	SVG0080NEB	74,76	—	—		
<b>G3/4-14</b>	-	5P	140	27	376/374/5156	PVG0120NEB	116,78	—	—	SVG0120NEB	120,87	—	—		
<b>G1-11</b>	-	5P	160	29	376/374/5156	PVG0160NEB	186,64	—	—	SVG0160NEB	210,36	—	—		

## Tarozii pentru uz general

FILET	CLASA	CON ASCUTIRE	L	K	TIP	HVSP		HVPO	
						Cod	Preț (euro)	Cod	Preț (euro)
<b>M2X 0.4</b>	IS02	2.5P	45	2.1	DIN371	SD2.0EBEEXJ	22,54	—	—
<b>M2.5X 0.45</b>	IS02	2.5P	50	2.1	DIN371	SD2.5FBEEEXJ	18,81	—	—
<b>M3X 0.5</b>	IS02	2.5P	56	2.7	DIN371	SD3.0GYEEXJ	10,48	3113101035	9,77
<b>M4X 0.7</b>	IS02	2.5P	63	3.4	DIN371	SD4.0IYEEXJ	10,48	3113101042	9,77
<b>M5X 0.8</b>	IS02	2.5P	70	4.9	DIN371	SD5.0KYEEXJ	10,64	3113101049	10,10
<b>M6X 1</b>	IS02	2.5P	80	4.9	DIN371	SD6.0MYEEXJ	10,80	3113101055	10,38
<b>M8X 1.25</b>	IS02	2.5P	90	6.2	DIN371	SD8.0NYEEXJ	13,66	3113101064	13,47
<b>M8X 1</b>	IS02	2.5P	90	4.9	DIN376/DIN374	SM8.0MSEEXJ	22,70	3113101065	22,71
<b>M10X 1.5</b>	IS02	2.5P	100	8	DIN371	SD0100YEEXJ	16,32	3113101078	25,45
<b>M10X 1.25</b>	IS02	2.5P	100	5.5	DIN376/DIN374	SM010NSEEXJ	26,36	3113101079	26,23
<b>M10X 1</b>	IS02	2.5P	90	5.5	DIN376/DIN374	SM010MSEEXJ	28,41	3113101080	28,39
<b>M12X 1.75</b>	IS02	2.5P	110	7	DIN376	SG012PSEEXJ	19,93	3113101088	18,88
<b>M12X 1.5</b>	IS02	2.5P	100	7	DIN376/DIN374	SM0120SEEXJ	33,39	3113101089	31,35
<b>M14X 2</b>	IS02	2.5P	110	9	DIN376	SG014QSEEXJ	26,29	3113101100	23,91
<b>M14X 1.5</b>	IS02	2.5P	100	9	DIN376/DIN374	SM0140SEEXJ	42,12	3113101102	42,11
<b>M16X 2</b>	IS02	2.5P	110	9	DIN376	SG016QSEEXJ	33,54	3113101114	31,48
<b>M16X 1.5</b>	IS02	2.5P	100	9	DIN376/DIN374	SM0160SEEXJ	56,18	3113101116	56,17
<b>M18X 2.5</b>	IS02	2.5P	125	11	DIN376	SG018RTEEXJ	43,81	3113101128	41,29
<b>M18X 1.5</b>	IS02	2.5P	110	11	DIN376/DIN374	SM0180TEEXJ	72,52	3113101130	69,37
<b>M20X 2.5</b>	IS02	2.5P	140	12	DIN376	SG020RTEEXJ	54,04	3113101141	53,98
<b>M20X 1.5</b>	IS02	2.5P	125	12	DIN376/DIN374	SM0200TEEXJ	92,61	3113101144	91,65
<b>M24X 3</b>	IS02	2.5P	160	14.5	DIN376	SG024STEEXJ	76,02	3113101167	75,32
<b>M27X 3</b>	IS02	2.5P	160	16	DIN376	SG027STEEXJ	101,47	3113101186	100,90
<b>M30X 3.5</b>	IS02	2.5P	180	18	DIN376	SG030TBEEEXJ	123,52	3113101199	122,23
<b>M33X 3.5</b>	IS02	2.5P	180	20	DIN376	SG033TBEEEXJ	158,76	3113101211	158,49
<b>M36X 4</b>	IS02	2.5P	200	22	DIN376	SG036UBEEEXJ	188,86	3113101225	187,38

## Tarozi pentru oțel inoxidabil

FILET	CLASA	CON ASCUȚIRE	L	K	TIP	SP - VA		SU2 - SP		PO - VA	
						Cod	Preț (euro)	Cod	Preț (euro)	Cod	Preț (euro)
<b>M2X 0.4</b>	IS02	2.5P	45	2.1	DIN371	SD2.0EAGEX	23,41	—	—	PD2.0EBGEX	22,78
<b>M2.5X 0.45</b>	IS02	2.5P	50	2.1	DIN371	SD2.5FAGEX	19,93	—	—	PD2.5FBGEX	19,39
<b>M3X 0.5</b>	IS02	2.5P	56	2.7	DIN371	SD3.0GAGEX	15,28	SD3.0GAGEXJ	18,15	PD3.0GBGEX	14,88
	IS03	2.5P	56	2.7	DIN371	SD3.0GMGEX	18,63	—	—	—	—
<b>M4X 0.7</b>	IS02	2.5P	63	3.4	DIN371	SD4.0IAGEX	15,28	SD4.0IAGEXJ	18,15	PD4.0IBGEX	14,88
	IS03	2.5P	63	3.4	DIN371	SD4.0IMGEX	18,61	—	—	—	—
<b>M5X 0.8</b>	IS02	2.5P	70	4.9	DIN371	SD5.0KAGEX	15,75	SD5.0KAGEXJ	18,87	PD5.0KBGEX	15,49
	IS03	2.5P	70	4.9	DIN371	SD5.0KMGEX	19,21	—	—	—	—
<b>M6X 1</b>	IS02	2.5P	80	4.9	DIN371	SD6.0MAGEX	15,90	SD6.0MAGEXJ	18,87	PD6.0MBGEX	15,86
	IS03	2.5P	80	4.9	DIN371	SD6.0MMGEX	19,21	—	—	—	—
<b>M8X 1.25</b>	IS02	2.5P	90	6.2	DIN371	SD8.0NAGEX	19,22	SD8.0NAGEXJ	23,30	PD8.0NBGEX	18,73
		2.5P	90	4.9	DIN376/DIN374	SG8.0NAGEX	22,64	—	—	PG8.0NBGEX	22,14
	IS03	2.5P	90	6.2	DIN371	SD8.0NMGEX	22,52	—	—	—	—
<b>M8X 1</b>	IS02	2.5P	90	4.9	DIN376/DIN374	SM8.0MAGEX	22,51	—	—	PM8.0MBGEX	21,94
<b>M10X 1.5</b>	IS02	2.5P	100	8	DIN371	SD0100AGEX	23,00	SD0100AGEXJ	27,84	PD0100BGEX	22,41
		2.5P	100	5.5	DIN376/DIN374	SG0100AGEX	27,72	—	—	PG0100BGEX	27,04
	IS03	2.5P	100	8	DIN371	SD0100MGEX	26,94	—	—	—	—
<b>M10X 1.25</b>	IS02	2.5P	100	5.5	DIN376/DIN374	SM010NAGEX	26,90	—	—	PM010NBGEX	26,23
<b>M10X 1</b>	IS02	2.5P	90	5.5	DIN376/DIN374	SM010MAGE	26,90	—	—	PM010MBGEX	26,23
<b>M12X 1.75</b>	IS02	2.5P	110	7	DIN376	SG012PAGEX	29,61	SG012PAGEXJ	34,82	PG012PBGEX	28,93
	IS03	2.5P	110	7	DIN376	SG012PMGEX	33,35	—	—	—	—
<b>M12X 1.5</b>	IS02	2.5P	100	7	DIN376/DIN374	SM0120AGEX	34,65	—	—	PM0120BGEX	33,84
<b>M14X 2</b>	IS02	2.5P	110	9	DIN376	SG014QAGEX	35,58	SG014QAGEXJ	43,86	PG014QBGEX	34,81
<b>M14X 1.5</b>	IS02	2.5P	100	9	DIN376/DIN374	SM0140AGEX	41,67	—	—	PM0140BGEX	40,77
<b>M16X 2</b>	IS02	2.5P	110	9	DIN376	SG016QAGEX	44,97	SG016QAGEXJ	52,76	PG016QBGEX	43,84
<b>M16X 1.5</b>	IS02	2.5P	100	9	DIN376/DIN374	SM0160AGEX	52,61	—	—	PM0160BGEX	51,33
<b>M18X 2.5</b>	IS02	2.5P	125	11	DIN376	SG018RAGEX	56,24	SG018RAGEXJ	71,34	PG018RBGEX	54,85
<b>M18X 1.5</b>	IS02	2.5P	110	11	DIN376/DIN374	SM0180AGEX	62,27	—	—	PM0180BGEX	64,18
<b>M20X 2.5</b>	IS02	2.5P	140	12	DIN376	SG020RAGEX	66,35	SG020RAGEXJ	80,39	PG020RBGEX	64,78
<b>M20X 1.5</b>	IS02	2.5P	125	12	DIN376/DIN374	SM0200AGEX	75,61	—	—	PM0200BGEX	75,80
<b>M24X 3</b>	IS02	2.5P	160	14.5	DIN376	SG024SAGEX	91,42	SG024SAGEXJ	110,78	PG024SBGEX	89,17
<b>M27X 3</b>	IS02	2.5P	160	16	DIN376	SG027SAGEX	115,45	—	—	PG027SBGEX	117,97
<b>M30X 3.5</b>	IS02	2.5P	180	18	DIN376	SG030TAGEX	148,79	—	—	PG030TBGEX	145,19
<b>M36X 4</b>	IS02	2.5P	200	22	DIN376	SG036UAGEX	264,66	—	—	PG036UBGEX	260,28
<b>G1/8-28</b>	-	2.5P	90	5.5	DIN5156	SVG0020GEX	30,63	SVG0020GEXJ	42,64	PVG0020GEX	30,25
<b>G1/4-19</b>	-	2.5P	100	9	DIN5156	SVG0040GEX	41,37	SVG0040GEXJ	54,43	PVG0040GEX	40,49
<b>G3/8-19</b>	-	2.5P	100	9	DIN5156	SVG0060GEX	57,35	SVG0060GEXJ	68,49	PVG0060GEX	56,14
<b>G1/2-14</b>	-	2.5P	125	12	DIN5156	SVG0080GEX	83,29	SVG0080GEXJ	99,37	PVG0080GEX	82,31
<b>G3/4-14</b>	-	2.5P	140	16	DIN5156	SVG0120GEX	140,79	SVG0120GEXJ	149,21	PVG0120GEX	158,02
<b>G1-11</b>	-	5P	160	29	DIN5156	SVG0160GEX	241,37	—	—	PVG0160GEX	241,37

Tarozzi uz universal

FILET	CLASA	CON ASCUTIRE	L	K	TIP	VUSP		VUPO	
						Cod	Preț (euro)	Cod	Preț (euro)
<b>M2x 0.4</b>	IS02	2.5P	45	2.1	DIN371	3101101021	28,48	3102101021	27,86
<b>M2.5x 0.45</b>	IS02	2.5P	50	2.1	DIN371	3101101029	24,92	3102101029	23,80
<b>M3x 0.5</b>	IS02	2.5P	56	2.7	DIN371	3101101035	20,51	3102101035	19,88
<b>M4x 0.7</b>	IS02	2.5P	63	3.4	DIN371	3101101042	21,38	3102101042	20,72
<b>M5x 0.8</b>	IS02	2.5P	70	4.9	DIN371	3102101049	21,52	3102101049	20,86
<b>M6x 1</b>	IS02	2.5P	80	4.9	DIN371	3101101055	21,52	3102101055	20,86
<b>M8x 1.25</b>	IS02	2.5P	90	6.2	DIN371	3101101064	22,02	3102101064	21,55
<b>M10x 1.5</b>	IS02	2.5P	100	8	DIN371	3101101078	28,82	3102101078	28,21
<b>M12x 1.75</b>	IS02	2.5P	110	7	DIN376	3101101088	37,56	3102101088	36,75
<b>M14x 2</b>	IS02	2.5P	110	9	DIN376	3101101100	43,81	3102101100	43,81
<b>M16x 2</b>	IS02	2.5P	110	9	DIN376	3101101114	61,31	3102101114	61,31
<b>M18x 2.5</b>	IS02	2.5P	125	11	DIN376	3101101128	76,63	3102101128	76,63
<b>M20x 2.5</b>	IS02	2.5P	140	12	DIN376	3101101141	104,22	3102101141	104,22
<b>M22x 2.5</b>	IS02	5P	140	14.5	DIN376/374/5156	3101101156	125,41	3102101156	125,41
<b>M24x 3</b>	IS02	2.5P	160	14.5	DIN376	3101101167	156,76	3102101167	156,76
<b>M8x 1</b>	IS02	2.5P	90	4.9	DIN376/DIN374	3101101065	25,40	3102101065	25,40
<b>M10x 1.25</b>	IS02	2.5P	100	5.5	DIN376/DIN374	3101101079	29,65	3102101079	29,65
<b>M10x 1</b>	IS02	2.5P	90	5.5	DIN376/DIN374	3101101080	33,80	3102101080	33,80
<b>M12x 1.5</b>	IS02	2.5P	100	7	DIN376/DIN374	3101101089	38,65	3102101089	38,65
<b>M12x 1.25</b>	IS02	2.5P	100	7	DIN376/DIN374	3101101090	38,65	3102101090	38,65
<b>M14x 1.5</b>	IS02	2.5P	100	9	DIN376/DIN374	3101101102	45,08	3102101102	45,08
<b>M16x 1.5</b>	IS02	2.5P	100	9	DIN376/DIN374	3101101116	63,08	3102101116	63,08
<b>M18x 1.5</b>	IS02	2.5P	110	11	DIN376/DIN374	3101101130	76,63	3102101130	76,63
<b>M20x 1.5</b>	IS02	2.5P	125	12	DIN376/DIN374	3101101144	104,22	3102101144	104,22
<b>M22x 1.5</b>	IS02	2.5P	125	14.5	DIN376/DIN374	3101101158	125,41	3102101158	125,41
<b>M24x 1.5</b>	IS02	2.5P	140	14.5	DIN376/DIN374	3101101170	156,76	3102101170	156,76
<b>UNC 5-40</b>	2BX	2.5P	56	2.7	DIN371/376	3101103021	25,09	3102103021	25,09
<b>UNC 6-32</b>	2BX	2.5P	56	3	DIN371/376	3101103023	25,09	3102103023	25,09
<b>INC 8-32</b>	2BX	2.5P	63	3.4	DIN371/376	3101103029	25,09	3102103029	25,09
<b>UNC 10-24</b>	2BX	2.5P	70	4.9	DIN371/376	3101103039	25,09	3102103039	25,09
<b>UNC 12-24</b>	2BX	2.5P	80	4.9	DIN371/376	3101103047	26,46	3102103047	26,46
<b>UNC 1/4-20</b>	2BX	2.5P	80	5.5	DIN371/376	3101103058	26,46	3102103058	26,46
<b>UNC 5/16-18</b>	2BX	2.5P	90	6.2	DIN371/376	3101103071	26,46	3102103071	26,46
<b>UNC 3/8-16</b>	2BX	2.5P	100	7	DIN371/376	3101103082	29,58	3102103082	29,58
<b>UNC 7/16-14</b>	2BX	2.5P	100	6.2	DIN371/376	3101103098	38,10	3102103098	38,10
<b>UNC 1/2-13</b>	2BX	2.5P	110	7	DIN371/376	3101103111	43,68	3102103111	43,68
<b>UNC9/16-12</b>	2BX	2.5P	110	9	DIN371/376	3101103126	59,68	3102103126	59,68
<b>UNC 5/8-11</b>	2BX	2.5P	110	9	DIN371/376	3101103138	77,49	3102103138	77,49

## Tarozii deformare

**HSSE**  
**TiN**

Vc (m/min)

**1-4** 15-30  
**15-20** 20-40

**HSSCO**  
**TiAIN**

Vc (m/min)

**1-5** 10-35  
**9-10** 10-15

**HSSCO**  
**TiAIN**

Vc (m/min)

**1-5** 15-40  
**9-11** 10-30  
**15-20** 20-40

FILET	CLASA	CON ASCUTIRE	L	K	TIP	R - D - TI		EHRZ		HP + RZ/ MHRZ		
						Cod	Preț (euro)	Cod	Preț (euro)	Cod	Preț (euro)	
M2X 0.4	IS02X	2P	45	2.1	DIN371	1	93532.0BTI	35,33	—	—	RE2.0EBFPTB	45,56
M2.5X 0.45	IS02X	2P	50	2.1	DIN371	2	93532.5BTI	29,78	—	—	RE2.5FBFPTB	41,61
M3X 0.5	IS02X	2P	56	2.7	DIN371	2	93533.0BTI	23,28	3120101035	39,38	RE3.0GBFPTB	39,96
M4X 0.7	IS02X	2P	63	3.4	DIN371	2	93534.0BTI	23,60	3120101042	40,50	RE4.0IBFPTB	42,97
M5X 0.8	IS02X	2P	70	4.9	DIN371	2	93535.0BTI	24,40	3120101049	42,98	RE5.0KBFPTB	46,10
M6X 1	IS02X	2P	80	4.9	DIN371	2	93536.0BTI	24,40	3120101055	46,58	RE6.0MBFPTB	46,10
M8X 1.25	IS02X	2P	90	6.2	DIN371	3	93538.0BTI	29,14	3120101064	54,57	RD8.0NBOCTP	54,77
M10X 1.5	IS02X	2P	100	8	DIN371	3	9353010BTI	32,95	3120101078	63,17	RD0100BOCTP	63,80
M12X 1.75	IS02X	2P	110	7	DIN376/DIN374	4	9353012BTI	42,60	3120101088	82,10	RG012PBOCTP	84,18
M14X 2	IS02X	2P	110	9	DIN376/DIN374	4	9353014BTI	53,74	3120101100	93,12	RG014QBOCTB	93,12
M16X 2	IS02X	2P	110	9	DIN376/DIN374	4	9353016BTI	67,95	3120101114	118,28	RG016QBOCTB	118,28
G1/8-28	-	2P	90	5.5	DIN376/DIN374	4	9953R02TI	49,00	—	—	—	—
G1/4-19	-	2P	100	9	DIN376/DIN374	4	9953R04TI	64,86	—	—	—	—
G3/8-19	-	2P	100	9	DIN376/DIN374	4	9953R06TI	94,57	—	—	—	—

## Seria AFLT - Freze de carbură pentru filetare, ~ HRC50



COD	DIAMETRU	PAS	NR. DINȚI	Dia (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)	Preț (euro)
AFLT.M8X125	M8	1.25	13	5.80	16.25	60	6	3	76,80
AFLT.M10X150	M10	1.50	14	7.70	21.00	60	8	3	93,00
AFLT.M12X175	M12	1.75	14	8.70	24.50	75	10	4	114,70
AFLT.M14X200	M14	2.00	14	9.90	28.00	75	10	4	114,70
AFLT.M16X200	M16	2.00	16	11.90	32.00	100	12	4	126,70

## Tarozi de mână

**V+M+F SET**

Vc (m/mln)

**1~5** 5~10

**13 14** 5~10

**16 19 20** 5~10

FILET	COD	L	I	D	K	Preț (euro)
<b>M2X 0.4</b>	61102.0S	36	8	2,8	2,1	<b>28,66</b>
<b>M2.5X 0.45</b>	61102.5S	40	9	2,8	2,1	<b>24,59</b>
<b>M3X 0.5</b>	61103.0S	40	11	3,5	2,7	<b>17,37</b>
<b>M4X 0.7</b>	61104.0S	45	13	4,5	3,4	<b>17,37</b>
<b>M5X 0.8</b>	61105.0S	50	16	6,0	4,9	<b>17,89</b>
<b>M6X 1</b>	61106.0S	50	19	6,0	4,9	<b>18,31</b>
<b>M8X 1.25</b>	61108.0S	56	22	6,0	4,9	<b>21,75</b>
<b>M10X 1.5</b>	6110010S	70	24	7,0	5,5	<b>27,58</b>
<b>M12X 1.75</b>	6110012S	75	29	9,0	7,0	<b>34,39</b>
<b>M14X 2</b>	6110014S	80	30	11,0	9,0	<b>43,76</b>
<b>M16X 2</b>	6110016S	80	32	12,0	9,0	<b>54,45</b>
<b>M18X 2.5</b>	6110018S	95	40	14,0	11,0	<b>73,51</b>
<b>M20X 2.5</b>	6110020S	95	40	16,0	12,0	<b>82,88</b>
<b>M24X 3</b>	6110024S	110	50	18,0	14,5	<b>170,35</b>
<b>G1/8-28</b>	6412G02S	63	19	7,0	5,5	<b>32,61</b>
<b>G1/4-19</b>	6412G04S	70	21	11,0	9,0	<b>41,97</b>
<b>G3/8-19</b>	6412G06S	70	21	12,0	9,0	<b>55,97</b>
<b>G1/2-14</b>	6412G08S	80	21	16,0	12,0	<b>92,64</b>
<b>G3/4-14</b>	6412G12S	90	21	20,0	16,0	<b>109,45</b>
<b>G1-11</b>	6412G16S	100	24	25,0	20,0	<b>212,68</b>

## MATERIALE

**1** <550 N/mm<sup>2</sup>  
Oțeluri moi și oțeluri cu conținut mic de carbon

**2** 450-700 N/mm<sup>2</sup>  
Oțeluri cu conținut mediu de carbon

**3** 550-850 N/mm<sup>2</sup>  
Oțeluri cu conținut înalt de carbon

**4** 600-900 N/mm<sup>2</sup>  
Oțeluri slab aliate

**5** 700-1000 N/mm<sup>2</sup>  
Oțeluri aliate

**6** 900-1200 N/mm<sup>2</sup>  
Oțeluri de scule și oțeluri înalt aliate

**7** 1200-1500 N/mm<sup>2</sup> (35-45HRC)  
Oțeluri tenace

**8** 45-63HRC  
Oțeluri calite

**9**  
Oțeluri inoxidabile martensitice și feritice

**10**  
Oțeluri inox austenitice ( V2A )

**11**  
Oțeluri inoxidabile austenitice ( V4A )

**12**  
Duplex

**13**  
Fontă cenușie

**14**  
Fontă cu granit modular

**15**  
Aluminiu laminat

**16**  
Aluminiu turnat ( SI<12% )

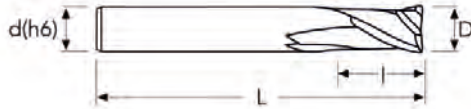
**17**  
CUPRU

**18**  
ALAMĂ

**19**  
ALAMĂ TURNATA

**20**  
BRONZ





## Freze carbură, freze cu plăcuțe amovibile

Gama <b>ATM</b> .....	34
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ATES/ATEL - Freză carbură uz general, 4 dinți, varianta economică



Cod	 HRC					OȚEL CARBON OȚEL NEALIAT		OȚEL INOXIDABIL		ALUMINIU		Preț (euro)
						40						
						ap = 0,5D ae = 0,06D		ap = 0,5D ae = 0,06D		ap = 0,5D ae = 0,08D		
D	d(h6)	l	L	Z	n	Vf	n	Vf	n	Vf		
ATES4010	1	4	3	50	4	10000	1000	10000	1000	8000	1000	4,80
ATES4015	1.5	4	4	50	4	10000	1000	10000	1000	8000	1000	4,80
ATES4020	2	4	6	50	4	10000	1000	10000	1000	8000	1000	4,80
ATES4025	2.5	4	7	50	4	10000	1000	10000	1000	8000	1000	4,80
ATES4030.4	3	4	8	50	4	10000	1000	10000	1000	8000	1000	3,80
ATES4030	3	6	8	50	4	10000	1000	10000	1000	8000	1000	6,90
ATES4040.4	4	4	10	50	4	9000	900	9000	900	7500	950	3,80
ATES4040	4	6	10	50	4	9000	900	9000	900	7500	950	6,90
ATES4050	5	5	13	50	4	8000	800	8000	800	6800	800	6,90
ATES4060	6	6	15	50	4	7200	720	7200	720	6450	750	6,90
ATES4070	7	8	18	60	4	6200	620	6200	620	5300	600	12,20
ATES4080	8	8	20	60	4	6200	620	6200	620	5300	600	12,20
ATES4090	9	10	23	75	4	5500	550	5500	550	4500	600	21,60
ATES4100	10	10	25	75	4	5500	550	5500	550	4500	600	20,40
ATES4120	12	12	30	75	4	4600	460	4600	460	3800	500	26,70
ATES4140	14	14	35	80	4	3200	360	3200	360	2700	400	52,00
ATES4160	16	16	45	100	4	3200	360	3200	360	2700	400	62,20
ATES4180	18	18	45	100	4	2500	250	2500	250	2100	280	81,10
ATES4200	20	20	45	100	4	2500	250	2500	250	2100	280	78,10
ATEL4030	3	3	15	100	4							13,50
ATEL4040	4	4	20	100	4							13,50
ATEL4050	5	5	25	100	4							14,30
ATEL4060	6	6	30	100	4							19,10
ATEL4080	8	8	35	100	4							29,90
ATEL4100	10	10	50	150	4							42,80
ATEL4120	12	12	60	150	4							55,20
ATEL4160	16	16	60	150	4							101,50
ATEL4200	20	20	70	150	4							138,80

AUGS - Freză carbură uz general, 4 dinți, scurtă, muchie cu șanfren



Cod	 HRC					OȚEL CARBON OȚEL NEALIAT				OȚEL DE SCULE				OȚEL INOXIDABIL				INCONEL		Preț (euro)	
						ap = 0,5D ae = D		ap = 1,0D ae = 0,5D		ap = 0,5D ae = D		ap = 1,5D ae = 0,1D		ap = 1,5D ae = D		ap = 1,5D ae = 0,1D		ap = 1,5D ae = 0,05D			
						n	Vf	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf		n
AUGS4030.0	3	6	9	39	4	-	13800	710	15900	1010	8400	430	12700	810	6300	320	8400	530	4200	260	10,20
AUGS4040.0	4	6	14	50	4	-	10300	530	11900	760	6300	320	9500	600	4700	240	6300	400	3100	190	11,20
AUGS4050.0	5	6	15	51	4	0,10	8200	420	9500	600	5000	260	7600	480	3800	190	5000	320	2500	160	12,70
AUGS4060.0	6	6	15	58	4	-	6900	550	7900	850	4200	330	6300	680	3100	240	4200	450	2100	220	15,25
AUGS4080.0	8	8	20	64	4	-	5100	460	5900	960	3100	280	4700	770	2300	210	3100	500	1500	240	25,80
AUGS4100.0	10	10	21	73	4	-	4100	570	4700	1030	2500	350	3800	830	1900	260	2500	550	1200	260	35,00
AUGS4120.0	12	12	25	82	4	-	3400	540	3900	1120	2100	330	3100	890	1500	240	2100	600	1000	280	46,00
AUGS4160.01	16	16	35	93	4	-	2500	550	2900	1190	1500	330	2300	940	1100	240	1500	610	700	280	106,70
AUGS4200.015	20	20	38	105	4	0,15	2000	560	2300	1130	1200	330	1900	930	900	250	1200	590	600	290	176,60

AUGL - Freză carbură uz general, 4 dinți, lungă

Cod	HRC						OȚEL CARBON/OȚEL NEALIAT				Preț (euro)
							ap= 0.05D ae = D		ap= 1.5D ae = 0.1D		
	D	d(h6)	L1	L	Z	Ch	n	Vf	n	Vf	
AUGL4030.L075	3	3	15	75	4	0,1	10600	2120	21200	3050	12,70
AUGL4040.L100	4	4	25	100	4	0,1	7900	2520	15900	2670	17,80
AUGL4050.L100	5	5	25	100	4	0,1	6300	320	12700	2180	22,90
AUGL4060.L075	6	6	25	75	4	0,1	5300	330	10600	2200	20,30
AUGL4060.L100	6	6	30	100	4	0,1	5300	330	10600	2200	22,90
AUGL4080.L100	8	8	35	100	4	0,1	3900	320	7900	1830	28,70
AUGL4100.L110	10	10	40	110	4	0,1	3100	350	6300	1660	49,70
AUGL4120.L110	12	12	45	110	4	0,15	2600	390	5300	1520	64,40
AUGL4120.L150	12	12	60	150	4	0,15	2600	390	5300	1520	90,20
AUGL4160.L150	16	16	75	150	4	0,15	1900	420	3900	1260	184,40
AUGL4200.L150	20	20	75	150	4	0,15	1500	460	3100	1140	287,00

AUGSR - Freză carbură uz general toroidală, 4 dinți, scurtă

Cod	Vc (m/min)						OȚEL ALIAT		OȚEL TRATAT		OȚEL INOXIDABIL		FONTĂ		Preț (euro)
							95 (m/min.)		48 (m/min.)		79 (m/min.)		120 (m/min.)		
							25-35		40-55						
							ap= 1.5D ae = 0.1D		1.5D/0.05D		ap= 1.5D ae = 0.1D		ap= 1.5D ae = 0.1D		
D	R	d(h6)	L1	L	Z	n	Vf	n	Vf	n	Vf	n	Vf		
AUGS4R060.05	6	0.5	6	12	50	4	5040	705	2548	356	4200	588	6370	588	14,40
AUGS4R060.10	6	1.0	6	12	50	4	5040	705	2548	356	4200	588	6370	588	14,40
AUGS4R080.05	8	0.5	8	16	60	4	3780	529	1910	267	3140	440	4770	440	28,90
AUGS4R080.10	8	1.0	8	16	60	4	3780	529	1910	267	3140	440	4770	440	28,90
AUGS4R100.05	10	0.5	10	20	75	4	3020	362	1528	183	2515	301	3820	301	37,50
AUGS4R100.10	10	1.0	10	20	75	4	3020	362	1528	183	2515	301	3820	301	37,50
AUGS4R100.15	10	1.5	10	20	75	4	3020	362	1528	183	2515	301	3820	301	37,50
AUGS4R100.20	10	2.0	10	20	75	4	3020	362	1528	183	2515	301	3820	301	46,30
AUGS4R120.10	12	1.0	12	24	75	4	2520	302	1274	152	2100	252	3180	252	50,40
AUGS4R120.20	12	2.0	12	24	75	4	2520	302	1274	152	2100	252	3180	252	55,00

AUGSB - Freză carbură uz general, de copiere, 2 dinți

Cod	Vc (m/min)						OȚEL ALIAT		OȚEL TRATAT		OȚEL INOXIDABIL		FONTĂ		Preț (euro)
							95 (m/min.)		48 (m/min.)		79 (m/min.)		120 (m/min.)		
							25-35		40-55						
	D	R	d(h6)	L1	L	Z	n	Vf	n	Vf	n	Vf	n	Vf	
AUGSB2010	3	1.5	6	6	50	2	15550	950	8500	550	12850	850	19220	1250	7,50
AUGSB2050	3	1.5	6	6	50	2	15550	950	8500	550	12850	850	19220	1250	7,50
AUGSB2020	3	1.5	6	6	50	2	15550	950	8500	550	12850	850	19220	1250	7,50
AUGSB2030	3	1.5	6	6	50	2	15550	950	8500	550	12850	850	19220	1250	10,70
AUGSB2040	4	2.0	6	8	50	2	14830	890	7490	450	12330	740	18730	1120	10,70
AUGSB2050	5	2.5	6	10	50	2	14885	927	9105	682	14465	1084	14465	1084	10,70
AUGSB2060	6	3.0	6	12	50	2	9890	740	4995	374	8220	616	12490	936	10,70
AUGSB2080	8	4.0	8	16	60	2	7415	593	3750	300	6170	494	9366	750	18,40
AUGSB2100	10	5.0	10	20	75	2	5930	504	3000	255	4930	420	7490	636	29,60
AUGSB2120	12	6.0	12	24	75	2	4940	444	2500	225	4110	370	6244	560	38,90

AUGV - Freză carbură cu geometrie variabilă, 4 dinți, scurtă

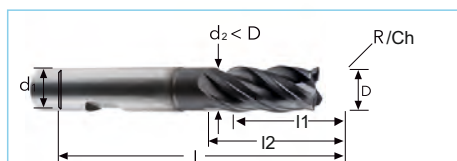
Cod	OȚEL CARBON		OȚEL ALIAT		OȚEL INOXIDABIL		Preț (euro)					
	150 (m/min.)	120 (m/min.)	100 (m/min.)	100 (m/min.)	100 (m/min.)	100 (m/min.)						
Frezare laterală ap x ae = 1,5D x 0,2D												
D	d(h6)	L1	L	Z	n	Vf	n	Vf	n	Vf		
AUGV4030	3	6	8	50	4	10,400	1830	8,000	800	6,000	530	10,40
AUGV4040	4	6	8	50	4	10,400	1830	8,000	800	6,000	530	10,40
AUGV4050	5	6	15	50	4	8,000	1800	6,000	800	5,000	550	10,40
AUGV4060	6	6	15	50	4	6,900	1770	5,300	1060	4,000	640	10,40
AUGV4080	8	8	20	60	4	5,200	1770	4,000	1040	3,000	610	20,20
AUGV4100	10	10	25	75	4	4,100	1640	3,200	900	2,400	580	32,60
AUGV4120	12	12	30	75	4	3,450	1280	2,650	720	2,000	480	43,00
AUGV4160	16	16	35	100	4	2,550	900	2,000	520	1,500	360	110,00
AUGV4SET	SET FREZE 4-6-8-10-12 MM										87,00	
Frezare canal ap x ae = D x D												
D	d(h6)	L1	L	Z	n	Vf	n	Vf	n	Vf		
AUGV4030	3	6	8	50	4	8,000	960	6,400	510	4,800	400	
AUGV4040	4	6	8	50	4	8,000	960	6,400	510	4,800	400	
AUGV4050	5	6	15	50	4	8,000	1800	6,000	800	5,000	550	
AUGV4060	6	6	15	50	4	5,300	1060	4,200	670	3,200	310	
AUGV4080	8	8	20	60	4	4,000	910	3,200	640	2,400	310	
AUGV4100	10	10	25	75	4	3,200	840	2,500	550	1,900	310	
AUGV4120	12	12	30	75	4	2,650	670	2,100	460	1,600	250	
AUGV4160	16	16	35	100	4	2,000	620	1,600	350	1200	190	

AINS - Freză carbură helix variabil, pentru inox, scurtă, 4 dinți

Cod	OȚEL ALIAT		OȚEL CARBON		Preț (euro)										
	ap = 1,5D ae = 1D	ap = 1D ae = 1D	ap = 1,5D ae = 0,2D	ap = 1,5D ae = 0,2D											
D	d1	d2	L	L1	L2	R	Z	n	Vf	n	Vf	n	Vf		
AINS4030.02	3	6	2,9	58	9	12	0,2	4	10000	120	16000	240	18000	540	25,40
AINS4040.02	4	6	3,9	58	12	14	0,2	4	8000	130	12000	240	13500	540	25,40
AINS4050.02	5	6	4,9	58	15	19	0,2	4	6400	150	9600	260	10800	600	25,40
AINS4060.02	6	6	5,9	58	16	22	0,2	4	5300	150	8000	280	9000	650	25,40
AINS4080.02	8	8	7,8	64	20	26	0,2	4	4000	170	6000	330	6700	670	32,40
AINS4100.02	10	10	9,8	73	22	31	0,2	4	3200	210	4800	340	5400	730	44,20
AINS4120.02	12	12	11,7	82	28	40	0,2	4	2600	210	4000	380	4500	800	64,40
AINS4160.02	16	16	15,7	93	36	48	0,2	4	2000	300	3000	450	3300	910	128,80

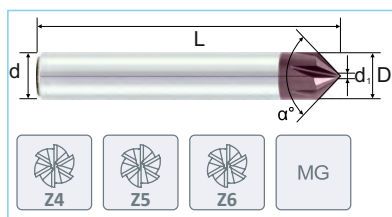
Cod	OȚEL INOXIDABIL AISI 303 - 304 - 420 - 316 - 440						INCONEL, HASTELLOY, NIMONIC						TITAN			
	ap = 0,5D ae = 1D		ap = 1,5D ae = 0,1D		ap = 1,5D ae = 0,2D		ap = 0,1D		ap = 0,15D		ap = 0,20D		ap = 0,1D		ap = 0,15D	
	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf
AINS4030.02	5300	85	7000	280	7000	210	5300	210	5300	170	4300	130	8600	340	8600	270
AINS4040.02	4000	85	5200	290	5200	210	4000	210	4000	170	3200	130	6500	340	6500	280
AINS4050.02	3200	90	4200	320	4200	230	3200	240	3200	190	2600	140	5200	390	5200	310
AINS4060.02	2600	90	3500	340	3500	250	2700	260	2700	210	2100	150	4300	410	4300	340
AINS4080.02	2000	110	2600	350	2600	260	2000	270	2000	220	1600	160	3200	430	3200	360
AINS4100.02	1600	115	2100	390	2100	280	1600	290	1600	240	1300	170	2600	480	2600	390
AINS4120.02	1300	125	1750	420	1750	310	1300	320	1300	260	1000	180	2100	510	2100	420
AINS4160.02	1000	150	1300	660	1300	480	1000	370	1000	300	650	240	1600	600	1600	490

### ATSL - Freze oțel



Cod	D	d1	d2	L	l1	l2	R/Ch	z	oțel carbon/ oțel nealiat			otel inoxidabil			Preț (euro)				
									n	Vf	n	Vf	n	Vf		n	Vf		
ATSL4060.015	6	6	5,7	58	20	23	R 0,15	4	7400	680	9500	680	9500	680	3100	170	3700	440	28,90
ATSL4080.C02	8	8	7,7	64	20	27	CH 0,20	4	5500	710	7100	710	7100	710	2300	180	2700	430	28,40
ATSL4100.C02	10	10	9,5	73	26	32	CH 0,20	4	4400	680	5700	680	5700	680	1900	190	2200	440	41,20
ATSL4120.C03	12	12	11,5	82	28	38	CH 0,30	4	3700	780	4700	780	4700	780	1500	210	1800	500	53,00
ATSL4160.C03	16	16	15,5	93	36	44	CH 0,30	4	2700	840	3500	840	3500	840	1100	180	1300	570	112,20
ATSL4200.C03	20	20	19,5	105	38	54	CH 0,30	4	2200	720	2800	720	2800	720	900	180	1100	480	195,00

### ASNF - Freze carbură sanfren



Cod	Denumire	D	d(h6)	d1	a	L	z	Preț (euro)
ASN90.060	FREZĂ CARBURĂ SANFREN 6X90 Z4	6	6	1.0	90°	60	4	20,46
ASN90.080	FREZĂ CARBURĂ SANFREN 8X90 Z5	8	8	1.5	90°	60	5	25,78
ASN90.100	FREZĂ CARBURĂ SANFREN 10X90 Z6	10	10	1.5	90°	75	6	38,00
ASN90.120	FREZĂ CARBURĂ SANFREN 12X90 Z6	12	12	2.0	90°	75	6	49,06
ASN90.160	FREZĂ CARBURĂ SANFREN 16X90 Z6	16	16	2.0	90°	100	6	121,60
ASN90.200	FREZĂ CARBURĂ SANFREN 20X90 Z6	20	20	2.0	90°	100	6	203,92

### AHP - Freză carbură 5 dinți

Cod	OȚEL										Preț (euro)						
	25-45																
	TRONCOIDAL		LATERAL		LATERAL		LATERAL		LATERAL								
	D	d1	d2	L	l1	l2	R	Z	n	Vf	n	Vf	n	Vf	n	Vf	
AHP5060.02	6	6	5,7	58	15	20	0,2	5	5300	690	4250	1060	5300	1600			24,30
AHP5080.03	8	8	7,7	64	22	29	0,3	5	4000	660	3200	960	4000	1500			31,30
AHP5100.03	10	10	9,5	73	27	33	0,3	5	3200	700	2550	920	3200	1300			46,00
AHP5120.03	12	12	11,5	82	30	40	0,3	5	2650	600	2100	840	2650	1150			68,50
AHP5160.03	16	16	15,5	93	37	45	0,3	5	2000	560	1600	720	2000	1000			125,10

Cod	OȚEL INOXIDABIL						17 - 4PH, 15 - 5PH				INCONEL, HASTELLOT, NIMOMIL						TITAN	
	TRONCOIDAL		CANAL		LATERAL		TRONCOIDAL		LATERAL		TRONCOIDAL		LATERAL		LATERAL		LATERAL	
	ap = 1D ae = 0,1D	ap = 0,5D ae = 1D	ap = 1,5D ae = 0,1D	ap = 1D ae = 0,1D	ap = 1,5D ae = 0,1D	ap = 1,5D ae = 0,1D	ap = 1D ae = 0,1D	ap = 1,5D ae = 0,10D	ap = 1,5D ae = 0,15D	ap = 1,5D ae = 0,1D								
	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf	n	Vf
AHP5060.02	6300	820	5300	800	6300	1850	5300	690	5300	1600	3800	490	3800	1100	3800	950	4750	1420
AHP5080.03	4750	780	4000	760	4750	1750	4000	660	4000	1500	2900	470	2900	1080	2900	870	3550	1330
AHP5100.03	3800	830	3200	780	3800	1600	3200	700	3200	1300	2300	500	2300	960	2300	820	2850	1200
AHP5120.03	3150	700	2650	670	3150	1400	2650	600	2650	1150	1900	430	1900	830	1900	760	2400	1050
AHP5160.03	2350	650	2000	620	2350	1150	2000	560	2000	1000	1400	390	1400	700	1400	630	1800	900

### AOCS4 - Freză carbură, oțel călit, 4 dinți, scurtă

	Cod	HRC					OȚEL CĂLIT		OȚEL TRATAT		Preț (euro)
							35-45		45-60		
		D	d(h6)	L1	L	Z	ap = 1,5D ae = 0,05-0,07D	ap = 1,5D ae = 0,02-0,05D			
VITEZĂ MARE	AOCS4040	4	6	10	50	4	8700	1000	8000	850	15,70
	AOCS4050	5	6	13	50	4	4640	670	2430	300	15,70
	AOCS4060	6	6	15	50	4	5830	1100	5300	900	15,70
	AOCS4080	8	8	20	60	4	4380	1100	4000	1000	30,00
	AOCS4100	10	10	25	75	4	3500	1100	3200	900	45,40
	AOCS4120	12	12	30	75	4	2900	1100	2750	850	60,00
GENERAL	AOCS4040	4	6	10	50	4	6350	600	5600	500	15,70
	AOCS4050	5	6	13	50	4	8450	975	7400	780	15,70
	AOCS4060	6	6	15	50	4	4200	750	3750	560	15,70
	AOCS4080	8	8	20	60	4	3200	800	2800	600	30,00
	AOCS4100	10	10	25	75	4	2500	750	2200	580	45,40
	AOCS4120	12	12	30	75	4	2150	700	2000	550	60,00

**AOCSR - Freză carbură, oțel călit, 4 dinți, toroidală, scurtă**

	Cod		HRC		OȚEL CĂLIT		OȚEL TRATAT		Preț (euro)			
					35-45		45-60					
					ap = 1,5D ae = 0,05-0,07D		ap = 1,5D ae = 0,02-0,05D					
		D	R	d(h6)	L1	L	Z	n	Vf	n	Vf	
<b>VITEZĂ MARE</b>	AOCS4R060.05	6	0.5	6	12	50	4	5830	1100	5300	900	23,00
	AOCS4R060.10	6	1.0	6	12	50	4	5830	1100	5300	900	23,00
	AOCS4R080.05	8	0.5	8	16	60	4	4380	1100	4000	1000	41,70
	AOCS4R080.10	8	1.0	8	16	60	4	4380	1100	4000	1000	41,70
	AOCS4R100.05	10	0.5	10	20	75	4	3500	1100	3200	900	58,80
	AOCS4R100.10	10	1.0	10	20	75	4	3500	1100	3200	900	58,80
	AOCS4R120.05	12	0.5	12	24	75	4	2900	1100	2750	850	77,40
AOCS4R120.10	12	1.0	12	24	75	4	2900	1100	2750	850	77,40	
<b>GENERAL</b>	AOCS4R060.05	6	0.5	6	12	50	4	4200	750	3750	560	23,00
	AOCS4R060.10	6	1.0	6	12	50	4	4200	750	3750	560	23,00
	AOCS4R080.05	8	0.5	8	16	60	4	3200	800	2800	600	41,70
	AOCS4R080.10	8	1.0	8	16	60	4	3200	800	2800	600	41,70
	AOCS4R100.05	10	0.5	10	20	75	4	2500	750	2200	580	58,80
	AOCS4R100.10	10	1.0	10	20	75	4	2500	750	2200	580	58,80
	AOCS4R120.05	12	0.5	12	24	75	4	2150	700	2000	550	77,40
AOCS4R120.10	12	1.0	12	24	75	4	2150	700	2000	550	77,40	

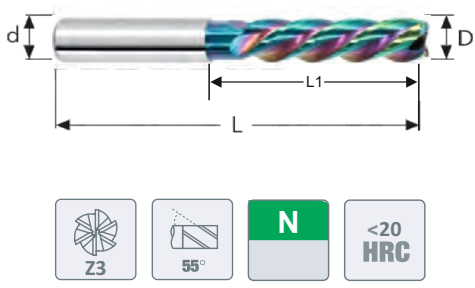
**AOCSB - Freză de copiere pentru oțel călit, 2 dinți, scurtă**

	Cod		HRC		OȚEL CĂLIT		OȚEL TRATAT		OȚEL TRATAT		Preț (euro)			
					35-45		45-55		55-60					
			ap x ae		0.05 - 0.1 x 0.02D		0.05 - 0.1 x 0.02D		0.05 - 0.1 x 0.15D					
		D	R	d(h6)	L1	L	Z	n	Vf	n	Vf	n	Vf	
<b>VITEZĂ MARE</b>	AOCSB2030	3	1.5	6	6	50	2	30000	3250	32000	4100	28000	3460	18,40
	AOCSB2040	4	2.0	6	8	50	2	22000	2850	20000	2500	16000	1920	18,40
	AOCSB2060	6	3.0	6	12	50	2	16000	2800	13000	2200	11000	1760	18,40
	AOCSB2080	8	4.0	8	16	60	2	12000	2400	10000	1840	8000	1400	35,20
	AOCSB2100	10	5.0	10	20	75	2	10000	2000	8000	1600	6400	1200	53,50
AOCSB2120	12	6.0	12	24	75	2	8000	1600	6600	1400	5300	1060	70,70	
<b>GENERAL</b>	AOCSB2030	3	1.5	6	6	50	2	18000	2140	14750	1760	13500	1200	18,40
	AOCSB2040	4	2.0	6	8	50	2	13000	1500	10000	1280	9500	960	18,40
	AOCSB2060	6	3.0	6	12	50	2	8500	1400	6800	1160	6500	960	18,40
	AOCSB2080	8	4.0	8	16	60	2	6400	1200	5200	960	4800	840	35,20
	AOCSB2100	10	5.0	10	20	75	2	5000	1060	4000	820	3800	720	53,50
AOCSB2120	12	6.0	12	24	75	2	4200	960	3500	730	3200	640	70,70	

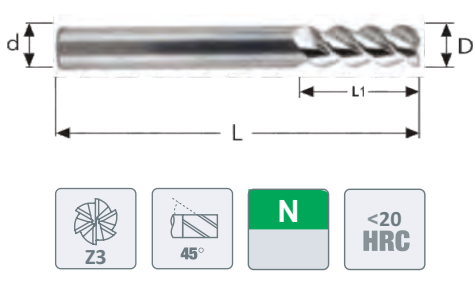
**AOCS6 - Freză carbură, oțel călit, 6 dinți, scurtă**

	Cod		Vc (m/min)		OȚEL TRATAT		OȚEL TRATAT		OȚEL TRATAT		Preț (euro)		
			HRC		129 (m/min.)		98 (m/min.)		65 (m/min.)				
					45-55		55-60		60-70				
		D	d(h6)	L1	L	Z	n	Vf	n	Vf	n	Vf	
AOCS6060	6	6	15	50	6	6,890	1,900	5,200	1,000	3,445	505	20,70	
AOCS6080	8	8	20	60	6	5,200	1,900	3,900	1,000	2,600	505	37,90	
AOCS6100	10	10	25	75	6	4,160	1,900	3,120	1,000	2,080	505	58,20	
AOCS6120	12	12	30	75	6	3,445	1,900	2,600	1,000	1,755	505	76,50	

### AALS - Freză carbură aluminiu scurtă, 3 dinți, DLC

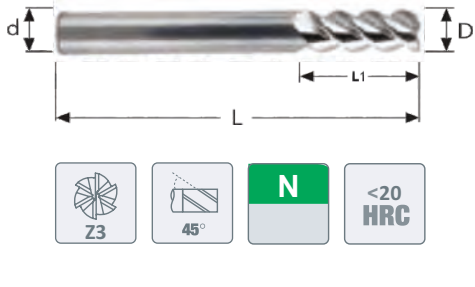


Cod	D	d(h6)	L1	L	Z	CANAL		FREZARE LATERALĂ		Preț (euro)
						n	Vf	n	Vf	
						196 (m/min.)		325(m/min.)		
						<20		<20		
AALS3040DLC	4	6	12	50	3	15,600	1000	26,000	1,350	10,60
AALS3050DLC	5	6	15	50	3	12,480	900	20,670	1,350	10,60
AALS3060DLC	6	6	15	50	3	10,400	820	17,290	1,350	10,60
AALS3080DLC	8	8	20	60	3	7,800	750	13,000	1,350	21,00
AALS3100DLC	10	10	30	75	3	6,240	680	10,270	1,350	31,00
AALS3120DLC	12	12	30	75	3	5,200	620	8,580	1,350	45,20
AALS3160	16	16	40	100	3	8,840	990	7,800	1,350	105,00
AALS3200	20	20	45	100	3	8,840	990	7,800	1,350	140,00
								0.1DxD	1.5DxD	



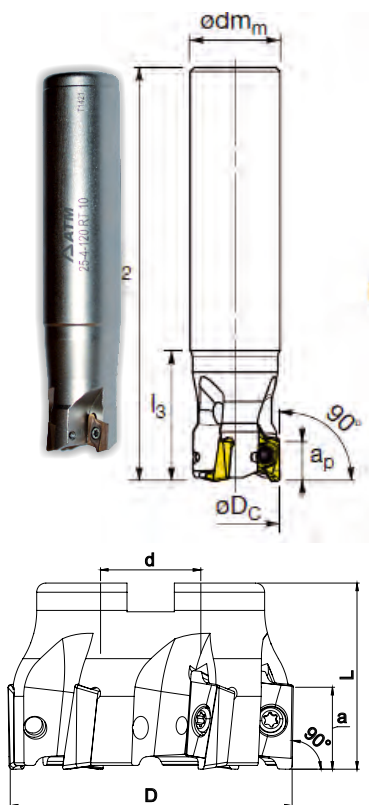
Cod	D	d(h6)	L1	L	Z	CANAL		FREZARE LATERALĂ		Preț (euro)
						n	Vf	n	Vf	
						196 (m/min.)		325(m/min.)		
						<20		<20		
AALS3040.45	4	6	12	50	3	15,600	1000	26,000	1,350	12,00
AALS3050.45	5	6	15	50	3	12,480	900	20,670	1,350	12,00
AALS3060.45	6	6	15	50	3	10,400	820	17,290	1,350	12,00
AALS3080.45	8	8	20	60	3	7,800	750	13,000	1,350	21,00
AALS3100.45	10	10	30	75	3	6,240	680	10,270	1,350	31,00
AALS3120.45	12	12	30	75	3	5,200	620	8,580	1,350	45,20
								0.1DxD	1.5DxD	

### AALL - Freză carbură aluminiu lungă, 3 dinți



Cod	D	d(h6)	L1	L	Z	CANAL		FREZARE LATERALĂ		Preț (euro)
						n	Vf	n	Vf	
						196 (m/min.)		325(m/min.)		
						<20		<20		
AALL3030	3	6	15	60	3	20,800	1200	34,600	1,350	11,40
AALL3040	4	6	20	60	3	15,600	1000	26,000	1,350	11,40
AALL3050	5	6	25	60	3	12,480	900	20,700	1,350	11,40
AALL3060	6	6	30	75	3	10,400	820	17,290	1,350	17,50
AALL3080	8	8	45	100	3	7,800	750	13,000	1,350	32,30
AALL3100	10	10	55	100	3	6,240	680	10,270	1,350	41,40
AALL3120	12	12	55	100	3	5,200	620	8,580	1,350	55,30
AALL3160	16	16	75	150	3	8,840	990	14,560	1,350	122,50
AALL3200	20	20	90	150	3	9,962	1,300	5,405	1,350	208,40
								0.1DxD	1.5DxD	

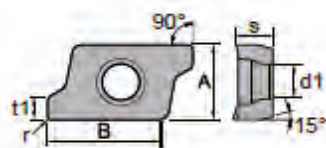
## Seria Wavemill - RT10



### Corpuri de frezare

Cod	Denumire	Dc	l3	l2	dm	z	Preț (euro)
ATM1025	16-2-120 RT1003	16	30	120	16	2	81,00
ATM1026	18-2-120 RT1003	18	30	120	18	2	84,00
ATM1027	20-3-120 RT1003	20	40	120	20	3	88,50
ATM1028	25-4-120 RT1003	25	40	120	25	4	112,00
ATM1029	16-2-200 RT1003	16	80	200	16	2	108,00
ATM1030	20-3-200 RT1003	20	80	200	20	3	118,50
ATM1031	25-4-200 RT1003	25	80	200	25	4	156,00

Cod	Denumire	D	d	L	a	z	Preț (euro)
ATM1038	40-5 RT1003	40	16	40	6	5	116,60
ATM1039	50-6 RT1003	50	22	40	6	6	130,90



Piese schimb		Preț (euro)
ATM 1033	Surub TC063 M2.5 x7	2,00 Euro

### Specificatii placuta carbura

Placuta carbura	Dimensiuni (mm)				
	A	B	S	r	d1
RT 100308	6.35	9.3	3.4	0.8	2.9

### Cod de comandă plăcuțe

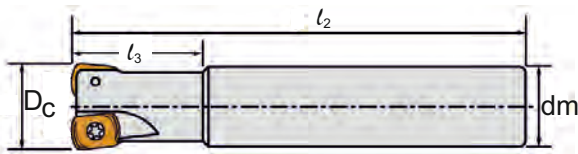
Cod	Descriere placuta	Placuta	Material prelucrat						Preț (euro)
			P	M	K	N	S	H	
ATM1020	RT 100308-R; PKH20		●		●			●	6,85
ATM1021	RT 100308-R; PMK30		●	●	●				6,85
ATM1022	RT 100308-R; PMK25		●	●	●				6,85
ATM1023	RT 100308-R; PMKS40		●	●	●		●		6,85

● - recomandat

### Regimuri recomandate pentru RT1003

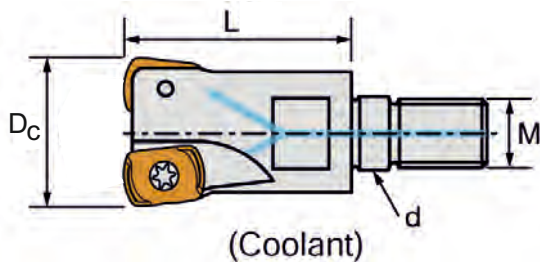
Material prelucrat	Vc	fz	ap
Otel Carbon/Otel Aliat	120-250	0.10-0.22	0.5-7.0
Otel Inoxidabil	100-180	0.08-0.18	0.5-4.0
Fonta	120-250	0.10-0.22	0.5-6.0
Oteluri rezistente la temp	40-100	0.07-0.14	0.5-4.0
Otel calit	50-100	0.07-0.15	0.5-4.0

## Freze de avans rapid - BNMX

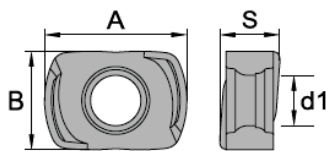


### Corpuri de frezare

Cod	Denumire	Dc	l3	l2	dm	z	Preț (euro)
ATM1078	16-26-130 BN0603	16	26	130	16	2	65,00
ATM1079	20-40-150 BN0603	20	40	150	20	3	80,00
ATM1080	25-40-150 BN0603	25	40	150	25	4	87,00
ATM1081	32-45-200 BN0603	32	45	200	32	4	106,00



Cod	Denumire	Dc	d	L	M	z	Preț (euro)
ATM1072	16-2-M8 BN0603	16	8.5	26	M8	2	75,00
ATM1077	20-3-M10 BN0603	20	10.5	30	M10	3	85,00
ATM1085	25-4-M12 BN0603	25	12.5	35	M12	4	105,00
ATM1086	32-5-M16 BN0603	32	17	40	M16	5	125,00
ATM1087	40-6-M16 BN0603	40	17	43	M16	6	165,00



Piese schimb		Preț (euro)
ATM 1084	Surub ITS3004	2,00 Euro

### Specificații plăcuță carbură

Placuta carbura	Dimensiuni (mm)			
	A	B	S	d1
BNMX 0603	9.0	6.38	3.75	3.2

### Regimuri recomandate

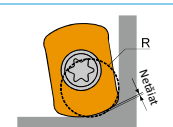
Material prelucrat	Vc	fz	ap
Oțel Carbon/Oțel Aliat	120 - 250	0.4 - 1.6	0.3 - 0.9
Oțel Inoxidabil	100 - 180	0.3 - 1.2	0.3 - 0.7
Fontă	120 - 250	0.4 - 1.6	0.3 - 0.9
Oțeluri rezistente la temp	40 - 100	0.3 - 0.8	0.3 - 0.6
Oțel călit	50 - 100	0.3 - 1.0	0.3 - 0.6

### Cod de comandă plăcuțe

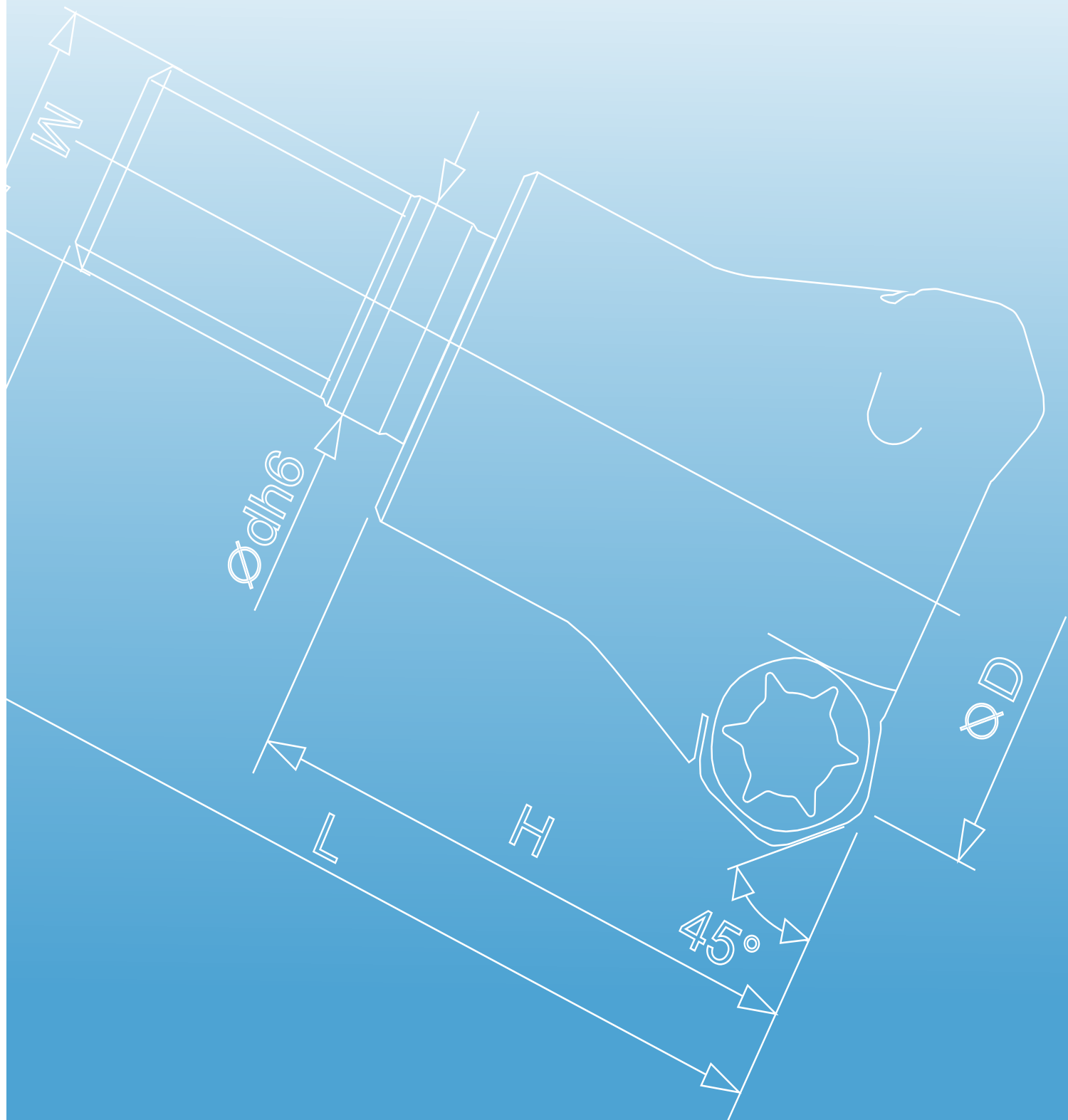
Plăcuță	Cod	Descriere plăcuță	Material prelucrat						Preț (euro)
			P	M	K	N	S	H	
	ATM1083	BNMX0603-F; PKH30	●	●	●		●	●	8,62
	ATM1074	BNMX0603-F; PMS45	●	●	●		●		8,62
	ATM1073	BNMX0603-M; PKH30	●	●	●		●	●	8,62
	ATM1076	BNMX0603-M; PMKS30	●	●	●		●		8,62
	ATM1082	BNMX0603-R; H15	○	○	○		○	●	8,62
	ATM1075	BNMX0603-R; PKH30	●	●	●		●	●	8,62

### Raza teoretică (pentru programatori)

Denumire	R - mm	
	Raza teoretică	Netăiat
BNMX0603	2.0	0.42







[www.atma-grup.ro](http://www.atma-grup.ro)



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