



THREADING TOOLS

ISO-CODES



P	Steel, high-alloyed steel
M	Stainless steel
K	Grey cast iron, spheroidal and malleable cast iron
N	Aluminium and other non-ferrous metals
S	Special-, super- and Ti-alloys
H	Hardened steel and hard cast iron

Recommendations regarding tool suitability for the following application groups can be found on the following program pages:

- optimal suitability
- limited suitability

PICTOGRAMS



TOOL MATERIAL	VHM		HSS	HSS-E	HSS-E-PM								
	Solid carbide												
SURFACE FINISH	bright	nitri-ded	steam tempered	TiCN	Al-TiZrN	TiAlN	TiN	Al-TiN	Al-CrN				
TOLERANCE CLASS	ISO2/6H	6HX	ISO3/6G	2B	6GX	6g							
FORM	B	C	D	E									
CUTTING DIRECTION													
	right-hand		left-hand										
SHANK FORM													
THREAD DEPTH	1xD	2xD											
STANDARD	DIN 371	DIN 376	DIN 374	DIN 371/376	~DIN 371	~DIN 376	~DIN 371/376	~DIN 374	DIN 5156				
	DIN 40432	DIN 2180	DIN 352	~DIN 352	DIN 357	DIN 5157	DIN EN 22568						
	to Stock standard												
TYPE	Produktiv Synchron	Produktiv N-X	Produktiv N	Intensiv Synchron	Intensiv N-X	Intensiv N	Produktiv HX	Produktiv HDX	N	Massiv N	Intensiv HX	Intensiv HDX	
	HCX	H	Produktiv H	HR15	Produktiv HD	Intensiv HD	GG	Produktiv W	Intensiv W	Durativ	VA	TMC SP	TM SP



Our Threading Tool Range

Threading tools are together with drills, reamers and milling cutters the most important types in the range of STOCK precision cutting tools. The variety of design, together with different thread forms, manufactured in diverse tolerances according to DIN standard or special made, offers

a large choice for solving threading problems. The quality of the drilled hole in respect of correct size, roundness, straightness and surface roughness has an eminent influence on the produced thread. To be on the safe side, it is recommended to use STOCK drills for better results.

Request our catalogue or contact us for our recommendation for the most suitable tool.



STOCK-

Threading Tools

Machine Taps
Thread Forming Taps
Thread Milling Cutters
Hand Taps
Circular Dies

STOCK-

Cutting Material

HSS
HSS-E
HSS-E-PM
Solid Carbide

STOCK-

Thread Standards

Metric, Metric Fine
UNC, UNF
BSW, G
PG, NPT

STOCK-

Coloured band indication



General steels up to 800 N/mm²



High tens. mat. > 1100...1400 N/mm²



Stainless and acid-resisting steel



Universal applications < 1100 N/mm²



Aluminium and Al-alloys



Cast materials

Designation of the symbols for the hole types



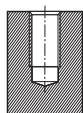
= through hole, short



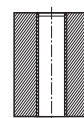
= blind hole 1 x D



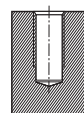
= through hole 1 x D



= blind hole 2 x D



= through hole 2 x D



= blind hole till drilling base

STOCK-

Standard Types

PRODUKTIV

Type N, W, H, HD, HDX, HX, N-X and Synchro Machine taps with straight flutes and spiral point for machine tapping of through holes

INTENSIV

Type N, W, H, HD, HDX, HX, N-X and Synchro Machine taps with spiral flutes 10°, 15°, 25°, 40°, 45° and 50° for blind holes

MASSIV

Type N
Spiral point taps for machine tapping of through holes in sheet metal, punched or drilled

DURATIV

Type N
Cold forming taps, with and without lubrication grooves

STOCK-

Solutions

We manufacture special threading tools, like taps, cold forming taps or thread milling cutters, with or without coolant through supply, also for dry machining, minimal lubrication and for threads into hardened material. For best results the tools are bright finish, steam tempered, nitrided or coated with e.g. TiN, TiCN, TiAlN or/and MoS₂ (for better lubrication).

P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Machine taps for ISO metric threads

	Produktiv Synchro	B	ISO2/6H	HSS-E-PM	TiCN	DIN 371	M 2 - M10	53053	362
	Produktiv Synchro	B	ISO2/6H	HSS-E-PM	TiCN	DIN 376	M12 - M20	53054	363
	Produktiv N-X	B	6HX	HSS-E	AlTiZrN	~DIN 371/~DIN 376	M 2 - M30	53733	364
	Produktiv N	B	ISO2/6H	HSS-E	TiN	DIN 371	M 3 - M10	63033	365
	Produktiv N	B	ISO2/6H	HSS-E	steam tempered	DIN 371	M 3 - M10	73033	366
	Produktiv N	B	ISO2/6H	HSS-E	steam tempered	DIN 376	M12 - M24	73038	367
	Intensiv Synchro	C	6HX	HSS-E-PM	TiCN	DIN 371	M 5 - M10	53050	368
	Intensiv Synchro	C	6HX	HSS-E-PM	TiCN	DIN 376	M12 - M20	53051	369
	Intensiv N-X	C	6HX	HSS-E	TiAlN	~DIN 371/~DIN 376	M 2 - M30	53746	370
	Intensiv N	C	ISO2/6H	HSS-E	TiN	DIN 371	M 3 - M10	63046	371
	Intensiv N	C	ISO2/6H	HSS-E	steam tempered	DIN 371	M 3 - M10	73046	372
	Intensiv N	C	6HX	HSS-E	TiN	DIN 376	M12 - M20	63048	373
	Intensiv N	C	ISO2/6H	HSS-E	steam tempered	DIN 376	M12 - M24	73048	374
	Intensiv N	E	ISO2/6H	HSS-E	bright	DIN 371	M 4 - M10	73047	375
	Produktiv HX	B	6HX	HSS-E-PM	AlTiN	DIN 371/ DIN 376	M 3 - M16	53669	376
	Intensiv HDX	B	6HX	HSS-E-PM	TiCN	DIN 371/ DIN 376	M 3 - M16	53667	377

P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Machine taps for ISO metric threads

	•			○			N	C	ISO2/6H	HSS-E	bright	DIN 371	M 1 - M10	73185	378
	•			○			N	C	ISO2/6H	HSS-E	bright	DIN 376	M 6 - M22	73191	379
	•			○			Massiv N	B	ISO2/6H	HSS-E	bright	DIN 371	M 2.3 - M10	73126	380
			○		•	•	Intensiv HX	C	6HX	HSS-E-PM	AlTiN	DIN 371/ DIN 376	M 3 - M16	53668	381
		•			•		Intensiv HDX	C	6HX	HSS-E-PM	TiCN	DIN 371/ DIN 376	M 3 - M16	53666	382
	•		•	○	•	○	HCX	C	6HX	HSS-E-PM	TiCN	DIN 371	M 5 - M10	53670	383
				•			H	C	6HX	Solid carbide	bright	DIN 371	M 3 - M10	73011	384
	•			○			Produktiv N	B	ISO2/6H	HSS-E	TiN	DIN 371	M 3 - M10	63133	385
	•			○			Produktiv N	B	ISO3/6G	HSS-E	bright	DIN 371	M 2.5 - M10	73132	386
	•			○			Produktiv N	B	ISO2/6H	HSS-E	bright	DIN 371	M 2 - M10	73133	387
	•			○			Produktiv N	B	ISO2/6H	HSS-E	TiN	DIN 376	M12 - M20	63138	388
	•			○			Produktiv N	B	ISO2/6H	HSS-E	bright	DIN 376	M 2 - M24	73138	389
	•			○			Intensiv N	C	ISO2/6H	HSS-E	TiN	DIN 371	M 3 - M10	63146	390
	•			○			Intensiv N	C	ISO3/6G	HSS-E	bright	DIN 371	M 3 - M10	73145	391
	•			○			Intensiv N	C	ISO2/6H	HSS-E	bright	DIN 371	M 2 - M10	73146	392
	•			○			Intensiv N	C	ISO2/6H	HSS-E	bright	DIN 371	M 2 - M10	73221	393

P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Machine taps for ISO metric threads

	•			○		Intensiv N	C	ISO2/6H	HSS-E	TiN	DIN 376	M12 - M20	63148	394
	•			○		Intensiv N	C	ISO2/6H	HSS-E	bright	DIN 376	M 3 - M30	73148	395
	•			○		Intensiv N	C	ISO2/6H	HSS-E	bright	DIN 376	M 3 - M20	73227	396
	•		○			Produktiv H	B	ISO2/6H	HSS-E-PM	TiCN	DIN 371/ DIN 376	M 3 - M10	53640	397
	•		○			Produktiv H	B	ISO2/6H	HSS-E	TiCN	DIN 371	M 2 - M10	53642	398
	•		○			Produktiv H	B	ISO2/6H	HSS-E-PM	TiN	DIN 371	M 3 - M10	63641	399
	•		○			Produktiv H	B	ISO2/6H	HSS-E-PM	bright	DIN 371	M 3 - M10	73640	400
	•		○			Produktiv H	B	ISO2/6H	HSS-E	nitrided	DIN 371	M 2 - M10	73642	401
	•		○			Produktiv H	B	ISO2/6H	HSS-E-PM	TiN	DIN 376	M12 - M20	63643	402
	•		○			Produktiv H	B	ISO2/6H	HSS-E	nitrided	DIN 376	M12 - M20	73645	403
	•		○			Intensiv H	C	ISO2/6H	HSS-E	TiCN	DIN 371/ DIN 376	M 2 - M10	53661	404
	•					Intensiv H	C	ISO2/6H	HSS-E	TiN	DIN 371	M 3 - M10	63674	405
	•		○			H R15	C	ISO2/6H	HSS-E-PM	bright	DIN 371	M 3 - M10	73619	406
	•		○			Intensiv H	C	ISO2/6H	HSS-E	bright	DIN 371	M 3 - M10	73661	407
	•		○			Intensiv H	C	ISO2/6H	HSS-E	TiN	DIN 376	M12 - M20	63675	408
	•		○			Intensiv H	C	ISO2/6H	HSS-E	bright	DIN 376	M12 - M20	73664	409

P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Machine taps for ISO metric threads

	•		○			H R15	C	ISO2/6H	HSS-E-PM	bright	DIN 376	M12 - M20	73666	410
	•				•	H	D	ISO2/6H	Solid carbide	TiCN	~DIN 371	M 3 - M12	63010	411
		•		○		Produktiv HD	B	ISO2/6H	HSS-E-PM	TiCN	DIN 371	M 3 - M10	53641	412
		•		○		Produktiv HD	B	ISO2/6H	HSS-E	TiN	DIN 371	M 3 - M10	63176	413
		•		○		Produktiv HD	B	ISO2/6H	HSS-E	steam tempered	DIN 371	M 3 - M10	73176	414
		•		○		Produktiv HD	B	ISO2/6H	HSS-E-PM	bright	DIN 371	M 3 - M10	73641	415
		•		○		Produktiv HD	B	ISO2/6H	HSS-E-PM	TiCN	DIN 376	M12 - M16	53643	416
		•		○	○	Produktiv HD	B	6HX	HSS-E	TiN	DIN 376	M12 - M16	63177	417
		•		○		Produktiv HD	B	ISO2/6H	HSS-E	steam tempered	DIN 376	M12 - M20	73177	418
		•		○	○	Produktiv HD	B	ISO2/6H	HSS-E-PM	bright	DIN 376	M12 - M22	73643	419
		•		○	○	Intensiv HD	C	ISO2/6H	HSS-E-PM	TiCN	DIN 371	M 3 - M10	53662	420
		•		○	○	Intensiv HD	C	ISO2/6H	HSS-E-PM	TiN	DIN 371	M 3 - M10	63662	421
		•		○		Intensiv HD	C	ISO2/6H	HSS-E	steam tempered	DIN 371	M 3 - M10	73660	422
		•		○	○	Intensiv HD	C	ISO2/6H	HSS-E-PM	bright	DIN 371	M 3 - M10	73662	423
		•		○		Intensiv HD	C	ISO2/6H	HSS-E-PM	TiCN	DIN 376	M12 - M16	53665	424
		•		○	•	Intensiv HD	C	ISO2/6H	HSS-E-PM	TiN	DIN 376	M12 - M16	63665	425

P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Machine taps for ISO metric threads

	Intensiv HD	C	ISO2/6H	HSS-E	steam tempered	DIN 376	M12 - M20	73659	426
	Intensiv HD	C	ISO2/6H	HSS-E-PM	bright	DIN 376	M12 - M24	73665	427
	GG	C	6HX	HSS-E	AlTiN	DIN 371	M 3 - M10	63201	428
	GG	C	6HX	HSS-E	nitrided	DIN 371	M 3 - M10	73201	429
	GG	C	6HX	HSS-E	nitrided	DIN 376	M12 - M20	73211	430
	Produktiv W	B	ISO2/6H	HSS-E	bright	DIN 371	M 2 - M10	73131	431
	Produktiv W	B	ISO2/6H	HSS-E	bright	DIN 376	M12 - M20	73189	432
	Intensiv W	C	ISO2/6H	HSS-E	bright	DIN 371	M 2 - M10	73156	433
	Intensiv W	C	ISO2/6H	HSS-E	bright	DIN 376	M12 - M20	73136	434

Machine taps for ISO metric fine threads

	Intensiv N-X	C	6HX	HSS-E	TiAlN	DIN 374	M 6 X0.75 - M24 X1.5	53780	435
	Produktiv N-X	B	6HX	HSS-E	AlTiZrN	DIN 374	M 6 X0.75 - M24 X1.5	53778	436
	Produktiv Synchro	B	ISO2/6H	HSS-E-PM	TiCN	DIN 374	M 8 X1 - M16 X1.5	53055	437
	Intensiv Synchro	C	6HX	HSS-E-PM	TiCN	DIN 374	M 8 X1 - M20 X1.5	53052	438
	Produktiv N	B	ISO2/6H	HSS-E	steam tempered	DIN 374	M 6 X0.75 - M20 X1.5	73183	439
	Intensiv N	C	ISO2/6H	HSS-E	steam tempered	DIN 374	M 6 X0.75 - M20 X1.5	73187	440

P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Machine taps for ISO metric fine threads

	N	C	ISO2/6H	HSS-E	bright	DIN 374	M 8 X0.75 - M24 X1.5	73237	441
	Produktiv N	B	ISO2/6H	HSS-E	bright	DIN 374	M 4 X0.5 - M36 X1.5	73250	442
	Intensiv N	C	ISO2/6H	HSS-E	bright	DIN 374	M 3 X0.35 - M30 X2	73173	443
	Intensiv N	C	ISO2/6H	HSS-E	TiN	DIN 374	M 8 X1 - M20 X1.5	63173	444
	Produktiv H	B	ISO2/6H	HSS-E	nitrided	DIN 374	M 3 X0.35 - M22 X1.5	73646	445
	Produktiv HD	B	ISO2/6H	HSS-E	steam tempered	DIN 374	M 5 X0.5 - M20 X1.5	73178	446
	Intensiv HD	C	ISO2/6H	HSS-E	steam tempered	DIN 374	M 8 X1 - M20 X1.5	73180	447
	GG	C	6HX	HSS-E	nitrided	DIN 374	M 8 X1 - M20 X1.5	73194	448

Machine taps for UNC-threads

	Produktiv N	B	2B	HSS-E	steam tempered	~DIN 371	4 -40 - 3/8 -16	73308	449
	Produktiv N	B	2B	HSS-E	steam tempered	~DIN 376	1/2 -13 - 3/4 -10	73309	450
	Intensiv N	C	2B	HSS-E	steam tempered	~DIN 371	4 -40 - 3/8 -16	73322	451
	Intensiv N	C	2B	HSS-E	steam tempered	~DIN 376	1/2 -13 - 3/4 -10	73323	452
	Produktiv HD	B	2B	HSS-E	steam tempered	~DIN 371	4 -40 - 3/8 -16	73297	453
	Produktiv HD	B	2B	HSS-E	steam tempered	~DIN 376	1/2 -13 - 1 - 8	73298	454
	Intensiv HD	C	2B	HSS-E	steam tempered	~DIN 371	4 -40 - 3/8 -16	73304	455

P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Machine taps for UNC-threads

	●	○	○	○	○	Intensiv HD	C	2B	HSS-E	steam tempered	~DIN 376	1/2 -13 - 3/4 -10	73305	456
	●	○	○	○	○	GG	C	2B	HSS-E	nitrided	~DIN 371	8 -32 - 3/8 -16	73326	457
	●	○	○	○	○	GG	C	2B	HSS-E	nitrided	~DIN 376	1/2 -13 - 1 - 8	73327	458

Machine taps for UNF-threads

	●	○	○	○	○	Produktiv N	B	2B	HSS-E	steam tempered	~DIN 374	10 -32 - 5/8 -18	73310	459
	●	○	○	○	○	Intensiv N	C	2B	HSS-E	steam tempered	~DIN 374	10 -32 - 5/8 -18	73324	460
	●	○	○	○	○	Produktiv HD	B	2B	HSS-E	steam tempered	~DIN 374	10 -32 - 5/8 -18	73299	461
	●	○	○	○	○	Intensiv HD	C	2B	HSS-E	steam tempered	~DIN 374	10 -32 - 3/4 -16	73306	462

Machine taps for NPT-threads

	○	●	○	○	○	VA	C		HSS-E	steam tempered	Company std.	1/8 - 3/4	73293	463
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Machine taps for BSP-threads

	●	○	○	○	○	Produktiv N	B		HSS-E	steam tempered	DIN 5156	G 1/8 - G1	73321	464
	●	○	○	○	○	Intensiv N	C		HSS-E	steam tempered	DIN 5156	G 1/8 - G1	73325	465
	●	○	○	○	○	Intensiv N-X	C	X	HSS-E	TiAlN	DIN 5156	G 1/16 - G1	53788	466
	●	○	○	○	○	Intensiv N	C		HSS-E	bright	DIN 5156	G 1/8 - G1 1/2	73286	467
	●	○	○	○	○	Produktiv HD	B		HSS-E	steam tempered	DIN 5156	G 1/8 - G1	73300	468

P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Machine taps for BSP-threads

	●	●	●	○		Intensiv HD	C		HSS-E	steam tempered	DIN 5156	G 1/8 - G1	73288	469
	●	●	●	○		GG	C		HSS-E	nitrided	DIN 5156	G 1/8 - G1	73345	470
	●	●	●	○	○	Produktiv N-X	B	X	HSS-E	AlTiZrN	DIN 5156	G 1/16 - G1	53787	471

Machine taps for PG-threads for electr. conduits

	●	●	○	○	○	N	B		HSS-E	bright	DIN 40432	PG 7 - PG 16	73296	472
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Short hand taps for NPT-threads

	●	●	○	○	○	N	C		HSS-E	bright	Company std.	1/16 - 1	73295	473
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Fluteless machine taps with oil grooves for ISO metric threads

	●	●	●	○	○	Durativ	C	6HX	HSS-E	bright	~DIN 371	M 3 - M10	73120	474
	●	●	●	○	○	Durativ	C	6HX	HSS-E	TiN	~DIN 371	M 3 - M10	63120	475
	●	●	●	○	○	Durativ	C	6GX	HSS-E	TiN	~DIN 371	M 3 - M10	63119	476
	●	●	●	○	○	Durativ	C	6HX	HSS-E	TiN	~DIN 376	M12 - M16	63122	477
	●	●	●	○	○	Durativ	C	6HX	HSS-E-PM	AlCrN	~DIN 371	M 3 - M10	53620	478
	●	●	●	○	○	Durativ	C	6GX	HSS-E-PM	AlCrN	~DIN 371	M 3 - M10	53621	479
	●	●	●	○	○	Durativ	C	6HX	HSS-E-PM	AlCrN	~DIN 376	M12 - M20	53622	480

P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Oil feed fluteless taps with oil grooves f. ISO metric threads



•	•	•	•	•	•	Durativ	C	6HX	Solid carbide	TiCN	~DIN 371	M 3 - M10	63013	481
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Fluteless machine taps w/o oil grooves for ISO metric threads



•	•	•	•	•	•	Durativ	C	6HX	HSS-E	bright	DIN 371	M 2 - M10	73121	482
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•	•	•	•	•	•	Durativ	C	6HX	HSS-E	TiN	DIN 371	M 2 - M10	63121	483
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•	•	•	•	•	•	Durativ	C	6HX	HSS-E	TiN	~DIN 376	M12 - M20	63123	484
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Thread milling cutters with chamfer for ISO metric threads



•	•	•	•	•	•	TMC SP			Solid carbide	bright	Company std.	M 3 - M20	73810	485
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•	•	•	•	•	•	TMC SP	○		Solid carbide	TiCN	Company std.	M 3 - M20	53810	486
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Thread milling cutters with chamfer for ISO metric fine threads



•	•	•	•	•	•	TMC SP	○		Solid carbide	TiCN	Company std.	M 4 X0.5 - M16 X1.5	53820	487
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•	•	•	•	•	•	TMC SP			Solid carbide	bright	Company std.	M 4 X0.5 - M16 X1.5	73820	488
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Thread milling cutters without chamfer for ISO metric threads



•	•	•	•	•	•	TM SP			Solid carbide	bright	Company std.	M 6 - M20 X1.5	73830	489
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•	•	•	•	•	•	TM SP	○		Solid carbide	TiCN	Company std.	M 6 - M20 X1.5	53830	490
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P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Hand taps for ISO-metric threads, set, right hand cutting



•	○	•	•	•	•	N	A/D/C	ISO2/6H	HSS	bright	DIN 352	M 1 - M24	73531	491
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Hand taps for ISO-metric threads, set, left hand cutting



•	○	•	•	•	•	N	A/D/C	ISO2/6H	HSS	bright	DIN 352	M 4 - M16	73532	492
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Hand taps for ISO-metric fine threads, set



•	○	•	•	•	•	N	D/C	ISO2/6H	HSS	bright	DIN 2181	M 5 X0.5 - M18 X1.5	73521	493
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Hand taps for UNC-threads, set



•	○	•	•	•	•	N	A/D/C	2B	HSS	bright	~DIN 352	4 - 40 - 3/4 - 10	73535	494
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Hand taps for BSW-threads, set



•	○	•	•	•	•	N	A/D/C		HSS	bright	~DIN 352	W 1/8 - W 3/4	73534	495
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P	M	K	N	S	H	Type	Form	Tolerance class	Tool material	Surface	Standard	d1	Catalog no.	Progr. page
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Hand taps for pipe threads, set



•	○	•	•	•	•	N	D/C		HSS	bright	DIN 5157	G 1/8 - G 1/2	73522	496
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Machine combination drill taps for ISO metric threads



•	○	•	•	•	•	N	D	ISO2/6H	HSS-E	bright	Company std.	M 3 - M12	73248	497
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Machine nut taps for ISO metric threads



•	○	•	•	•	•	N		ISO2/6H	HSS-E	bright	DIN 357	M 3 - M18	73243	498
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Dies for ISO metric threads



•	○	•	•	•	•		B	6h	HSS	bright	DIN EN 22568	M 1 - M30	73400	499
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•	○	•	•	•	•		B	6g	HSS	bright	DIN EN 22568	M 3 - M18	73410	500
---	---	---	---	---	---	--	---	----	-----	--------	--------------	-----------	-------	-----



•	•	•	•	•	•		B	6g	HSS-E	nitrided	DIN EN 22568	M 2.5 - M20	73413	501
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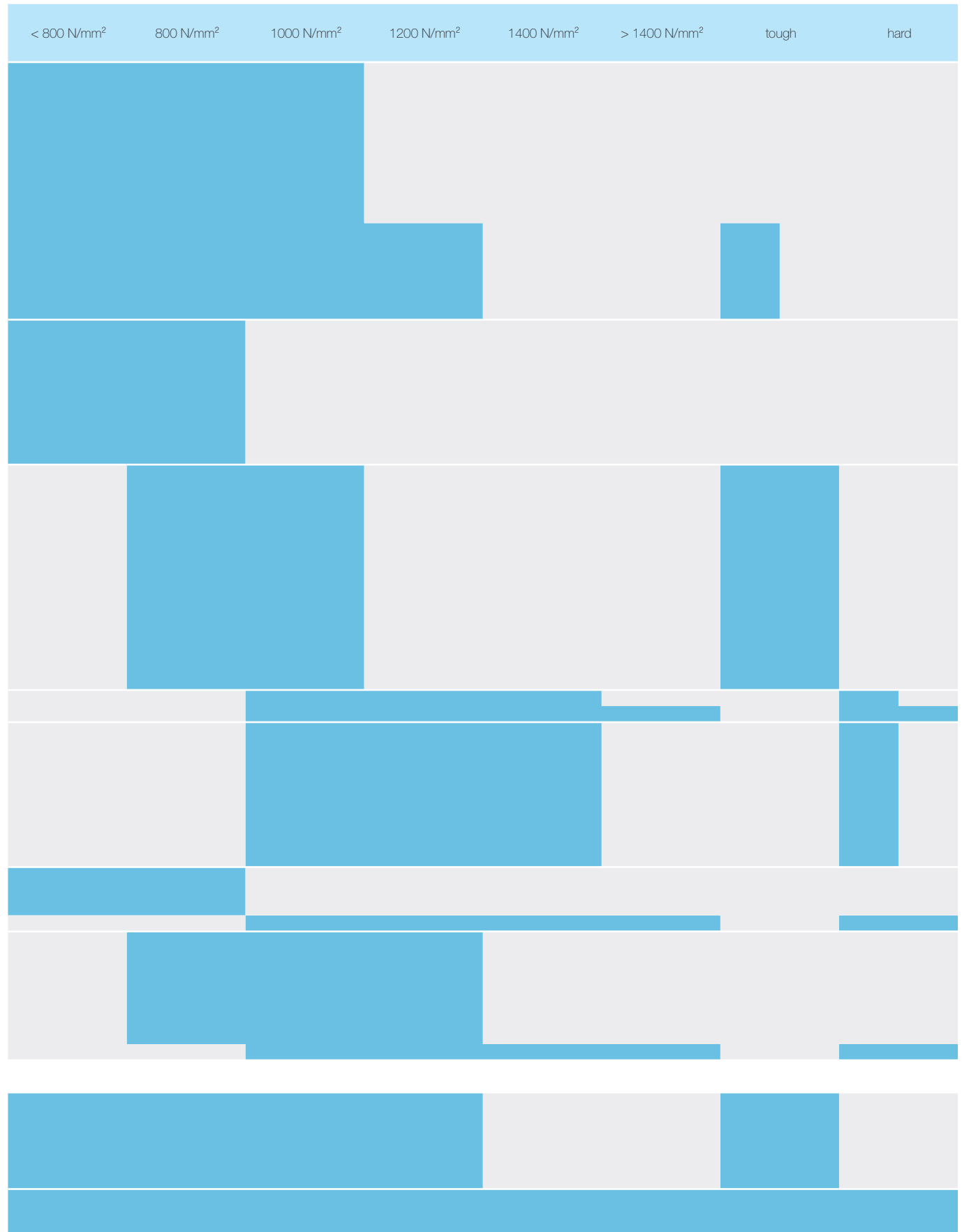
Application

by materials

Coloured ring	Catalog no.		Nonferrous metals, Aluminium	Steels	GG, GGG	Stainless and acid resistant steels	Nickel, Titanium alloys	Harded steels
	Produktiv	Intensiv						
Green	73033	73046						
	73038	73048						
	73183	73187						
	73308	73322						
	73309	73323						
	73310	73324						
	73321	73325						
	63033	63046						
		63048						
		73047						
	53733	53746						
	53778	53780						
	53787	53788						
	53053	53050						
	53054	53051						
	53055	53052						
Green Synchro								
Yellow	73133	73146						
	73132	73145						
	73138	73148						
	73250	73173						
		73227						
		73286						
	63133	63146						
	63138	63148						
		63173						
Blue	73176	73660						
	73177	73659						
	73178	73180						
	73297	73304						
	73298	73305						
	73299	73306						
	73300	73288						
	63176	73662						
	63177	73665						
	73641	63662						
	73643	63665						
		73293						
	53641	53662						
	53643	53665						
w/o ring	53667	53666						
	53669	53668						
Red	73642	53661						
	73645	73619						
	73646	73661						
	53642	73664						
	73640	73666						
	63641	63010						
	63643	63674						
	53640	63675						
	53670	53670						
Black	73131	73156						
	73189	73136						
	73011	73011						
	53670	53670						
White	73201	73201						
	73211	73211						
	73194	73194						
	73326	73326						
	73327	73327						
	73345	73345						
	63201	63201						
	53670	53670						
for blind and through holes								
Thread forming taps	73121	63122						
	63121	53620						
	63123	53621						
	73120	53622						
	63120	63013						
	63119							
Thread milling cutters	73810	53820						
	73820	73830						
	53810	53830						

optimal well suited

by tensile strength



Application recommendations for taps

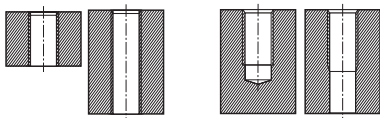


Material examples	for universal applications in materials <1100 MPa, e. g. : structural steels, free-cutting steels case hardened steels, heat-treatable steels nitriding steels spheroidal graphite cast iron					for synchro machining universal applications in materials up to 1200 MPa	
Tool material	HSS-E					HSS-E-PM	HSS-E-PM
Type	Produktiv N		Intensiv N		Intensiv N	Produktiv-Synchro	Intensiv-Synchro
Form	B		C		E	B	C
Surface finish	steam temp.	TiN	steam temp.	TiN	br	TiCN	TiCN
v_c m/min	≤ 15	≤ 20	≤ 15	≤ 20	≤ 15	≤ 20	≤ 20

Thread type	Dimensions to DIN 2184-1	Tolerance zone	Catalog no./Ø-range/Page					
M	DIN 371	ISO 2 6H	73033 M3 - M10 366	63033 M3 - M10 365	73046 M3 - M10 372	63046 M3 - M10 371	73047 M4 - M10 375	53053 M2 - M10 362
		6HX						53050 M5 - M10 368
	DIN 376	ISO 2 6H	73038 M12 - M24 367		73048 M12 - M24 374	63048 M12 - M20 373		53054 M12 - M20 363
		6HX						53051 M12 - M20 369
MF	DIN 374	ISO 2 6H	73183 M6x0.75 - M20x1.5 439		73187 M6x0.75 - M20x1.5 440		53055 M8x1 - M16x1.5 437	
		6HX						53052 M8x1 - M20x1.5 438
UNC	DIN ~ 371	2B	73308 Nr.4-40 - 3/8-16 449		73322 Nr.4-40 - 3/8-16 451			
	DIN ~ 376	2B	73309 1/2-13 - 3/4-10 450		73323 1/2-13 - 3/4-10 452			
UNF	DIN ~ 374	2B	73310 Nr.10-32 - 5/8-18 459		73324 Nr.10-32 - 5/8-18 460			
G	DIN 5156	-	73321 G1/8 - G1 464		73325 G1/8 - G1 465			



universal applications
steels up to 1300 Mpa
stainless- and acid resistant steels,
cast, nonferrous metals



HSS-E	HSS-E
ProduktivN-X	IntensivN-X
B	C
AlTiZrN	TiAlN
≤ 20	≤ 20
Catalog no./Ø-range/Page	
53733 M2 - M10 364	53746 M2 - M10 370
53733 M12 - M30 364	53746 M12 - M30 370
53778 MF 6x0.75 - MF 24x1.5 436	53780 MF 6x0.75 - MF 24x1.5 435
53787 G1/16 - G1 471	53788 G1/16 - G1 466

STOCK ProduktivN-X

Through hole tap, form B
with spiral point, HSS-E, AlTiZrN



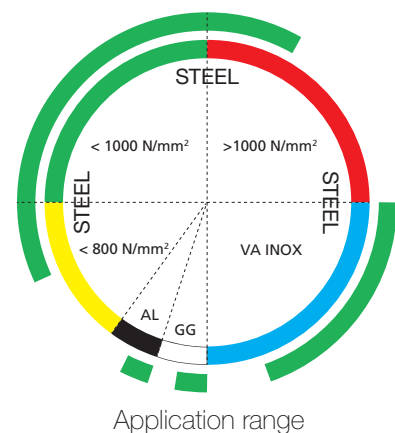
STOCK IntensivN-X

Blind hole tap, form C
45° helix, HSS-E, TiAlN

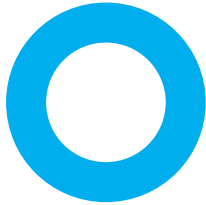


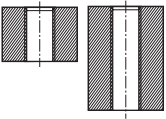
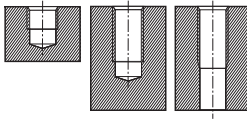
An all-rounder for the production of internal threads with an extremely wide range of application. For the machining of carbon, case-hardening, heat treatable, stainless and acid-resistant steels as well as cast materials and diverse non-ferrous metals in a tensile strength range from < 600 N/mm² to 1300 N/mm² with efficient chip evacuation, long tool life and high dimensional accuracy for the threads produced.

The innovative cutting edge geometry in combination with the controlled application of a wear-resistant TiAlN based coating and compliance with internal thread tolerances provides high quality threads of the correct size. The production of threads to manufacturing tolerance 6HX is achieved with far more economic efficiency thanks to the increased performance and for even wider universal applications and complete process reliability



Application recommendations for taps

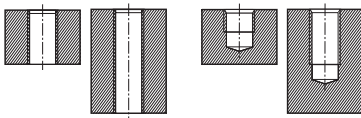


Material examples	for stainless- and acid resistant steels e. g. : sulphured stainless steels austenitic stainless steels martensitic stainless steels ferritic stainless steels				for stainless- and acid resistant steels e. g. : sulphured stainless steels austenitic stainless steels martensitic stainless steels ferritic stainless steels			
								
Hole type								
Tool material	HSS-E		HSS-E-PM		HSS-E		HSS-E-PM	
Type	Produktiv HD				Intensiv HD			
Form	B				C			
Surface finish	steam temp.	TiN	bright	TiCN	steam temp.	bright	TiCN	TiN
v_c m/min	≤ 15	≤ 20	≤ 15	≤ 20	≤ 15	≤ 15	≤ 20	≤ 20

Thread type	Dimensions to DIN 2184-1	Tolerance zone	Catalog no./Ø-range/Page							
			73176 M3 - M10 414	63176 M3 - M10 413	73641 M3 - M10 415	53641 M3 - M10 412	73660 M3 - M10 422	73662 M3 - M10 423	53662 M3 - M10 420	63662 M3 - M10 421
M	DIN 371	ISO 2 6H								
		6HX								
	DIN 376	ISO 2 6H	73177 M12 - M20 418	63177 M12 - M16 417	73643 M12 - M22 419	53643 M12 - M16 416	73659 M12 - M20 426	73665 M12 - M24 427	53665 M12 - M16 424	63665 M12 - M16 425
		6HX								
MF	DIN 374	ISO 2 6H	73178 M5x0.5 - M20x1.5 446				73180 M8x1 - M20x1.5 447			
UNC	DIN ~ 371	2B	73297 Nr.4-40 - 3/8-16 453				73304 Nr.4-40 - 3/8-16 455			
	DIN ~ 376	2B	73298 1/2-13 - 1-8 454				73305 1/2-13 - 3/4-10 456			
UNF	DIN ~ 374	2B	73299 Nr.10-32- 5/8-18 461				73306 Nr.10-32- 3/4-16 462			
G	DIN 5156	-	73300 G1/8 - G1 468				73288 G1/8 - G1 469			
NPT	Stock std.	-	73293 1/8 - 3/4 463							



for Titanium and Titanium alloys



Stable in difficult-to-machine materials

Especially for the process reliable machining of Titanium and Titanium alloys the taps type HDX complete our tap range.

Advantages:

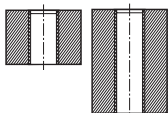
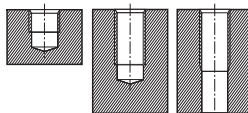
- absolutely accurate threads
- optimal chip evacuation
- no jamming
- low wear
- long tool life
- maximum process reliability

HSS-E-PM	
Produktiv HDX	Intensiv HDX
B	C
TiCN	TiCN
≤ 20	≤ 20
Catalog no./Ø-range/Page	
53667 M3 - M10 377	53666 M3 - M10 382
53667 M12 - M16 377	53666 M12 - M16 382



Application recommendations for taps



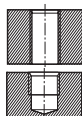
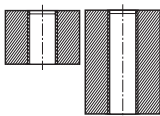
Material examples		for high tensile steels ≥ 1100...1400 MPa, e.g. : heat-treatable steels alloyed cold work tool steels high speed tool steels					for high tensile steels ≥ 1100...1400 MPa, e.g. : heat-treatable steels alloyed cold work tool steels high speed tool steels					
												
Hole type												
Tool material		HSS-E		HSS-E-PM			HSS-E			HSS-E-PM		
Type		Produktiv H					Intensiv H			HR 15		
Form		B					C			C		
Surface finish		nitrided	TiCN	bright	TiN	TiCN	bright	TiCN	TiN	bright		
v _c m/min		≤ 15	≤ 20	≤ 15	≤ 20	≤ 20	≤ 15	≤ 20	≤ 20	≤ 15		
Dimensions to DIN 2184-1		Tolerance zone										
		Catalog no./Ø-range/Page										
N 1	ISO 2 6H	73642 M2 - M10 401	53642 M2 - M10 398	73640 M3 - M10 400	63641 M3 - M10 399	53640 M3 - M10 397	73661 M3 - M10 407	53661 M2 - M10 404	63674 M3 - M10 405	73619 M3 - M10 406		
	6HX											
N 6	ISO 2 6H	73645 M12 - M20 403			63643 M12 - M20 402			73664 M12 - M20 409			63675 M12 - M20 408	73666 M12 - M20 410
	6HX			53640 M12 - M16 397				53661 M12 - M16 404				
Stock d.	ISO 2 6H											
N 4	ISO 2 6H	73646 M3x0.35 - M22x1.5 445										
N 71	2B											
N 76	2B											
N 74	2B											
N 56	-											



for
high tensile
materials
 $\geq 1400 \text{ MPa}$

for
high tensile
special alloys
 $\geq 1400 \text{ MPa}$,
e. g. : Inconel

for
hardened
steels
54-62 HRC



HSS-E-PM	HSS-E-PM		Solid carbide
HCX	Produktiv HX	Intensiv HX	H
C	B	B	D
TiCN	AlTiN	AlTiN	TiCN
≤ 20	≤ 20	≤ 20	≤ 2

Catalog no./Ø-range/Page

53670 M5 - M10 383	53669 M3 - M10 376	53668 M3 - M10 381
	53669 M12 - M16 376	53668 M12 - M16 381
		63010 M3 - M12 411

In difficult cases.

With taps type HX and HCX STOCK offers special solutions for the machining of high-tensile materials. Their special hard coating adds high wear resistance for the high requirements of hard machining.

Application range **HX**:

- Inconel
- Hastelloy
- Waspalloy
- Nickel based alloys

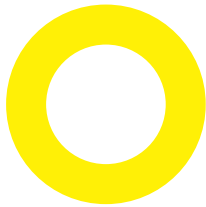
Application range **HCX**:

- tool steels
- all. heat-treatable steels
- high speed steels
- malleable cast iron
- cast w. vermicular graphite
- cast w. spheroidal graphite
- bronze, hard
- special materials, hard
- Ampco >21

Advantages:

- process reliable tapping
- long tool life
- accuracy

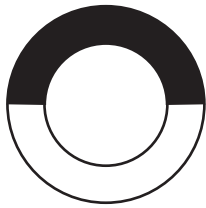
Application recommendations for taps



Material examples	for gen. steels ≤ 800 MPa and non-ferrous metals	for gen. steels ≤ 800 MPa, e. g.: structural steels free-cutting steels case hardened steels heat-treatable steels	for gen. steels ≤ 800 MPa, e. g.: structural steels free-cutting steels case hardened steels heat-treatable steels	for gen. steels ≤ 800 MPa and non-ferrous metals	for gen. steels ≤ 800 MPa, e. g.: structural steels free-cutting steels case hardened steels heat-treatable steels
Hole type					
Tool material	HSS-E				
Type	Massiv N	N	Produktiv N		Intensiv N
Form	B	C	B		C
Surface finish	bright	bright	bright	TiN	bright bright TiN
v_c m/min	≤ 15	≤ 15	≤ 15	≤ 20	≤ 15 ≤ 15 ≤ 20

Thread type	Dimensions to DIN 2184-1	Tolerance zone	Catalog no./Ø-range/Page						
M	DIN 371	ISO 2 6H	73126 M2.3 - M10 380	73185 M1 - M10 378	73133 M2 - M10 387	63133 M3 - M10 385	73221 M2 - M10 393	73146 M2 - M10 392	63146 M3 - M10 390
		ISO 3 6G			73132 M2.5 - M10 386			73145 M3 - M10 391	
	DIN 376	ISO 2 6H		73191 M6 - M22 379	73138 M2 - M24 389	63138 M12 - M20 388	73227 M3 - M20 396	73148 M3 - M30 395	63148 M12 - M20 394
MF	DIN 374	ISO 2 6H		73237 M8x0.75 - M24x1.5 441	73250 M4x0.50 - M36x1.5 442			73173 M3x0.35 - M30x2 443	63173 M8x1 - M20x1.5 444
G	DIN 5156	-						73286 G1/8 - G1 1/2 467	

Application recommendations for taps

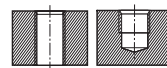
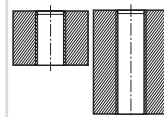
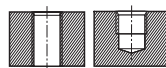
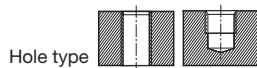


Material examples for short chipping non-ferrous alloys, e. g.: AlSi > 10% Si

for Al and Al-alloys, e. g.: pure aluminium-alloys Al wrought alloys < 10% Si

for short chipping Al and Al-alloys non-ferrous metals plastics

for cast materials, e. g.: grey cast iron malleable cast iron spheroidal graphite cast iron cast iron



Tool material	HSS-E-PM	HSS-E		Solid carbide	HSS-E-PM	HSS-E	
Type	HCX	Produktiv W	Intensiv W	H	HCX	GG	
Form	C	B	C		C	C	
Surface finish	TICN	bright	bright	bright	TICN	nitrided	AlTiN
v_c m/min	≤ 20	≤ 15	≤ 15	≤ 15	≤ 20	≤ 20	≤ 30

Thread type	Dimensions to DIN 2184-1	Tolerance zone	Catalog no./Ø-range/Page					
M	DIN 371	ISO 2 6H	73131 M2 - M10 431	73156 M2 - M10 433				
		6HX	53670 M5 - M10 383		73011 M3 - M10 384	53670 M5 - M10 383	73201 M3 - M10 429	63201 M3 - M10 428
	DIN 376	ISO 2 6H	73189 M12 - M20 432	73136 M12 - M20 434				
		6HX					73211 M12 - M20 430	
MF	DIN 374	6HX					73194 M8x1 - M20x1.5 448	
UNC	DIN ~ 371	2B					73326 Nr.8-32 - 3/8-16 457	
	DIN ~ 376	2B					73327 1/2-13 - 1-8 458	
G	DIN 5156	-					73345 G1/8 - G1 470	

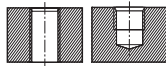
Application recommendations for hand taps, short machine- and special taps



Material examples

for gen. steels ≤ 800 MPa, e. g.:
struct. steels, free-cutting steels
case hard. steels, heat-treat. steels
The sets 73531 and 73532 are
also suitable for high tensile,
acid- and stainless resist. steels

Hole type



for general steels ≤ 800 MPa,
e. g.: structural steels
free-cutting steels
case hard. steels
heat-treat. steels



Tool material

HSS

HSS-E

Type

N

N

Form

-

B

combinat.

-

Surface finish

bright

bright

bright

bright

v_c m/min

-

≤ 15

≤ 15

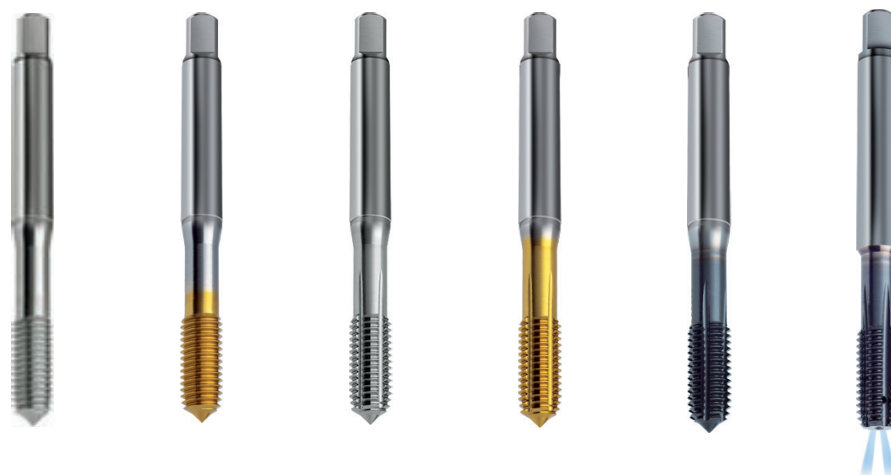
≤ 15

Thread type	Dimensions to DIN 2184-1	Tolerance zone	Catalog no./Ø-range/Page		
M	DIN 352	ISO 2 6H	73531 (Set) RH: V 73101 M 73102 F 73103 M1 - M24 491	73532 (Set) LH: V 73105 M 73106 F 73107 M4 - M16 492	73243 M3 - M18 498
	Stock std.	ISO 2 6H	73248 M3 - M12 497		
MF	DIN 2181	ISO 2 6H	73521 (Set): V 73110 / F 73111 M5x0.5 - M18x1.5 493		
UNC	~DIN 352	2B	73535 (Set): V 73301 / M 73302 / F 73303 Nr.4-40 - 3/4-10 494		
BSW	~DIN 352	-	73534 (Set): V 73311 / M 73312 / F 73313 W1/8 - W3/4 495		
G	DIN 5157	-	73522 (Set): V 73315 / F 73316 G1/8 - G1/2 496		
Pg	DIN 40432	-	73296 Pg7 - PG16 472		
NPT	Stock std.	-	73295 1 1/16 - 1 473		

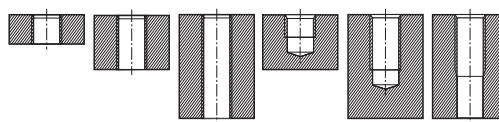


also available from STOCK:
TAPPING CHUCKS

Application recommendations for cold forming taps



Hole type



Material examples

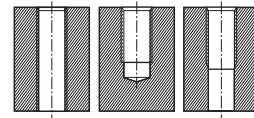
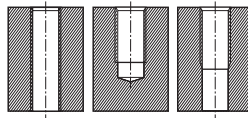
for general steels $\geq 800 \dots 1000$ MPa,
stainless and acid resistant steels,
universal applications in materials < 1000 MPa and
Al and Al-alloys

			HSS-E				HSS-E-PM	Solid carbide
			Durativ					
			C without oil grooves		C with oil grooves			
			bright	TiN	bright	TiN	AlCrN	TiCN
			4-50	4-50	4-50	4-50	4-50	4-50
Thread type	Dimensions to DIN 2174	Tolerance zone	Catalog no./Ø-range/Page					
M	~ DIN 371	6HX	73121 M2 - M10 482	63121 M2 - M10 483	73120 M3 - M10 474	63120 M3 - M10 475	53620 M3 - M10 478	63013 M3 - M10 481
		6GX				63119 M3 - M10 476	53621 M3 - M10 479	
	~ DIN 376	6HX		63123 M12 - M20 484		63122 M12 - M16 477	53622 M12 - M20 480	

Application recommendations for thread milling cutters



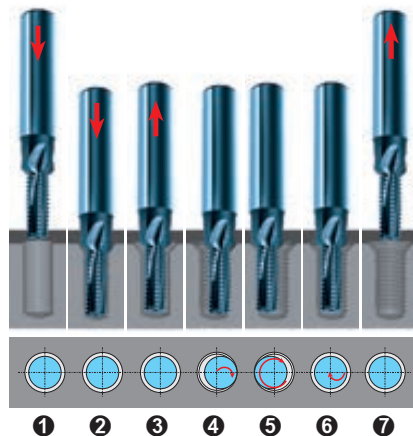
Hole type



Material examples

for universal application:
structural steels, free-cutting steels,
case hardened steels, heat-treatable steels,
tool steels, high speed steels,
sulphured, austenitic and martensitic steels, special alloys
Al and Al-alloys,
cast materials, non-ferrous metals,
plastics, magnesium-alloys, Titanium

			Solid carbide		Solid carbide	
			TMC SP		TM SP	
			-	-	-	-
			bright	TiCN	bright	TiCN
			100 - 300 (Ti: 40-60)	50 - 200	100 - 300 (Ti: 40-60)	50 - 200
Thread type	Dimensions to DIN 2184-1	Tolerance zone	Catalog no./Ø-range/Page			
M	Stock std.	2,0 x D	73810 M3 - M20 485	53810 M3 - M20 486	73830 M6 - M20 489	53830 M6 - M20 490
MF	Stock std.	2,0 x D	73820 M4x0.5 - M16x1.5 488	53820 M4x0.5 - M16x1.5 487	73830 M8x1 - M20x1.5 489	53830 M8x1 - M20x1.5 490



Machine taps

Machine taps for ISO metric threads



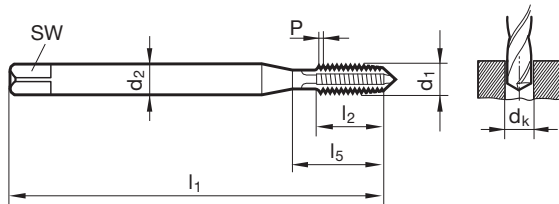
Catalog no. 53053

Produktiv Synchro	DIN 371	B	HSS-E- PM	TiCN		ISO2/6H
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P	M	K	N	S	H
•	•	•	•	○	

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1200 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	8.000	13.500
M 2.2	0.450	2.800	2.100	1.75	45.000	9.000	14.500
M 2.5	0.450	2.800	2.100	2.05	50.000	9.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



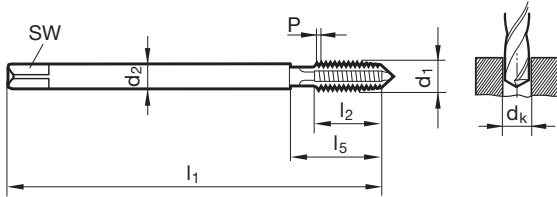
Catalog no. 53054

Produktiv Synchro	DIN 376	B	HSS-E- PM	TiCN		ISO2/6H
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P	M	K	N	S	H
•	•	•	•	○	

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1200 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	12.00	110.000	26.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	30.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000

Machine taps

Machine taps for ISO metric threads



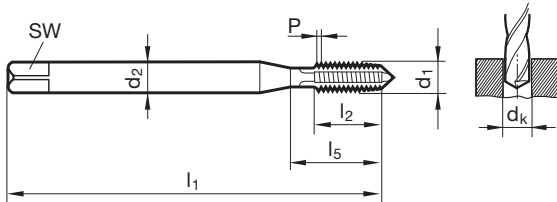
Catalog no. 53733

Produktiv N-X	~DIN 371/376	B	HSS-E	Al- TiZrN	R	6HX
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P	M	K	N	S	H
•	•	•	○	•	

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel from 600 to 1300 N/mm²
- acid resist./stainless steels
- non-ferrous metals
- cast materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	8.000	13.500
M 2.5	0.450	2.800	2.100	2.05	50.000	9.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	12.00	110.000	26.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	30.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000
M24	3.000	18.000	14.500	21.00	160.000	36.000	73.000
M30	3.500	22.000	18.000	26.50	180.000	40.000	85.000

Machine taps

Machine taps for ISO metric threads



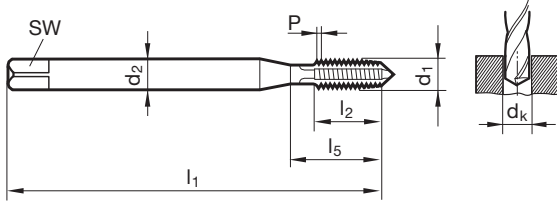
Catalog no. 63033

Produktiv N	DIN 371	B	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1100 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



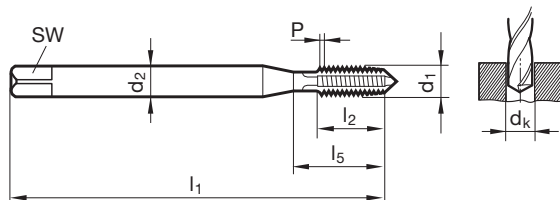
Catalog no. 73033

Produktiv N	DIN 371	B	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1100 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



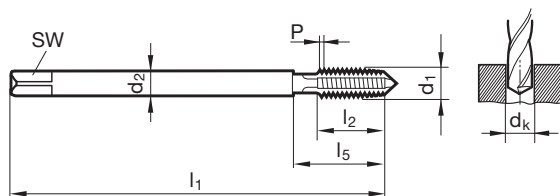
Catalog no. 73038

Produktiv N	DIN 376	B	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1100 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	12.00	110.000	26.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	30.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000
M22	2.500	18.000	14.500	19.50	140.000	32.000	62.000
M24	3.000	18.000	14.500	21.00	160.000	36.000	73.000

Machine taps

Machine taps for ISO metric threads



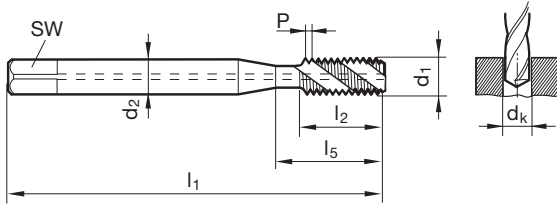
Catalog no. 53050

Intensiv Synchro	DIN 371	C	HSS-E- PM	TiCN	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 50° right-hand helix
- shorter thread length, only suitable for synchro tapping
- chip evacuation in shank direction
- universal application
- steel materials up to 1200 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 5	0.800	6.000	4.900	4.20	70.000	4.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	5.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	6.300	35.000
M10	1.500	10.000	8.000	8.50	100.000	7.500	39.000

Machine taps

Machine taps for ISO metric threads



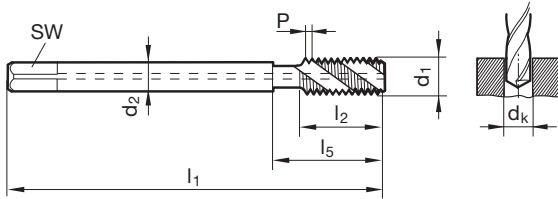
Catalog no. 53051

Intensiv Synchro	DIN 376	C	HSS-E- PM	TiCN	R	6HX
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P	M	K	N	S	H
•	•	•	•	○	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 50° right-hand helix
- shorter thread length, only suitable for synchro tapping
- chip evacuation in shank direction
- universal application
- steel materials up to 1200 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	8.800	63.000
M14	2.000	11.000	9.000	12.00	110.000	10.000	58.000
M16	2.000	12.000	9.000	14.00	110.000	10.000	58.000
M20	2.500	16.000	12.000	17.50	140.000	12.500	85.000

Machine taps

Machine taps for ISO metric threads



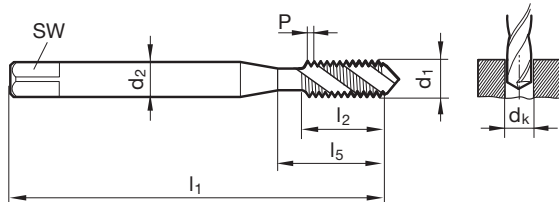
Catalog no. 53746

Intensiv N-X	~DIN 371/376	C	HSS-E	TiAIN	R	6HX
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P	M	K	N	S	H
•	•	•	○	○	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 45° right-hand helix
- chip evacuation in shank direction
- universal application
- steel from 600 to 1300 N/mm²
- acid resist./stainless steels
- non-ferrous metals
- cast materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	4.500	13.500
M 2.5	0.450	2.800	2.100	2.05	50.000	5.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M14	2.000	11.000	9.000	12.00	110.000	20.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	25.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000
M24	3.000	18.000	14.500	21.00	160.000	30.000	73.000
M30	3.500	22.000	18.000	26.50	180.000	35.000	85.000

Machine taps

Machine taps for ISO metric threads



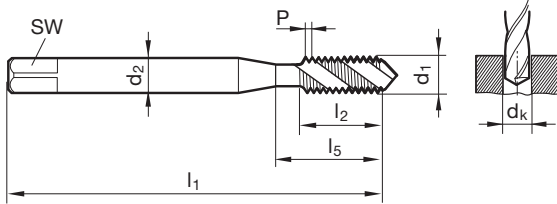
Catalog no. 63046

Intensiv N	DIN 371	C	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



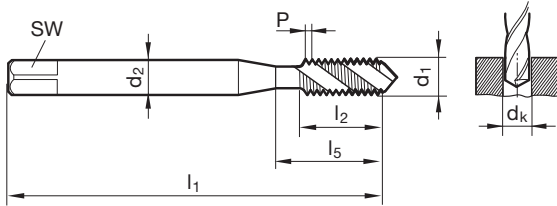
Catalog no. 73046

Intensiv N	DIN 371	C	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



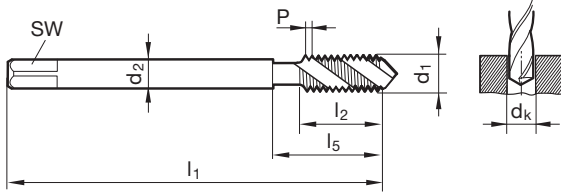
Catalog no. 63048

Intensiv N	DIN 376	C	HSS-E	TiN	R	6HX
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000

Machine taps

Machine taps for ISO metric threads



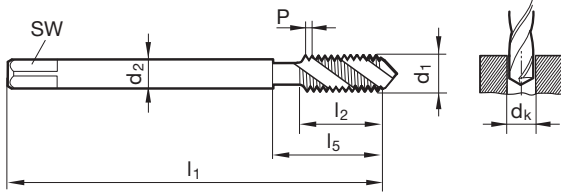
Catalog no. 73048

Intensiv N	DIN 376	C	HSS-E	steam tempered	(R)	ISO2/6H
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M14	2.000	11.000	9.000	12.00	110.000	20.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	25.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000
M22	2.500	18.000	14.500	19.50	140.000	27.000	62.000
M24	3.000	18.000	14.500	21.00	160.000	30.000	73.000

Machine taps

Machine taps for ISO metric threads



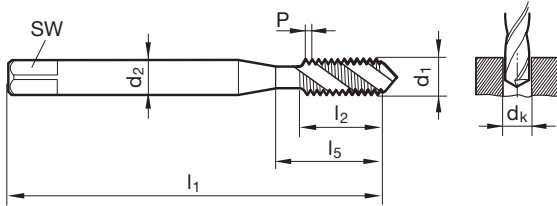
Catalog no. 73047

Intensiv N	DIN 371	E	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- short chamfer for thread depths close to base of hole
- steel materials up to 1100 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



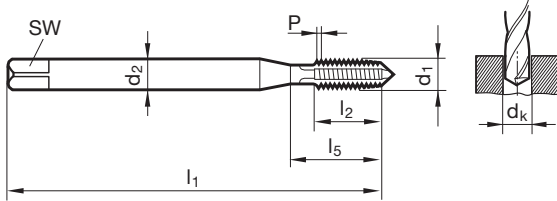
Catalog no. 53669

Produktiv HX	DIN 371/376	B	HSS-E- PM	Al- TiN	R	6HX
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P	M	K	N	S	H
		○		●	●

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- special alloys, hardened steels
- nickel and nickel based alloys
- Ampco > 21, chilled cast iron, Inconel



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000

Machine taps

Machine taps for ISO metric threads



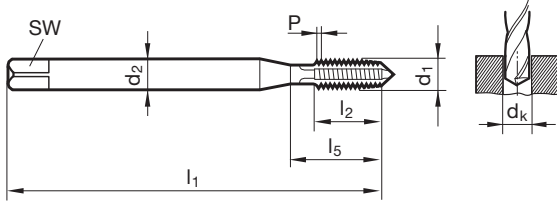
Catalog no. 53667



P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- special alloys
- Titanium and Titanium alloys
- tough materials up to 1400 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000

Machine taps

Machine taps for ISO metric threads



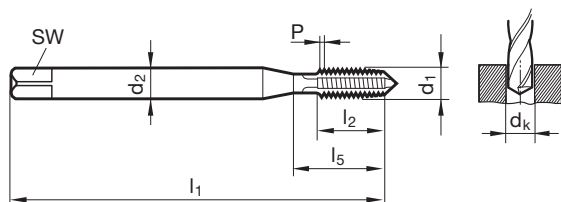
Catalog no. 73185

N	1xD	DIN 371	C	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for thread depths up to 1xD
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 1	0.250	2.500	2.100	0.75	40.000	5.500	
M 1.2	0.250	2.500	2.100	0.95	40.000	5.500	
M 1.4	0.300	2.500	2.100	1.10	40.000	7.000	
M 1.6	0.350	2.500	2.100	1.25	40.000	4.500	
M 2	0.400	2.800	2.100	1.60	45.000	4.500	13.500
M 2.3	0.400	2.800	2.100	1.90	45.000	4.500	14.500
M 2.5	0.450	2.800	2.100	2.05	50.000	5.000	14.500
M 2.6	0.450	2.800	2.100	2.15	50.000	5.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



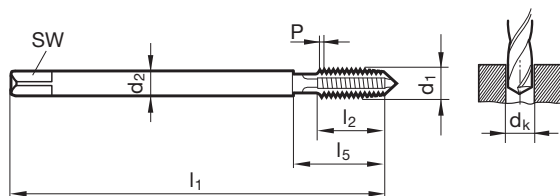
Catalog no. 73191

N	1xD	DIN 376	C	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for thread depths up to 1xD
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 6	1.000	4.500	3.400	5.00	80.000	11.000	30.000
M 8	1.250	6.000	4.900	6.80	90.000	14.000	35.000
M10	1.500	7.000	5.500	8.50	100.000	16.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M14	2.000	11.000	9.000	12.00	110.000	20.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	25.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000
M22	2.500	18.000	14.500	19.50	140.000	27.000	62.000

Machine taps

Machine taps for ISO metric threads



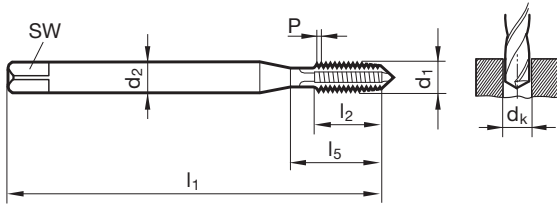
Catalog no. 73126

Massiv N	1xD	DIN 371	B	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- for thread depths up to 1xD
- especially for sheet metal, plates and bushings



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2.3	0.400	2.800	2.100	1.90	45.000	9.000	14.500
M 2.5	0.450	2.800	2.100	2.05	50.000	9.000	14.500
M 2.6	0.450	2.800	2.100	2.15	50.000	9.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 3.5	0.600	4.000	3.000	2.90	56.000	12.000	20.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



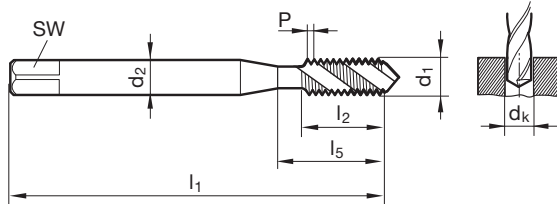
Catalog no. 53668



P	M	K	N	S	H
		○		●	●

Application
recomm. p. 348

- for blind holes
- flutes with appr. 10° right-hand helix
- chip evacuation in shank direction
- special alloys, hardened steels
- nickel and nickel based alloys
- Ampco > 21, chilled cast iron, Inconel



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000

Machine taps

Machine taps for ISO metric threads



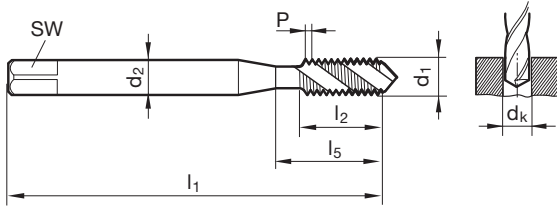
Catalog no. 53666



P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 15° right-hand helix
- chip evacuation in shank direction
- special alloys
- Titanium and Titanium alloys
- tough materials up to 1400 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000

Machine taps

Machine taps for ISO metric threads



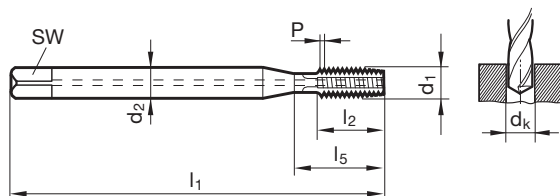
Catalog no. 53670

HCX	DIN 371	C	HSS-E-PM	TiCN	R	6HX
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P	M	K	N	S	H
●		●	○	●	○

Application
recomm. p. 348

- for through and blind holes
- with internal coolant duct $\geq$ M5
- central coolant exit
- high-tensile steel up to 1600 N/mm²
- hard and short chipping materials such as cast iron, bronze, aluminum-silicon alloys with high silicon content



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



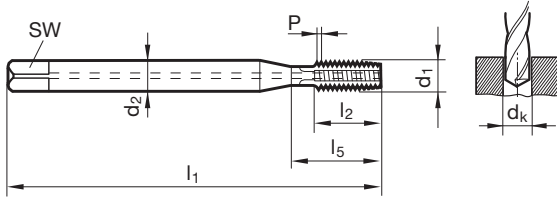
Catalog no. 73011

H	DIN 371	C	VHM	bright	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- with internal coolant duct $\geq$ M5
- central coolant exit
- short-chipping aluminium and aluminium alloys, short-chipping, brittle non-ferrous metals



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	8.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	10.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	10.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	12.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	16.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	18.000	39.000

Machine taps

Machine taps for ISO metric threads



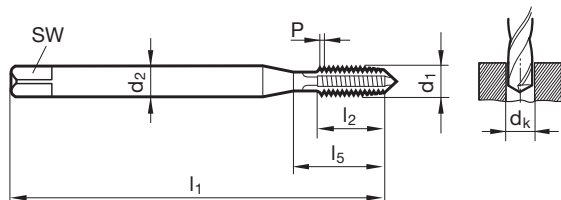
Catalog no. 63133

Produktiv N	DIN 371	B	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



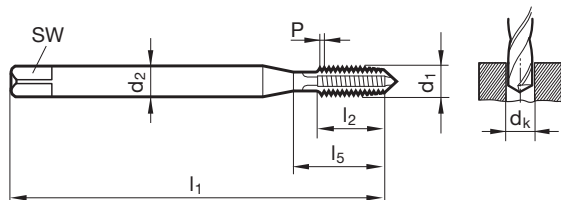
Catalog no. 73132

Produktiv N	DIN 371	B	HSS-E	bright	R	ISO3/6G
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2.5	0.450	2.800	2.100	2.05	50.000	9.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



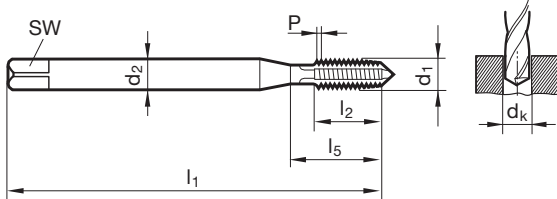
Catalog no. 73133

Produktiv N	DIN 371	B	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
•			○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	8.000	13.500
M 2.5	0.450	2.800	2.100	2.05	50.000	9.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 3.5	0.600	4.000	3.000	2.90	56.000	12.000	20.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 7	1.000	7.000	5.500	6.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



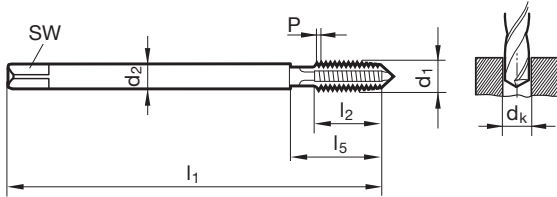
Catalog no. 63138

Produktiv N	DIN 376	B	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
●			○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	12.00	110.000	26.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000

Machine taps

Machine taps for ISO metric threads



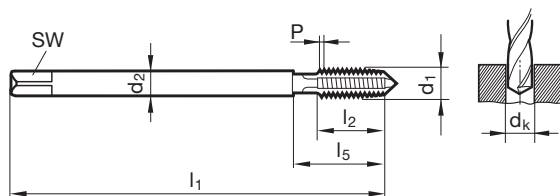
Catalog no. 73138

Produktiv N	DIN 376	B	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
•			○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	1.400		1.60	45.000	8.000	13.500
M 2.5	0.450	1.800		2.05	50.000	9.000	14.500
M 3	0.500	2.200		2.50	56.000	10.000	18.000
M 3.5	0.600	2.500	2.100	2.90	56.000	12.000	20.000
M 4	0.700	2.800	2.100	3.30	63.000	12.000	21.000
M 5	0.800	3.500	2.700	4.20	70.000	14.000	25.000
M 6	1.000	4.500	3.400	5.00	80.000	16.000	30.000
M 8	1.250	6.000	4.900	6.80	90.000	17.000	35.000
M10	1.500	7.000	5.500	8.50	100.000	20.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	12.00	110.000	26.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	30.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000
M22	2.500	18.000	14.500	19.50	140.000	32.000	62.000
M24	3.000	18.000	14.500	21.00	160.000	36.000	73.000

Machine taps

Machine taps for ISO metric threads



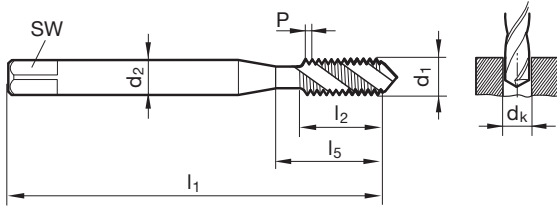
Catalog no. 63146

Intensiv N	DIN 371	C	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
•			○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



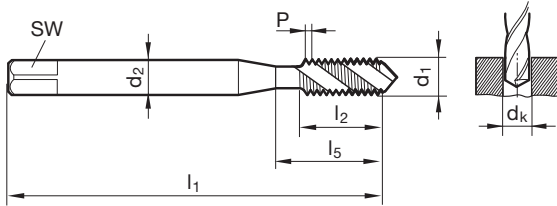
Catalog no. 73145

Intensiv N	DIN 371	C	HSS-E	bright	(R)	ISO3/6G
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P	M	K	N	S	H
●			○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



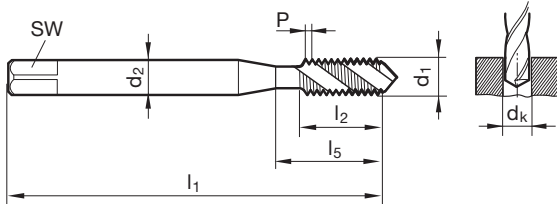
Catalog no. 73146

Intensiv N	DIN 371	C	HSS-E	bright	(R)	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	4.500	13.500
M 2.2	0.450	2.800	2.100	1.75	45.000	5.000	14.500
M 2.5	0.450	2.800	2.100	2.05	50.000	5.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 3.5	0.600	4.000	3.000	2.90	56.000	7.000	20.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



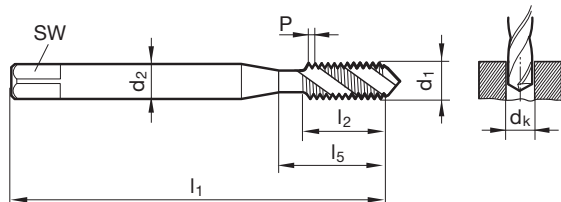
Catalog no. 73221

Intensiv N	DIN 371	C	HSS-E	bright	(R)	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 15° right-hand helix
- chip evacuation in shank direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	4.500	13.500
M 2.2	0.450	2.800	2.100	1.75	45.000	5.000	14.500
M 2.5	0.450	2.800	2.100	2.05	50.000	5.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 3.5	0.600	4.000	3.000	2.90	56.000	7.000	20.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



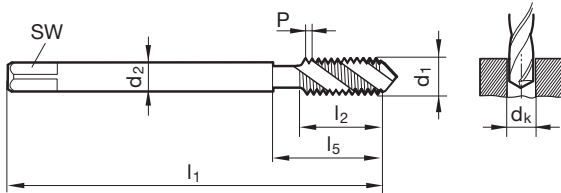
Catalog no. 63148

Intensiv N	DIN 376	C	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000

Machine taps

Machine taps for ISO metric threads



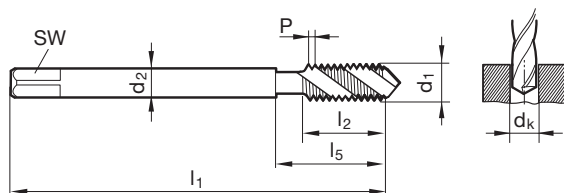
Catalog no. 73148

Intensiv N	DIN 376	C	HSS-E	bright	(R)	ISO2/6H
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P	M	K	N	S	H
•			○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	2.200		2.50	56.000	6.000	18.000
M 4	0.700	2.800	2.100	3.30	63.000	7.500	21.000
M 5	0.800	3.500	2.700	4.20	70.000	8.500	25.000
M 6	1.000	4.500	3.400	5.00	80.000	11.000	30.000
M 8	1.250	6.000	4.900	6.80	90.000	14.000	35.000
M10	1.500	7.000	5.500	8.50	100.000	16.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M14	2.000	11.000	9.000	12.00	110.000	20.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	25.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000
M22	2.500	18.000	14.500	19.50	140.000	27.000	62.000
M24	3.000	18.000	14.500	21.00	160.000	30.000	73.000
M27	3.000	20.000	16.000	24.00	160.000	30.000	73.000
M30	3.500	22.000	18.000	26.50	180.000	35.000	85.000

Machine taps

Machine taps for ISO metric threads



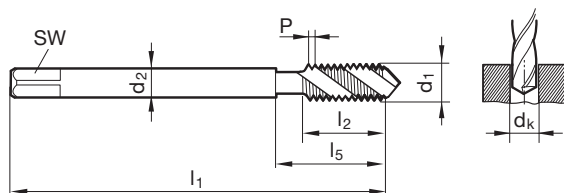
Catalog no. 73227

Intensiv N	DIN 376	C	HSS-E	bright	(R)	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 15° right-hand helix
- chip evacuation in shank direction
- general application
- steel to 800 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	2.200		2.50	56.000	6.000	18.000
M 4	0.700	2.800	2.100	3.30	63.000	7.500	21.000
M 5	0.800	3.500	2.700	4.20	70.000	8.500	25.000
M 6	1.000	4.500	3.400	5.00	80.000	11.000	30.000
M 8	1.250	6.000	4.900	6.80	90.000	14.000	35.000
M10	1.500	7.000	5.500	8.50	100.000	16.000	39.000
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	25.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000

Machine taps

Machine taps for ISO metric threads



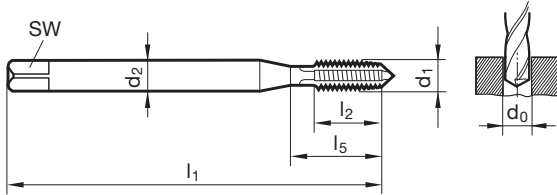
Catalog no. 53640

Produktiv H	DIN 371/376	B	HSS-E- PM	TiCN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



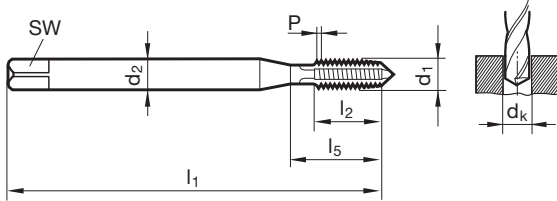
Catalog no. 53642

Produktiv H	DIN 371	B	HSS-E	TiCN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- special alloys, nickel based alloys
- tough materials up to 1400 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	8.000	13.500
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



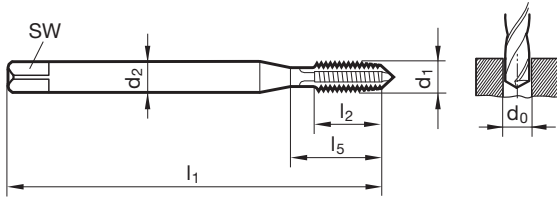
Catalog no. 63641

Produktiv H	DIN 371	B	HSS-E- PM	TiN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- special alloys, nickel based alloys
- tough materials up to 1400 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



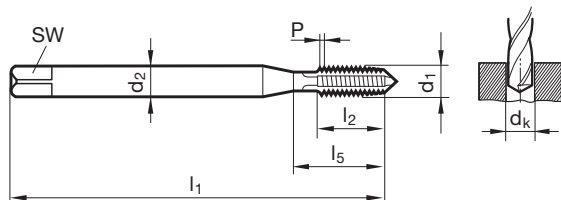
Catalog no. 73640

Produktiv H	DIN 371	B	HSS-E- PM	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



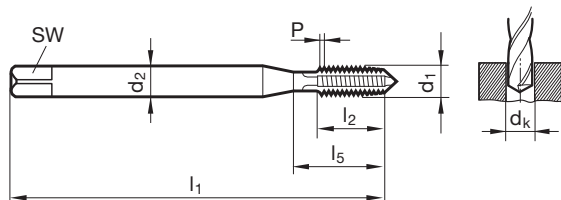
Catalog no. 73642

Produktiv H	DIN 371	B	HSS-E	ni- trided	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	8.000	13.500
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



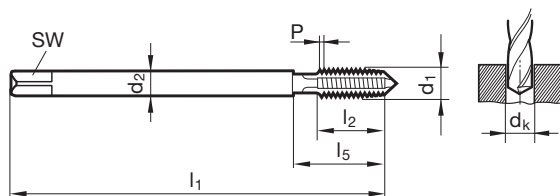
Catalog no. 63643

Produktiv H	DIN 376	B	HSS-E- PM	TiN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000

Machine taps

Machine taps for ISO metric threads



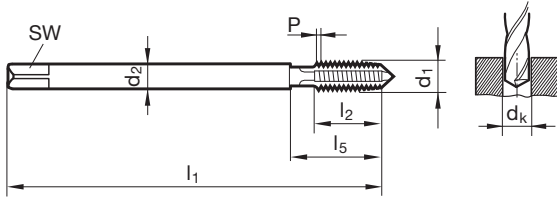
Catalog no. 73645

Produktiv H	DIN 376	B	HSS-E	ni- trided	R	ISO2/6H
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P	M	K	N	S	H
●		○			

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000

Machine taps

Machine taps for ISO metric threads



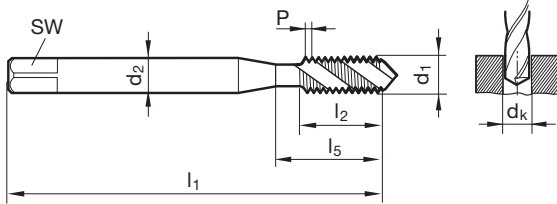
Catalog no. 53661

Intensiv H	DIN 371/376	C	HSS-E	TiCN	R	ISO2/6H
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P	M	K	N	S	H
●		○			

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	4.500	13.500
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



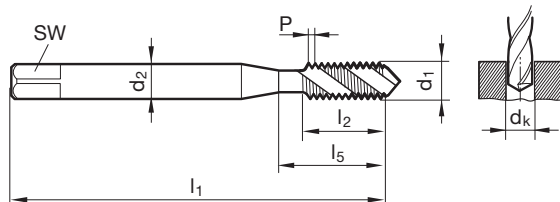
Catalog no. 63674

Intensiv H	DIN 371	C	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



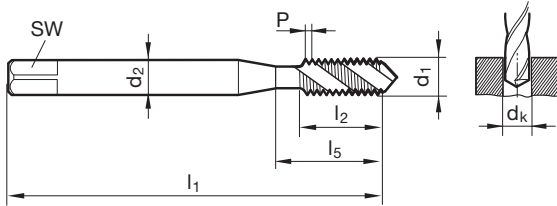
Catalog no. 73619

HR15	DIN 371	C	HSS-E-PM	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 15° right-hand helix
- chip evacuation in shank direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



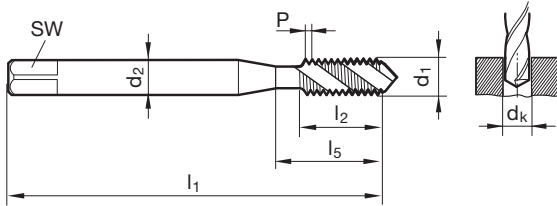
Catalog no. 73661

Intensiv H	DIN 371	C	HSS-E	bright	(R)	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



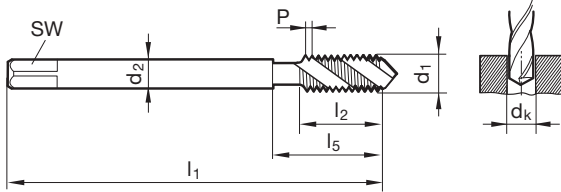
Catalog no. 63675

Intensiv H	DIN 376	C	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000

Machine taps

Machine taps for ISO metric threads



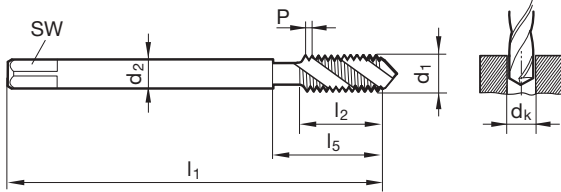
Catalog no. 73664

Intensiv H	DIN 376	C	HSS-E	bright	(R)	ISO2/6H
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P	M	K	N	S	H
●		○			

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M14	2.000	11.000	9.000	12.00	110.000	20.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000

Machine taps

Machine taps for ISO metric threads



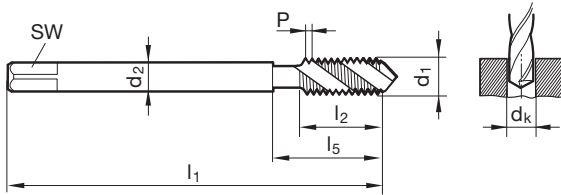
Catalog no. 73666

HR15	DIN 376	C	HSS-E-PM	bright	R	ISO2/6H
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P	M	K	N	S	H
●		○			

Application
recomm. p. 348

- for blind holes
- flutes with appr. 15° right-hand helix
- chip evacuation in shank direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000

Machine taps

Machine taps for ISO metric threads



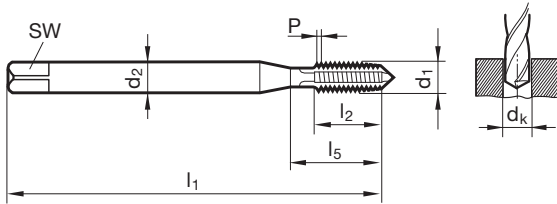
Catalog no. 63010

H	~DIN 371	D	VHM	TiCN		ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for thread depths up to 1xD
- hardened steels 54 to 62 HRC



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm
M 3	0.500	3.500	2.700	2.60	56.000	12.000
M 4	0.700	4.500	3.400	3.40	63.000	14.000
M 5	0.800	6.000	4.900	4.30	70.000	17.000
M 6	1.000	6.000	4.900	5.10	80.000	20.000
M 8	1.250	8.000	6.200	6.90	90.000	20.000
M10	1.500	10.000	8.000	8.60	100.000	24.000
M12	1.750	12.000	9.000	10.40	110.000	28.000

Machine taps

Machine taps for ISO metric threads



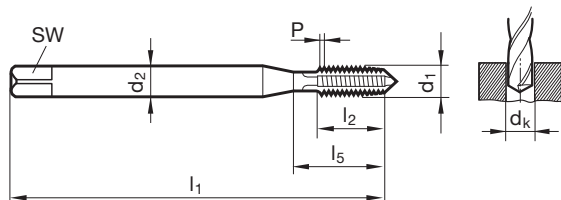
Catalog no. 53641

Produktiv HD	DIN 371	B	HSS-E- PM	TiCN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



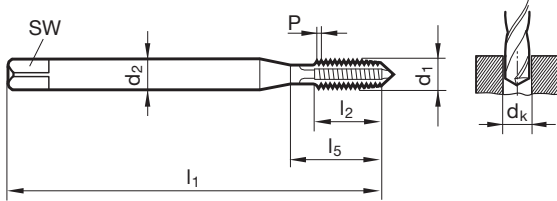
Catalog no. 63176

Produktiv HD	DIN 371	B	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
	•			○	

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



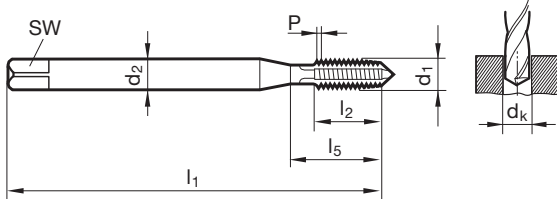
Catalog no. 73176

Produktiv HD	DIN 371	B	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
	•			○	

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



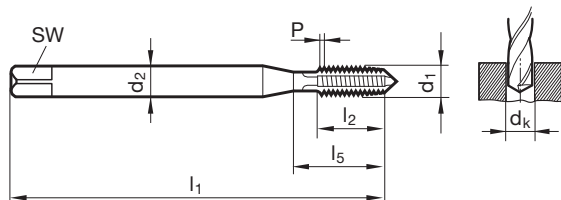
Catalog no. 73641

Produktiv HD	DIN 371	B	HSS-E- PM	bright	(R)	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



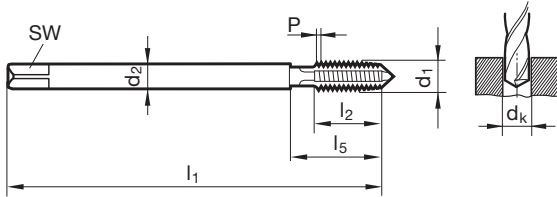
Catalog no. 53643

Produktiv HD	DIN 376	B	HSS-E- PM	TiCN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	12.00	110.000	26.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000

Machine taps

Machine taps for ISO metric threads



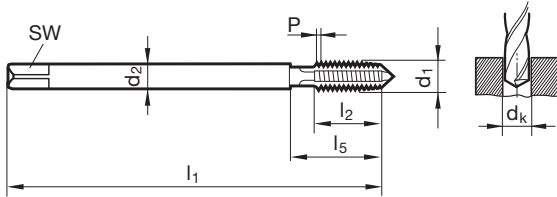
Catalog no. 63177

Produktiv HD	DIN 376	B	HSS-E	TiN	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000

Machine taps

Machine taps for ISO metric threads



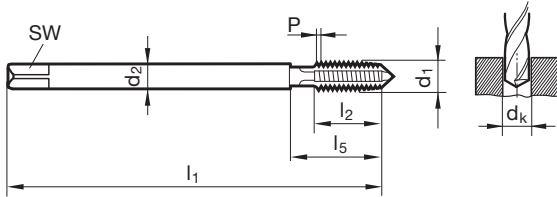
Catalog no. 73177

Produktiv HD	DIN 376	B	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
	•			○	

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	12.00	110.000	26.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000

Machine taps

Machine taps for ISO metric threads



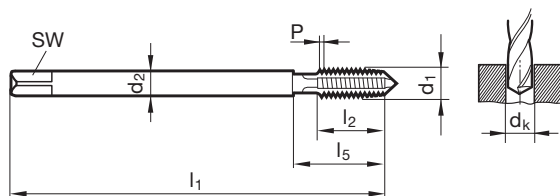
Catalog no. 73643

Produktiv HD	DIN 376	B	HSS-E- PM	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	12.00	110.000	26.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	30.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000
M22	2.500	18.000	14.500	19.50	140.000	32.000	62.000

Machine taps

Machine taps for ISO metric threads



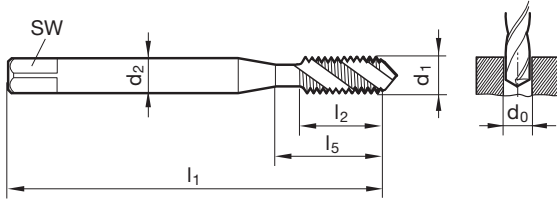
Catalog no. 53662

Intensiv HD	DIN 371	C	HSS-E- PM	TiCN		ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



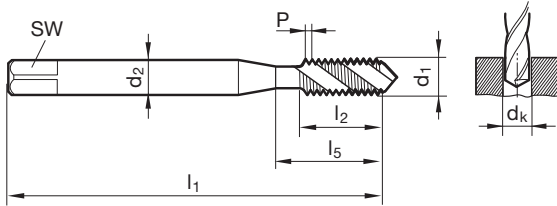
Catalog no. 63662

Intensiv HD	DIN 371	C	HSS-E- PM	TiN	R	ISO2/6H
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P	M	K	N	S	H
	•		○	○	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



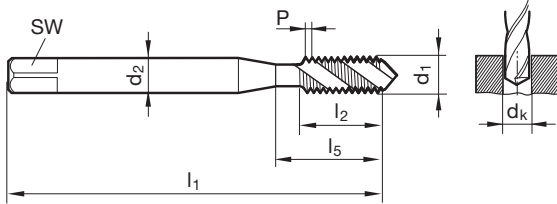
Catalog no. 73660

Intensiv HD	DIN 371	C	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



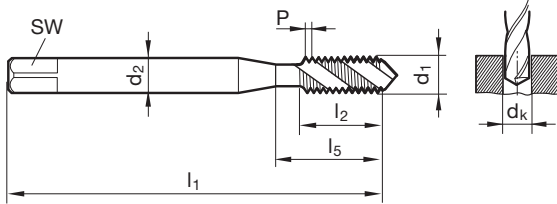
Catalog no. 73662



P	M	K	N	S	H
	•		○	○	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 3.5	0.600	4.000	3.000	2.90	56.000	7.000	20.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



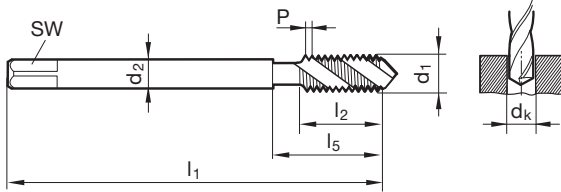
Catalog no. 53665

Intensiv HD	DIN 376	C	HSS-E- PM	TiCN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M14	2.000	11.000	9.000	12.00	110.000	20.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000

Machine taps

Machine taps for ISO metric threads



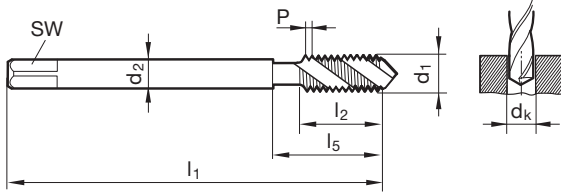
Catalog no. 63665

Intensiv HD	DIN 376	C	HSS-E- PM	TiN	R	ISO2/6H
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P	M	K	N	S	H
	•			•	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000

Machine taps

Machine taps for ISO metric threads



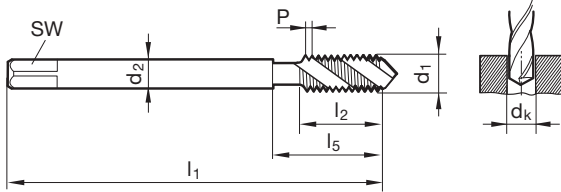
Catalog no. 73659

Intensiv HD	DIN 376	C	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M14	2.000	11.000	9.000	12.00	110.000	20.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000

Machine taps

Machine taps for ISO metric threads



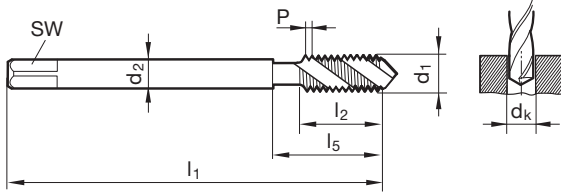
Catalog no. 73665

Intensiv HD	DIN 376	C	HSS-E- PM	bright	R	ISO2/6H
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P	M	K	N	S	H
	•		○	○	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M14	2.000	11.000	9.000	12.00	110.000	20.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	25.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000
M22	2.500	18.000	14.500	19.50	140.000	27.000	62.000
M24	3.000	18.000	14.500	21.00	160.000	30.000	73.000

Machine taps

Machine taps for ISO metric threads



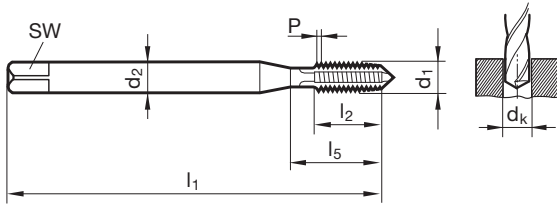
Catalog no. 63201

GG	DIN 371	C	HSS-E	Al-TiN	R	6HX
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P	M	K	N	S	H
		•	○		

Application
recomm. p. 348

- for through and blind holes
- cast materials such as grey cast iron, malleable cast iron, spheroidal graphite cast iron



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



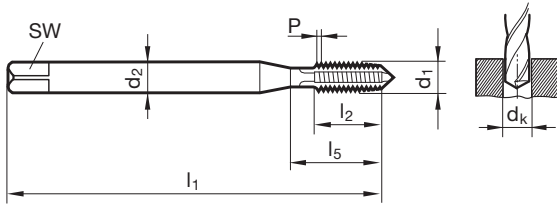
Catalog no. 73201

GG	DIN 371	C	HSS-E	ni-trided	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- cast materials such as grey cast iron, malleable cast iron, spheroidal graphite cast iron



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 3.5	0.600	4.000	3.000	2.90	56.000	12.000	20.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



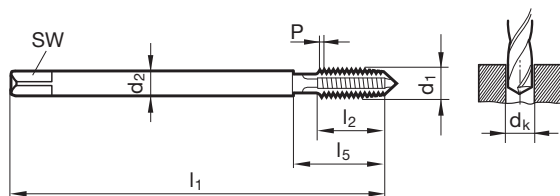
Catalog no. 73211

GG	DIN 376	C	HSS-E	ni-trided	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- cast materials such as grey cast iron, malleable cast iron, spheroidal graphite cast iron



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	12.00	110.000	26.000	53.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M18	2.500	14.000	11.000	15.50	125.000	30.000	62.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000

Machine taps

Machine taps for ISO metric threads



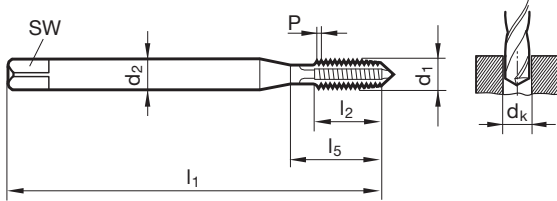
Catalog no. 73131

Produktiv W	DIN 371	B	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- soft, long-chipping materials such as aluminium, aluminium alloys, non-ferrous metals



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	8.000	13.500
M 2.3	0.400	2.800	2.100	1.90	45.000	9.000	14.500
M 2.5	0.450	2.800	2.100	2.05	50.000	9.000	14.500
M 2.6	0.450	2.800	2.100	2.15	50.000	9.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	10.000	18.000
M 3.5	0.600	4.000	3.000	2.90	56.000	12.000	20.000
M 4	0.700	4.500	3.400	3.30	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.20	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.00	80.000	16.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	17.000	35.000
M 10	1.500	10.000	8.000	8.50	100.000	20.000	39.000

Machine taps

Machine taps for ISO metric threads



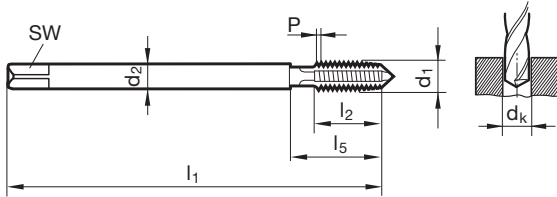
Catalog no. 73189

Produktiv W	DIN 376	B	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- soft, long-chipping materials such as aluminium, aluminium alloys, non-ferrous metals



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	24.000	49.000
M16	2.000	12.000	9.000	14.00	110.000	26.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	32.000	62.000

Machine taps

Machine taps for ISO metric threads



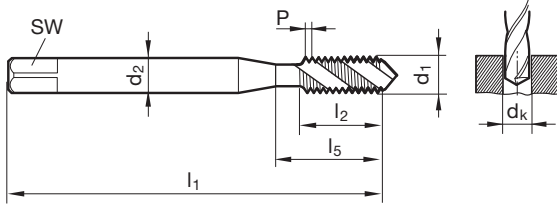
Catalog no. 73156

Intensiv W	DIN 371	C	HSS-E	bright	(R)	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 45° right-hand helix
- chip evacuation in shank direction
- soft, long-chipping materials such as aluminium, aluminium alloys, non-ferrous metals



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.60	45.000	4.500	13.500
M 2.3	0.400	2.800	2.100	1.90	45.000	4.500	14.500
M 2.5	0.450	2.800	2.100	2.05	50.000	5.000	14.500
M 3	0.500	3.500	2.700	2.50	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.30	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.20	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.00	80.000	11.000	30.000
M 8	1.250	8.000	6.200	6.80	90.000	14.000	35.000
M10	1.500	10.000	8.000	8.50	100.000	16.000	39.000

Machine taps

Machine taps for ISO metric threads



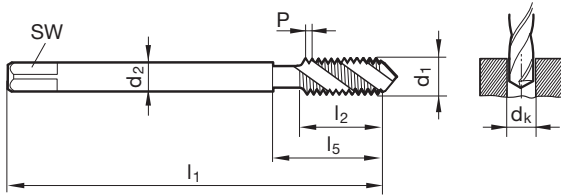
Catalog no. 73136

Intensiv W	DIN 376	C	HSS-E	bright	(R)	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 45° right-hand helix
- chip evacuation in shank direction
- soft, long-chipping materials such as aluminium, aluminium alloys, non-ferrous metals



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	10.20	110.000	18.500	49.000
M16	2.000	12.000	9.000	14.00	110.000	20.000	54.000
M20	2.500	16.000	12.000	17.50	140.000	25.000	62.000

Machine taps

Machine taps for ISO metric fine threads



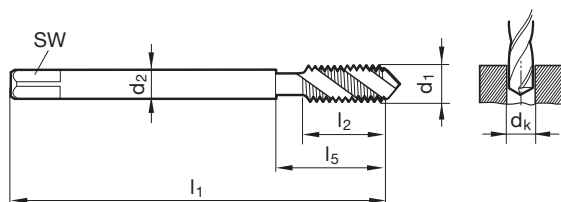
Catalog no. 53780



P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 45° right-hand helix
- chip evacuation in shank direction
- universal application
- steel from 600 to 1300 N/mm²
- acid resist./stainless steels
- non-ferrous metals
- cast materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
6.004	M 6 X0.75	4.500	3.400	5.20	80.000	8.000	30.000
8.004	M 8 X0.75	6.000	4.900	7.20	80.000	8.000	30.000
8.005	M 8 X1	6.000	4.900	7.00	90.000	11.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	11.000	35.000
10.006	M10 X1.25	7.000	5.500	8.80	100.000	14.000	39.000
12.005	M12 X1	9.000	7.000	11.00	100.000	11.000	40.000
12.006	M12 X1.25	9.000	7.000	10.80	100.000	16.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	16.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	15.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	15.000	44.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	16.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	16.000	44.000
24.007	M24 X1.5	18.000	14.500	22.50	140.000	16.000	48.000

Machine taps

Machine taps for ISO metric fine threads



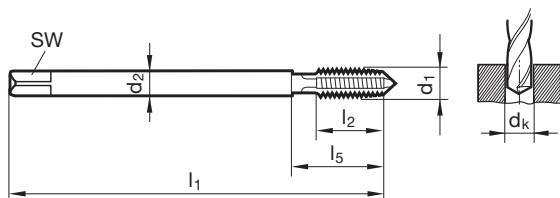
Catalog no. 53778

Produktiv N-X	DIN 374	B	HSS-E	Al- TiZrN	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel from 600 to 1300 N/mm²
- acid resist./stainless steels
- non-ferrous metals
- cast materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
6.004	M 6 X0.75	4.500	3.400	5.20	80.000	13.000	30.000
8.004	M 8 X0.75	6.000	4.900	7.20	80.000	14.000	30.000
8.005	M 8 X1	6.000	4.900	7.00	90.000	16.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	16.000	35.000
10.006	M10 X1.25	7.000	5.500	8.80	100.000	20.000	39.000
12.005	M12 X1	9.000	7.000	11.00	100.000	20.000	40.000
12.006	M12 X1.25	9.000	7.000	10.80	100.000	20.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	20.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	20.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	22.000	44.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	25.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	25.000	44.000
24.007	M24 X1.5	18.000	14.500	22.50	140.000	28.000	48.000

Machine taps

Machine taps for ISO metric fine threads



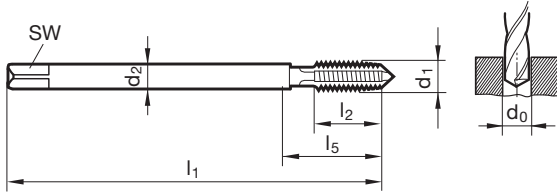
Catalog no. 53055

Produktiv Synchro	DIN 374	B	HSS-E- PM	TiCN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1200 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
8.005	M 8 X1	6.000	4.900	7.00	90.000	16.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	16.000	35.000
12.005	M12 X1	9.000	7.000	11.00	100.000	20.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	20.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	20.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	22.000	44.000

Machine taps

Machine taps for ISO metric fine threads



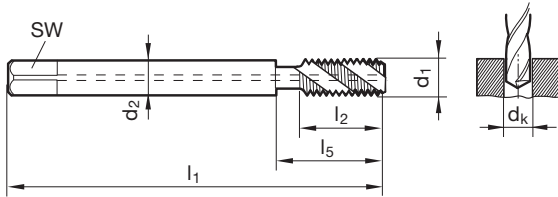
Catalog no. 53052



P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 50° right-hand helix
- shorter thread length, only suitable for synchro tapping
- chip evacuation in shank direction
- universal application
- steel materials up to 1200 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
8.005	M 8 X1	6.000	4.900	7.00	90.000	5.000	44.000
10.005	M10 X1	7.000	5.500	9.00	90.000	5.000	44.000
12.005	M12 X1	9.000	7.000	11.00	100.000	5.000	53.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	7.500	53.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	7.500	48.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	7.500	48.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	7.500	58.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	7.500	70.000

Machine taps

Machine taps for ISO metric fine threads



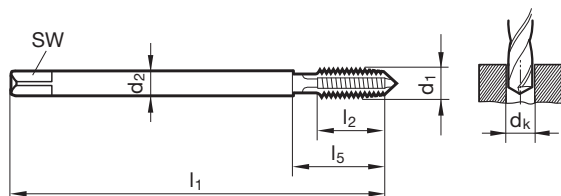
Catalog no. 73183

Produktiv N	DIN 374	B	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
6.004	M 6 X0.75	4.500	3.400	5.20	80.000	13.000	30.000
8.004	M 8 X0.75	6.000	4.900	7.20	80.000	14.000	30.000
8.005	M 8 X1	6.000	4.900	7.00	90.000	16.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	16.000	35.000
12.005	M12 X1	9.000	7.000	11.00	100.000	20.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	20.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	20.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	22.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	25.000	44.000

Machine taps

Machine taps for ISO metric fine threads



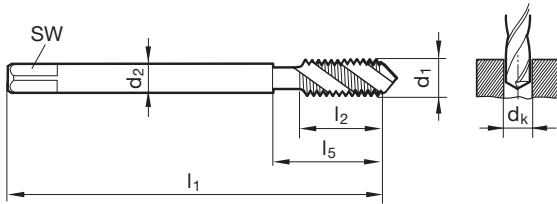
Catalog no. 73187

Intensiv N	DIN 374	C	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
6.004	M 6 X0.75	4.500	3.400	5.20	80.000	8.000	30.000
8.005	M 8 X1	6.000	4.900	7.00	90.000	11.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	11.000	35.000
10.006	M10 X1.25	7.000	5.500	8.80	100.000	14.000	39.000
12.005	M12 X1	9.000	7.000	11.00	100.000	11.000	40.000
12.006	M12 X1.25	9.000	7.000	10.80	100.000	16.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	16.000	40.000
14.005	M14 X1	11.000	9.000	13.00	100.000	11.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	15.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	15.000	44.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	16.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	16.000	44.000

Machine taps

Machine taps for ISO metric fine threads



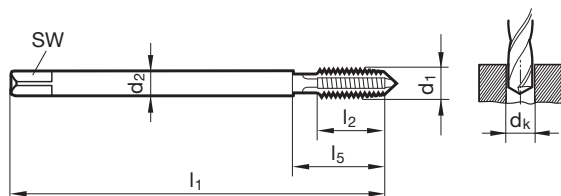
Catalog no. 73237

N	DIN 374	C	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- steel to 800 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
8.004	M 8 X0.75	6.000	4.900	7.20	80.000	14.000	30.000
10.005	M10 X1	7.000	5.500	9.00	90.000	16.000	35.000
10.006	M10 X1.25	7.000	5.500	8.80	100.000	20.000	39.000
12.006	M12 X1.25	9.000	7.000	10.80	100.000	16.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	16.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	15.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	16.000	44.000
22.007	M22 X1.5	18.000	14.500	20.50	125.000	16.000	44.000
24.007	M24 X1.5	18.000	14.500	22.50	140.000	16.000	48.000

Machine taps

Machine taps for ISO metric fine threads



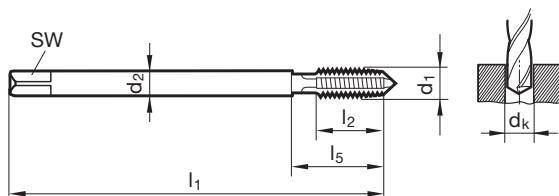
Catalog no. 73250

Produktiv N	DIN 374	B	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- general application
- steel to 800 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
4.003	M 4 X0.5	2.800	2.100	3.50	63.000	8.000	21.000
5.003	M 5 X0.5	3.500	2.700	4.50	70.000	10.000	25.000
6.003	M 6 X0.5	4.500	3.400	5.50	80.000	13.000	30.000
6.004	M 6 X0.75	4.500	3.400	5.20	80.000	13.000	30.000
8.004	M 8 X0.75	6.000	4.900	7.20	80.000	14.000	30.000
8.005	M 8 X1	6.000	4.900	7.00	90.000	16.000	35.000
9.005	M 9 X1	7.000	5.500	8.00	90.000	16.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	16.000	35.000
10.006	M10 X1.25	7.000	5.500	8.80	100.000	20.000	39.000
12.005	M12 X1	9.000	7.000	11.00	100.000	20.000	40.000
12.006	M12 X1.25	9.000	7.000	10.80	100.000	20.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	20.000	40.000
14.005	M14 X1	11.000	9.000	13.00	100.000	20.000	40.000
14.006	M14 X1.25	11.000	9.000	12.80	100.000	20.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	20.000	40.000
16.005	M16 X1	12.000	9.000	15.00	100.000	22.000	44.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	22.000	44.000
18.005	M18 X1	14.000	11.000	17.00	110.000	25.000	44.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	25.000	44.000
20.005	M20 X1	16.000	12.000	19.00	125.000	25.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	25.000	44.000
20.008	M20 X2	16.000	12.000	18.00	140.000	32.000	60.000
22.005	M22 X1	18.000	14.500	21.00	125.000	25.000	44.000
22.007	M22 X1.5	18.000	14.500	20.50	125.000	25.000	44.000
24.007	M24 X1.5	18.000	14.500	22.50	140.000	28.000	48.000
24.008	M24 X2	18.000	14.500	22.00	140.000	28.000	48.000
27.007	M27 X1.5	20.000	16.000	25.50	140.000	28.000	53.000
30.007	M30 X1.5	22.000	18.000	28.50	150.000	28.000	53.000
30.008	M30 X2	22.000	18.000	28.00	150.000	28.000	53.000
36.007	M36 X1.5	28.000	22.000	34.50	170.000	30.000	56.000

Machine taps

Machine taps for ISO metric fine threads



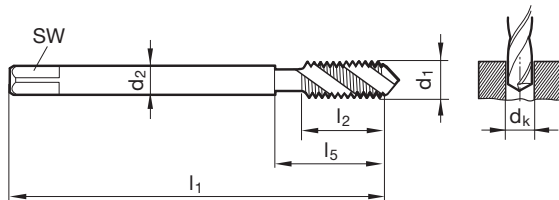
Catalog no. 73173



P	M	K	N	S	H
•			○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
3.002	M 3 X0.35	2.200		2.65	56.000	4.000	18.000
4.003	M 4 X0.5	2.800	2.100	3.50	63.000	5.000	21.000
5.003	M 5 X0.5	3.500	2.700	4.50	70.000	5.000	25.000
6.003	M 6 X0.5	4.500	3.400	5.50	80.000	5.000	30.000
6.004	M 6 X0.75	4.500	3.400	5.20	80.000	8.000	30.000
8.004	M 8 X0.75	6.000	4.900	7.20	80.000	8.000	30.000
8.005	M 8 X1	6.000	4.900	7.00	90.000	11.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	11.000	35.000
10.006	M10 X1.25	7.000	5.500	8.80	100.000	14.000	39.000
11.005	M11 X1	8.000	6.200	10.00	90.000	11.000	33.000
12.005	M12 X1	9.000	7.000	11.00	100.000	11.000	40.000
12.006	M12 X1.25	9.000	7.000	10.80	100.000	16.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	16.000	40.000
14.005	M14 X1	11.000	9.000	13.00	100.000	11.000	40.000
14.006	M14 X1.25	11.000	9.000	12.80	100.000	15.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	15.000	40.000
16.005	M16 X1	12.000	9.000	15.00	100.000	11.000	44.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	15.000	44.000
18.005	M18 X1	14.000	11.000	17.00	110.000	12.000	44.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	16.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	16.000	44.000
22.007	M22 X1.5	18.000	14.500	20.50	125.000	16.000	44.000
24.007	M24 X1.5	18.000	14.500	22.50	140.000	16.000	48.000
24.008	M24 X2	18.000	14.500	22.00	140.000	22.000	48.000
26.007	M26 X1.5	18.000	14.500	24.50	140.000	20.000	50.000
30.007	M30 X1.5	22.000	18.000	28.50	150.000	20.000	53.000
30.008	M30 X2	22.000	18.000	28.00	150.000	20.000	53.000

Machine taps

Machine taps for ISO metric fine threads



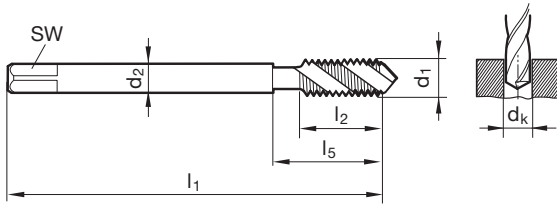
Catalog no. 63173

Intensiv N	DIN 374	C	HSS-E	TiN	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- general application
- steel to 800 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
8.005	M 8 X1	6.000	4.900	7.00	90.000	11.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	11.000	35.000
10.006	M10 X1.25	7.000	5.500	8.80	100.000	14.000	39.000
12.005	M12 X1	9.000	7.000	11.00	100.000	11.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	16.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	15.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	15.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	16.000	44.000

Machine taps

Machine taps for ISO metric fine threads



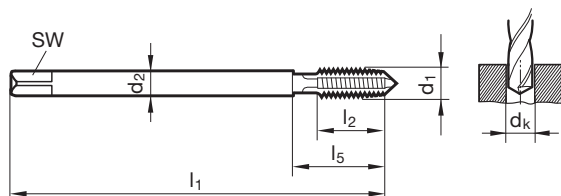
Catalog no. 73646

Produktiv H	DIN 374	B	HSS-E	ni- trided	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- high tensile steels
- steel from 1100 to 1600 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
3.002	M 3 X0.35	2.200		2.65	56.000	7.000	18.000
4.003	M 4 X0.5	2.800	2.100	3.50	63.000	8.000	21.000
5.003	M 5 X0.5	3.500	2.700	4.50	70.000	10.000	25.000
6.004	M 6 X0.75	4.500	3.400	5.20	80.000	13.000	30.000
8.004	M 8 X0.75	6.000	4.900	7.20	80.000	14.000	30.000
8.005	M 8 X1	6.000	4.900	7.00	90.000	16.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	16.000	35.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	20.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	20.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	22.000	44.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	25.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	25.000	44.000
22.007	M22 X1.5	18.000	14.500	20.50	125.000	25.000	44.000

Machine taps

Machine taps for ISO metric fine threads



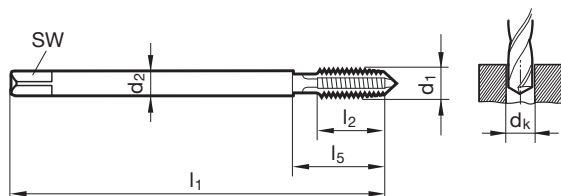
Catalog no. 73178

Produktiv HD	DIN 374	B	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
5.003	M 5 X0.5	3.500	2.700	4.50	70.000	10.000	25.000
6.004	M 6 X0.75	4.500	3.400	5.20	80.000	13.000	30.000
8.005	M 8 X1	6.000	4.900	7.00	90.000	16.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	16.000	35.000
12.005	M12 X1	9.000	7.000	11.00	100.000	20.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	20.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	20.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	22.000	44.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	25.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	25.000	44.000

Machine taps

Machine taps for ISO metric fine threads



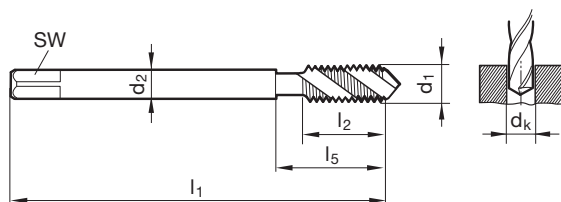
Catalog no. 73180

Intensiv HD	DIN 374	C	HSS-E	steam tempered	R	ISO2/6H
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
8.005	M 8 X1	6.000	4.900	7.00	90.000	11.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	11.000	35.000
12.005	M12 X1	9.000	7.000	11.00	100.000	11.000	40.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	16.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	15.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	15.000	44.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	16.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	16.000	44.000

Machine taps

Machine taps for ISO metric fine threads



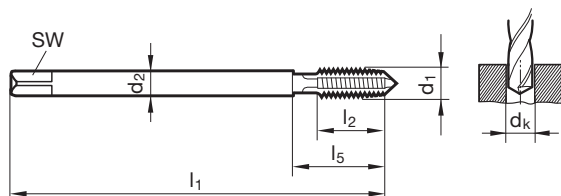
Catalog no. 73194

GG	DIN 374	C	HSS-E	ni-trided	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- cast materials such as grey cast iron, malleable cast iron, spheroidal graphite cast iron



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
8.005	M 8 X1	6.000	4.900	7.00	90.000	16.000	35.000
10.005	M10 X1	7.000	5.500	9.00	90.000	16.000	35.000
12.007	M12 X1.5	9.000	7.000	10.50	100.000	20.000	40.000
14.007	M14 X1.5	11.000	9.000	12.50	100.000	20.000	40.000
16.007	M16 X1.5	12.000	9.000	14.50	100.000	22.000	44.000
18.007	M18 X1.5	14.000	11.000	16.50	110.000	25.000	44.000
20.007	M20 X1.5	16.000	12.000	18.50	125.000	25.000	44.000

Machine taps

Machine taps for UNC-threads



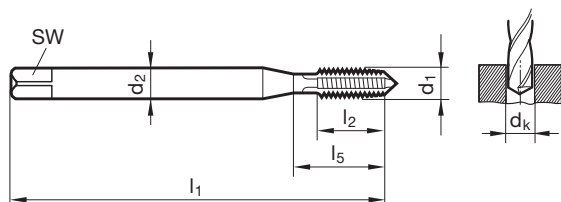
Catalog no. 73308

Produktiv N	~DIN 371	B	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
2.845	4 -40	3.500	2.700	2.35	56.000	11.000	18.000
3.505	6 -32	4.000	3.000	2.85	56.000	12.000	20.000
4.166	8 -32	4.500	3.400	3.50	63.000	12.000	21.000
4.826	10 -24	6.000	4.900	3.90	70.000	14.000	25.000
6.350	1/4 -20	7.000	5.500	5.10	80.000	16.000	30.000
7.938	5/16 -18	8.000	6.200	6.60	90.000	18.000	35.000
9.525	3/8 -16	10.000	8.000	8.00	100.000	20.000	39.000

Machine taps

Machine taps for UNC-threads



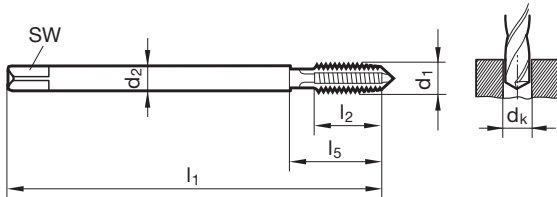
Catalog no. 73309

Produktiv N	~DIN 376	B	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
12.700	1/2 -13	9.000	7.000	10.80	110.000	25.000	49.000
15.875	5/8 -11	12.000	9.000	13.50	110.000	30.000	53.000
19.050	3/4 -10	14.000	11.000	16.50	125.000	33.000	62.000

Machine taps

Machine taps for UNC-threads



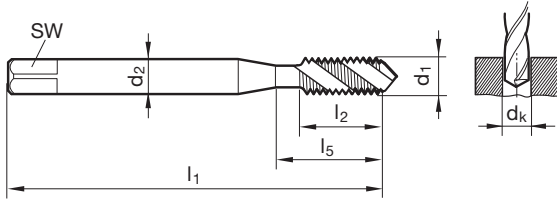
Catalog no. 73322

Intensiv N	~DIN 371	C	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
2.845	4 -40	3.500	2.700	2.35	56.000	7.000	18.000
3.505	6 -32	4.000	3.000	2.85	56.000	8.000	20.000
4.166	8 -32	4.500	3.400	3.50	63.000	8.000	21.000
4.826	10 -24	6.000	4.900	3.90	70.000	11.000	25.000
6.350	1/4 -20	7.000	5.500	5.10	80.000	13.000	30.000
7.938	5/16-18	8.000	6.200	6.60	90.000	14.000	35.000
9.525	3/8 -16	10.000	8.000	8.00	100.000	16.000	39.000

Machine taps

Machine taps for UNC-threads



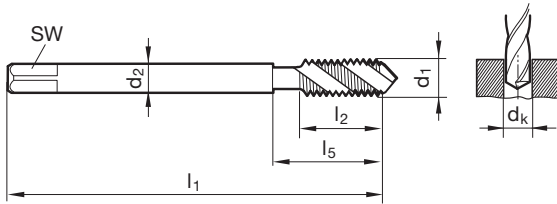
Catalog no. 73323

Intensiv N	~DIN 376	C	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
12.700	1/2 -13	9.000	7.000	10.80	110.000	20.000	49.000
15.875	5/8 -11	12.000	9.000	13.50	110.000	24.000	53.000
19.050	3/4 -10	14.000	11.000	16.50	125.000	25.000	62.000

Machine taps

Machine taps for UNC-threads



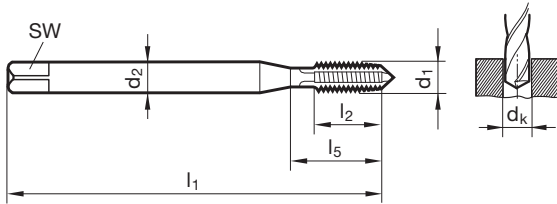
Catalog no. 73297

Produktiv HD	~DIN 371	B	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
2.845	4 -40	3.500	2.700	2.35	56.000	11.000	18.000
3.505	6 -32	4.000	3.000	2.85	56.000	12.000	20.000
4.166	8 -32	4.500	3.400	3.50	63.000	12.000	21.000
4.826	10 -24	6.000	4.900	3.90	70.000	14.000	25.000
6.350	1/4 -20	7.000	5.500	5.10	80.000	16.000	30.000
7.938	5/16 -18	8.000	6.200	6.60	90.000	18.000	35.000
9.525	3/8 -16	10.000	8.000	8.00	100.000	20.000	39.000

Machine taps

Machine taps for UNC-threads



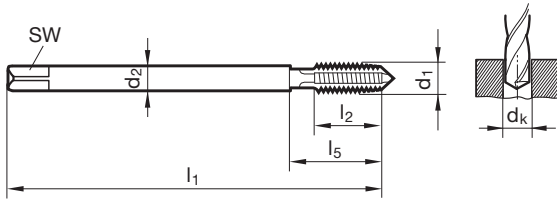
Catalog no. 73298

Produktiv HD	~DIN 376	B	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
12.700	1/2 -13	9.000	7.000	10.80	110.000	25.000	49.000
15.875	5/8 -11	12.000	9.000	13.50	110.000	30.000	53.000
19.050	3/4 -10	14.000	11.000	16.50	125.000	33.000	62.000
25.400	1 - 8	18.000	14.500	22.25	160.000	38.000	73.000

Machine taps

Machine taps for UNC-threads



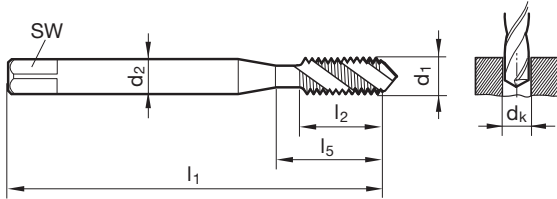
Catalog no. 73304

Intensiv HD	~DIN 371	C	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
2.845	4 -40	3.500	2.700	2.35	56.000	7.000	18.000
3.505	6 -32	4.000	3.000	2.85	56.000	8.000	20.000
4.166	8 -32	4.500	3.400	3.50	63.000	8.000	21.000
4.826	10 -24	6.000	4.900	3.90	70.000	11.000	25.000
6.350	1/4 -20	7.000	5.500	5.10	80.000	13.000	30.000
7.938	5/16-18	8.000	6.200	6.60	90.000	14.000	35.000
9.525	3/8 -16	10.000	8.000	8.00	100.000	16.000	39.000

Machine taps

Machine taps for UNC-threads



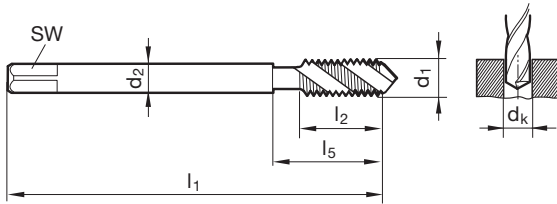
Catalog no. 73305

Intensiv HD	~DIN 376	C	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
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Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
12.700	1/2 -13	9.000	7.000	10.80	110.000	20.000	49.000
15.875	5/8 -11	12.000	9.000	13.50	110.000	24.000	53.000
19.050	3/4 -10	14.000	11.000	16.50	125.000	25.000	62.000

Machine taps

Machine taps for UNC-threads



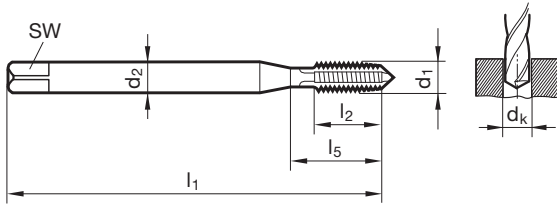
Catalog no. 73326

GG	~DIN 371	C	HSS-E	ni- trided	R	2B
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- cast materials such as grey cast iron, malleable cast iron, spheroidal graphite cast iron



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
4.166	8 -32	4.500	3.400	3.50	63.000	12.000	21.000
4.826	10 -24	6.000	4.900	3.90	70.000	14.000	25.000
6.350	1/4 -20	7.000	5.500	5.10	80.000	16.000	30.000
7.938	5/16-18	8.000	6.200	6.60	90.000	18.000	35.000
9.525	3/8 -16	10.000	8.000	8.00	100.000	20.000	39.000

Machine taps

Machine taps for UNC-threads



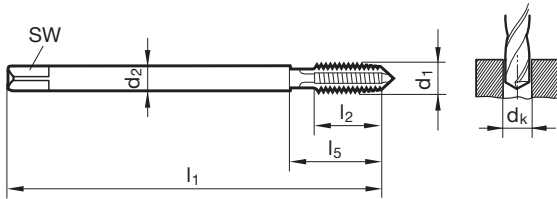
Catalog no. 73327

GG	~DIN 376	C	HSS-E	ni- trided	R	2B
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P	M	K	N	S	H
		•			

Application
recomm. p. 348

- for through and blind holes
- cast materials such as grey cast iron, malleable cast iron, spheroidal graphite cast iron



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
12.700	1/2 -13	9.000	7.000	10.80	110.000	25.000	49.000
15.875	5/8 -11	12.000	9.000	13.50	110.000	30.000	53.000
19.050	3/4 -10	14.000	11.000	16.50	125.000	33.000	62.000
25.400	1 - 8	18.000	14.500	22.25	160.000	38.000	73.000

Machine taps

Machine taps for UNF-threads



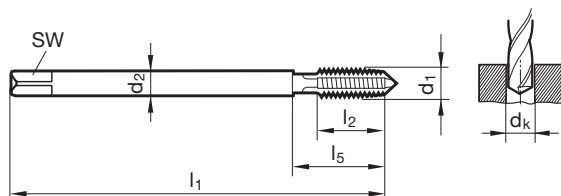
Catalog no. 73310

Produktiv N	~DIN 374	B	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
4.826	10 -32	3.500	2.700	4.10	70.000	14.000	25.000
6.350	1/4 -28	4.500	3.400	5.50	80.000	16.000	30.000
9.525	3/8 -24	7.000	5.500	8.50	90.000	18.000	35.000
15.875	5/8 -18	12.000	9.000	14.50	100.000	22.000	44.000

Machine taps

Machine taps for UNF-threads



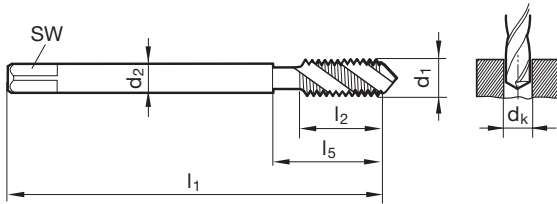
Catalog no. 73324

Intensiv N	~DIN 374	C	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
4.826	10 -32	3.500	2.700	4.10	70.000	8.500	25.000
6.350	1/4 -28	4.500	3.400	5.50	80.000	9.000	30.000
7.938	5/16-24	6.000	4.900	6.90	90.000	11.000	35.000
9.525	3/8 -24	7.000	5.500	8.50	90.000	11.000	35.000
11.113	7/16-20	8.000	6.200	9.90	100.000	13.000	42.000
12.700	1/2 -20	9.000	7.000	11.50	100.000	13.000	40.000
15.875	5/8 -18	12.000	9.000	14.50	100.000	15.000	44.000

Machine taps

Machine taps for UNF-threads



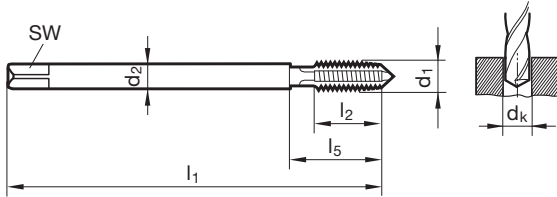
Catalog no. 73299

Produktiv HD	~DIN 374	B	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
	•			○	

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
4.826	10 -32	3.500	2.700	4.10	70.000	14.000	25.000
6.350	1/4 -28	4.500	3.400	5.50	80.000	16.000	30.000
9.525	3/8 -24	7.000	5.500	8.50	90.000	18.000	35.000
15.875	5/8 -18	12.000	9.000	14.50	100.000	22.000	44.000

Machine taps

Machine taps for UNF-threads



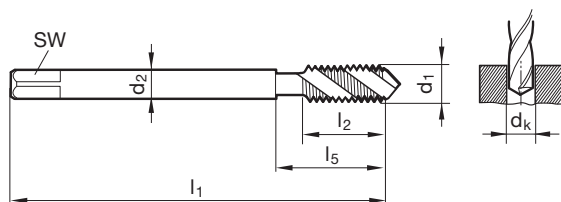
Catalog no. 73306

Intensiv HD	~DIN 374	C	HSS-E	steam tempered	R	2B
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P	M	K	N	S	H
	•			○	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
4.826	10 -32	3.500	2.700	4.10	70.000	8.500	25.000
6.350	1/4 -28	4.500	3.400	5.50	80.000	9.000	30.000
7.938	5/16-24	6.000	4.900	6.90	90.000	11.000	35.000
9.525	3/8 -24	7.000	5.500	8.50	90.000	11.000	35.000
11.113	7/16-20	8.000	6.200	9.90	100.000	13.000	42.000
12.700	1/2 -20	9.000	7.000	11.50	100.000	13.000	40.000
15.875	5/8 -18	12.000	9.000	14.50	100.000	15.000	44.000
19.050	3/4 -16	14.000	11.000	17.50	110.000	16.000	44.000

Machine taps

Machine taps for NPT-threads



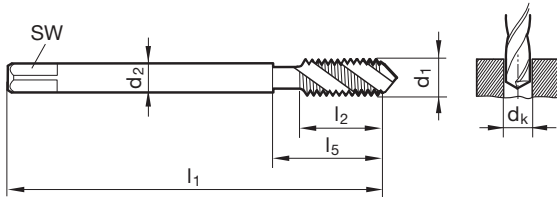
Catalog no. 73293



P	M	K	N	S	H
○	●	○		○	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 25° right-hand helix
- for thread depth up to 2xD
- chip evacuation in shank direction



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
10.620	1/8	27.000	11.000	9.000	8.50	90.000	15.000	29.000
14.140	1/4	18.000	14.000	11.000	11.20	100.000	21.000	40.000
17.570	3/8	18.000	16.000	12.000	14.40	110.000	21.000	35.000
21.900	1/2	14.000	18.000	14.500	18.00	125.000	27.000	44.000
27.230	3/4	14.000	22.000	18.000	23.40	140.000	27.000	52.000

Machine taps

Machine taps for BSP-threads



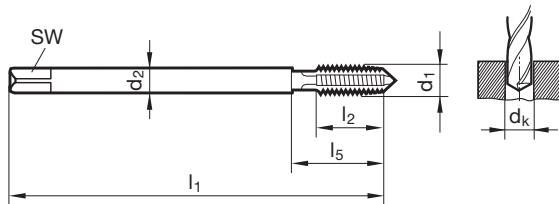
Catalog no. 73321

Produktiv N	DIN 5156	B	HSS-E	steam tempered	R
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P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
9.728	G 1/8	28.000	7.000	5.500	8.80	90.000	18.000	35.000
13.157	G 1/4	19.000	11.000	9.000	11.80	100.000	20.000	40.000
16.662	G 3/8	19.000	12.000	9.000	15.25	100.000	22.000	44.000
20.955	G 1/2	14.000	16.000	12.000	19.00	125.000	25.000	44.000
26.441	G 3/4	14.000	20.000	16.000	24.50	140.000	28.000	53.000
33.249	G1	11.000	25.000	20.000	30.75	160.000	30.000	56.000

Machine taps

Machine taps for BSP-threads



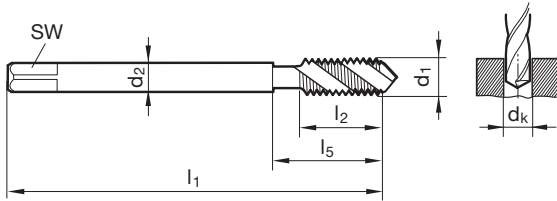
Catalog no. 73325



P	M	K	N	S	H
●	○	○	○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
9.728	G 1/8	28.000	7.000	5.500	8.80	90.000	11.000	35.000
13.157	G 1/4	19.000	11.000	9.000	11.80	100.000	14.000	40.000
16.662	G 3/8	19.000	12.000	9.000	15.25	100.000	14.000	44.000
20.955	G 1/2	14.000	16.000	12.000	19.00	125.000	18.000	44.000
26.441	G 3/4	14.000	20.000	16.000	24.50	140.000	20.000	53.000
33.249	G1	11.000	25.000	20.000	30.75	160.000	24.000	56.000

Machine taps

Machine taps for BSP-threads



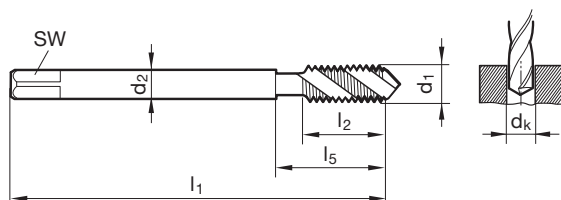
Catalog no. 53788



P	M	K	N	S	H
•	•	•	○	○	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 45° right-hand helix
- chip evacuation in shank direction
- universal application
- steel from 600 to 1300 N/mm²
- acid resist./stainless steels
- non-ferrous metals
- cast materials



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
7.723	G 1/16	28.000	6.000	4.900	6.80	90.000	11.000	30.000
9.728	G 1/8	28.000	7.000	5.500	8.80	90.000	11.000	35.000
13.157	G 1/4	19.000	11.000	9.000	11.80	100.000	14.000	40.000
16.662	G 3/8	19.000	12.000	9.000	15.25	100.000	14.000	44.000
20.955	G 1/2	14.000	16.000	12.000	19.00	125.000	18.000	44.000
22.911	G 5/8	14.000	18.000	14.500	21.00	125.000	18.000	48.000
26.441	G 3/4	14.000	20.000	16.000	24.50	140.000	20.000	53.000
30.201	G 7/8	14.000	22.000	18.000	28.25	150.000	22.000	53.000
33.249	G1	11.000	25.000	20.000	30.75	160.000	24.000	56.000

Machine taps

Machine taps for BSP-threads



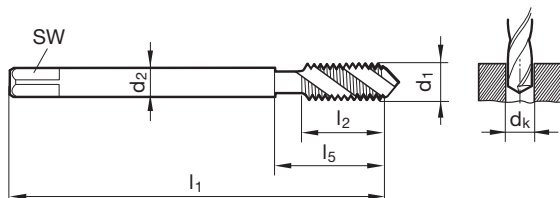
Catalog no. 73286



P	M	K	N	S	H
•			○		

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- general application
- steel to 800 N/mm²



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
9.728	G 1/8	28.000	7.000	5.500	8.80	90.000	11.000	35.000
13.157	G 1/4	19.000	11.000	9.000	11.80	100.000	14.000	40.000
16.662	G 3/8	19.000	12.000	9.000	15.25	100.000	14.000	44.000
20.955	G 1/2	14.000	16.000	12.000	19.00	125.000	18.000	44.000
26.441	G 3/4	14.000	20.000	16.000	24.50	140.000	20.000	53.000
33.249	G1	11.000	25.000	20.000	30.75	160.000	24.000	56.000
41.910	G1 1/4	11.000	32.000	24.000	39.50	170.000	25.000	57.000
47.803	G1 1/2	11.000	36.000	29.000	45.25	190.000	27.000	60.000

Machine taps

Machine taps for BSP-threads



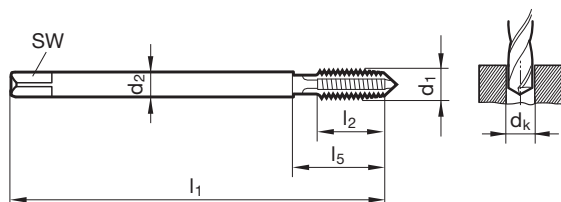
Catalog no. 73300



P	M	K	N	S	H
	•			○	

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
9.728	G 1/8	28.000	7.000	5.500	8.80	90.000	18.000	35.000
13.157	G 1/4	19.000	11.000	9.000	11.80	100.000	20.000	40.000
16.662	G 3/8	19.000	12.000	9.000	15.25	100.000	22.000	44.000
20.955	G 1/2	14.000	16.000	12.000	19.00	125.000	25.000	44.000
26.441	G 3/4	14.000	20.000	16.000	24.50	140.000	28.000	53.000
33.249	G1	11.000	25.000	20.000	30.75	160.000	30.000	56.000

Machine taps

Machine taps for BSP-threads



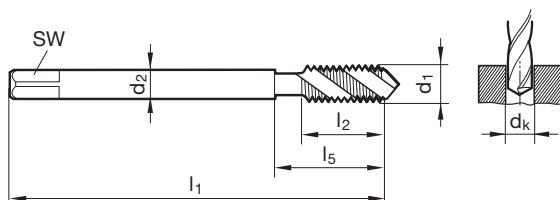
Catalog no. 73288



P	M	K	N	S	H
	•			○	

Application
recomm. p. 348

- for blind holes
- flutes with appr. 40° right-hand helix
- chip evacuation in shank direction
- acid resist./stainless steels
- tough, long-chipping materials



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
9.728	G 1/8	28.000	7.000	5.500	8.80	90.000	11.000	35.000
13.157	G 1/4	19.000	11.000	9.000	11.80	100.000	14.000	40.000
16.662	G 3/8	19.000	12.000	9.000	15.25	100.000	14.000	44.000
20.955	G 1/2	14.000	16.000	12.000	19.00	125.000	18.000	44.000
26.441	G 3/4	14.000	20.000	16.000	24.50	140.000	20.000	53.000
33.249	G1	11.000	25.000	20.000	30.75	160.000	24.000	56.000

Machine taps

Machine taps for BSP-threads



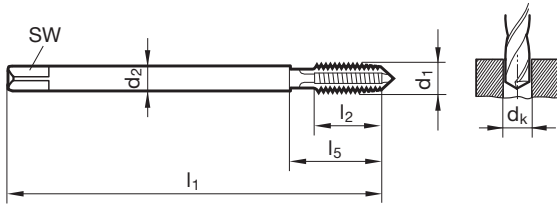
Catalog no. 73345

GG	DIN 5156	C	HSS-E	ni-trided	R
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P	M	K	N	S	H
		•			

Application
recomm. p. 348

- for through and blind holes
- cast materials such as grey cast iron, malleable cast iron, spheroidal graphite cast iron



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
9.728	G 1/8	28.000	7.000	5.500	8.80	90.000	18.000	35.000
13.157	G 1/4	19.000	11.000	9.000	11.80	100.000	20.000	40.000
16.662	G 3/8	19.000	12.000	9.000	15.25	100.000	22.000	44.000
20.955	G 1/2	14.000	16.000	12.000	19.00	125.000	25.000	44.000
26.441	G 3/4	14.000	20.000	16.000	24.50	140.000	28.000	53.000
33.249	G1	11.000	25.000	20.000	30.75	160.000	30.000	56.000

Machine taps

Machine taps for BSP-threads



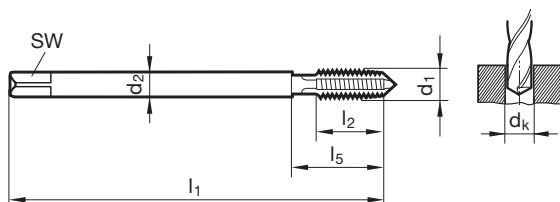
Catalog no. 53787



P	M	K	N	S	H
●	●	●	○	○	

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel from 600 to 1300 N/mm²
- acid resist./stainless steels
- non-ferrous metals
- cast materials



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
7.723	G 1/16	28.000	6.000	4.900	6.80	90.000	18.000	30.000
9.728	G 1/8	28.000	7.000	5.500	8.80	90.000	18.000	35.000
13.157	G 1/4	19.000	11.000	9.000	11.80	100.000	20.000	40.000
16.662	G 3/8	19.000	12.000	9.000	15.25	100.000	22.000	44.000
20.955	G 1/2	14.000	16.000	12.000	19.00	125.000	25.000	44.000
22.911	G 5/8	14.000	18.000	14.500	21.00	125.000	25.000	48.000
26.441	G 3/4	14.000	20.000	16.000	24.50	140.000	28.000	53.000
30.201	G 7/8	14.000	22.000	18.000	28.25	150.000	28.000	53.000
33.249	G1	11.000	25.000	20.000	30.75	160.000	30.000	56.000

Machine taps

Machine taps for PG-threads for electr. conduits



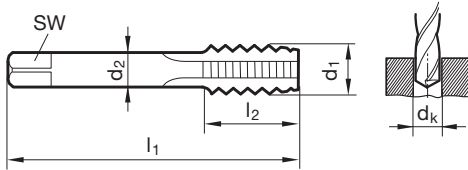
Catalog no. 73296

N	DIN 40432	B	HSS-E	bright	R
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P	M	K	N	S	H
●		○	○		

Application
recomm. p. 348

- for through holes
- with spiral point
- chip evacuation in feed direction
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm
12.500	PG 7	20.000	9.000	7.000	11.40	70.000	22.000
15.200	PG 9	18.000	12.000	9.000	14.00	70.000	22.000
18.600	PG 11	18.000	14.000	11.000	17.30	80.000	22.000
20.400	PG 13,5	18.000	16.000	12.000	19.00	80.000	22.000
22.500	PG 16	18.000	18.000	14.500	21.30	80.000	22.000

Machine taps

Short hand taps for NPT-threads



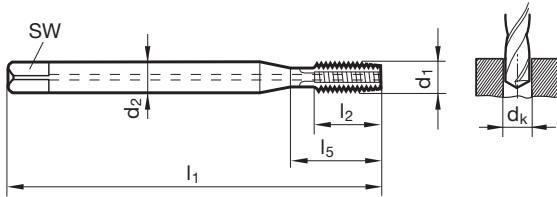
Catalog no. 73295



P	M	K	N	S	H
●		○	○		

Application
recomm. p. 348

- for through and blind holes
- for thread depths up to 1xD
- universal application
- steel materials up to 1100 N/mm²



Code no.	d1	P G/inch	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
8.190	1/16	27.000	6.000	4.900	6.15	56.000	14.000	27.000
10.620	1/8	27.000	7.000	5.500	8.40	63.000	15.000	29.000
14.140	1/4	18.000	11.000	9.000	11.10	63.000	21.000	33.000
17.570	3/8	18.000	12.000	9.000	14.30	70.000	21.000	35.000
21.900	1/2	14.000	16.000	12.000	17.90	80.000	27.000	41.000
27.230	3/4	14.000	20.000	16.000	23.30	100.000	27.000	42.000
34.180	1	11.500	25.000	20.000	29.00	110.000	32.000	53.000

Fluteless machine taps

Fluteless machine taps with oil grooves for ISO metric threads



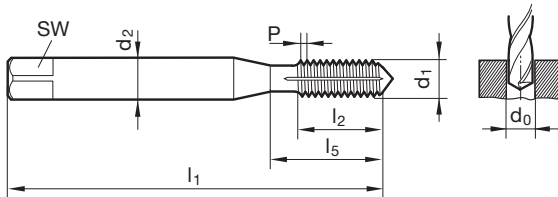
Catalog no. 73120

Durativ	~DIN 371	C	HSS-E	bright	R	6HX
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P	M	K	N	S	H
•	•		•		

Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.80	56.000	10.000	18.000
M 3.5	0.600	4.000	3.000	3.25	56.000	12.000	20.000
M 4	0.700	4.500	3.400	3.70	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.65	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.55	80.000	16.000	30.000
M 8	1.250	8.000	6.200	7.40	90.000	17.000	35.000
M10	1.500	10.000	8.000	9.30	100.000	20.000	39.000

Fluteless machine taps

Fluteless machine taps with oil grooves for ISO metric threads



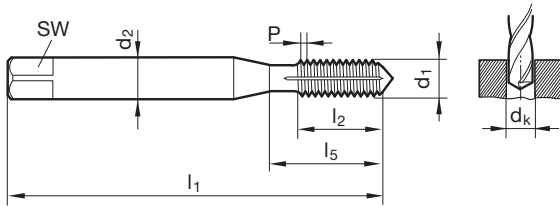
Catalog no. 63120

Durativ	~DIN 371	C	HSS-E	TiN		6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.80	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.70	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.65	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.55	80.000	16.000	30.000
M 8	1.250	8.000	6.200	7.40	90.000	17.000	35.000
M10	1.500	10.000	8.000	9.30	100.000	20.000	39.000

Fluteless machine taps

Fluteless machine taps with oil grooves for ISO metric threads



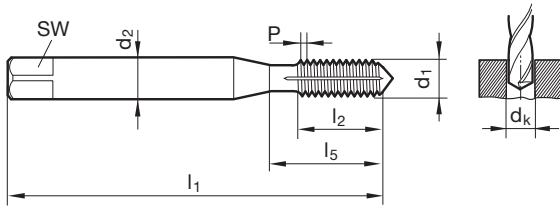
Catalog no. 63119

Durativ	~DIN 371	C	HSS-E	TiN		6GX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.80	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.70	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.65	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.55	80.000	16.000	30.000
M 8	1.250	8.000	6.200	7.40	90.000	17.000	35.000
M10	1.500	10.000	8.000	9.30	100.000	20.000	39.000

Fluteless machine taps

Fluteless machine taps with oil grooves for ISO metric threads



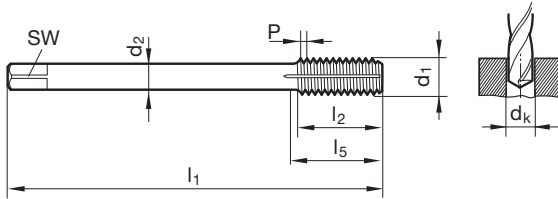
Catalog no. 63122

Durativ	~DIN 376	C	HSS-E	TiN		6HX
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P	M	K	N	S	H
•	•		•		

Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	11.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	13.10	110.000	26.000	53.000
M16	2.000	12.000	9.000	15.10	110.000	26.000	54.000

Fluteless machine taps

Fluteless machine taps with oil grooves for ISO metric threads



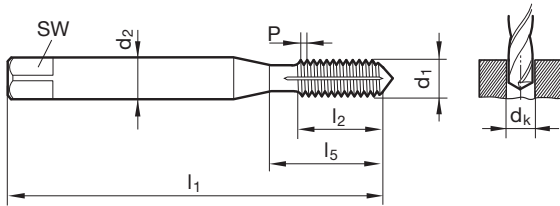
Catalog no. 53620

Durativ	~DIN 371	C	HSS-E- PM	Al- CrN	R	6HX
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P	M	K	N	S	H
•	•		•		

Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.80	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.70	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.65	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.55	80.000	16.000	30.000
M 8	1.250	8.000	6.200	7.40	90.000	17.000	35.000
M10	1.500	10.000	8.000	9.30	100.000	20.000	39.000

Fluteless machine taps

Fluteless machine taps with oil grooves for ISO metric threads



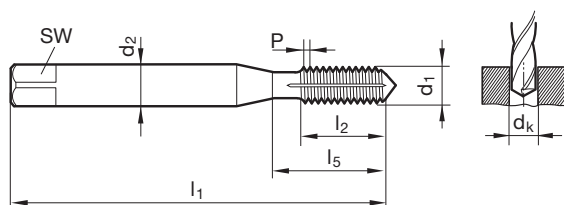
Catalog no. 53621

Durativ	~DIN 371	C	HSS-E- PM	Al- CrN	R	6GX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.80	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.70	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.65	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.55	80.000	16.000	30.000
M 8	1.250	8.000	6.200	7.40	90.000	17.000	35.000
M10	1.500	10.000	8.000	9.30	100.000	20.000	39.000

Fluteless machine taps

Fluteless machine taps with oil grooves for ISO metric threads



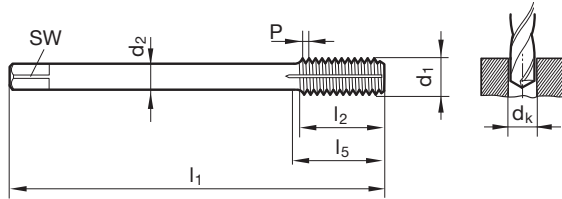
Catalog no. 53622

Durativ	~DIN 376	C	HSS-E- PM	Al- CrN	R	6HX
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P	M	K	N	S	H
•	•		•		

Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	11.20	110.000	24.000	49.000
M14	2.000	11.000	9.000	13.10	110.000	26.000	53.000
M16	2.000	12.000	9.000	15.10	110.000	26.000	54.000
M20	2.500	16.000	12.000	18.90	140.000	32.000	62.000

Fluteless machine taps

Oil feed fluteless taps f. ISO metric threads



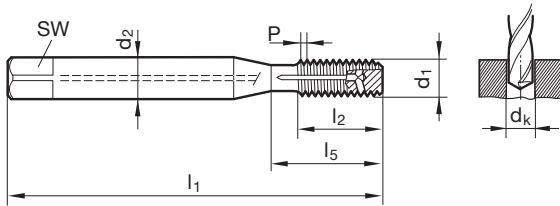
Catalog no. 63013

Durativ	~DIN 371	C	VHM	TiCN		6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	3.500	2.700	2.80	56.000	6.000	18.000
M 4	0.700	4.500	3.400	3.70	63.000	7.500	21.000
M 5	0.800	6.000	4.900	4.65	70.000	8.500	25.000
M 6	1.000	6.000	4.900	5.55	80.000	11.000	30.000
M 8	1.250	8.000	6.200	7.40	90.000	14.000	35.000
M10	1.500	10.000	8.000	9.30	100.000	16.000	39.000

Fluteless machine taps

Fluteless machine taps w/o oil grooves for ISO metric threads



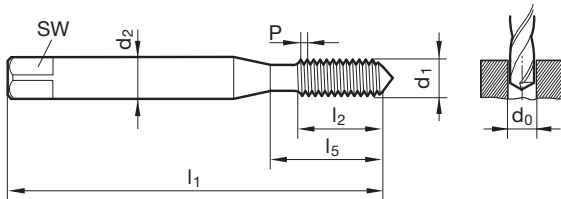
Catalog no. 73121

Durativ	DIN 371	C	HSS-E	bright	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.85	45.000	8.000	13.500
M 2.2	0.450	2.800	2.100	2.03	45.000	9.000	14.500
M 2.3	0.400	2.800	2.100	2.10	45.000	9.000	14.500
M 2.5	0.450	2.800	2.100	2.30	50.000	9.000	14.500
M 3	0.500	3.500	2.700	2.80	56.000	10.000	18.000
M 3.5	0.600	4.000	3.000	3.25	56.000	12.000	20.000
M 4	0.700	4.500	3.400	3.70	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.65	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.55	80.000	16.000	30.000
M 8	1.250	8.000	6.200	7.40	90.000	17.000	35.000
M 10	1.500	10.000	8.000	9.30	100.000	20.000	39.000

Fluteless machine taps

Fluteless machine taps w/o oil grooves for ISO metric threads



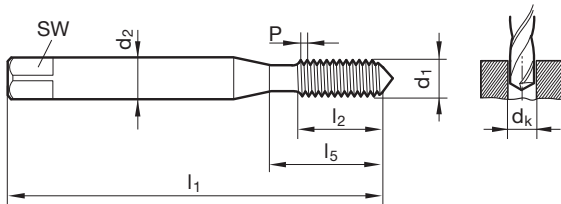
Catalog no. 63121

Durativ	DIN 371	C	HSS-E	TiN	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 2	0.400	2.800	2.100	1.85	45.000	8.000	13.500
M 3	0.500	3.500	2.700	2.80	56.000	10.000	18.000
M 4	0.700	4.500	3.400	3.70	63.000	12.000	21.000
M 5	0.800	6.000	4.900	4.65	70.000	14.000	25.000
M 6	1.000	6.000	4.900	5.55	80.000	16.000	30.000
M 8	1.250	8.000	6.200	7.40	90.000	17.000	35.000
M10	1.500	10.000	8.000	9.30	100.000	20.000	39.000

Fluteless machine taps

Fluteless machine taps w/o oil grooves for ISO metric threads



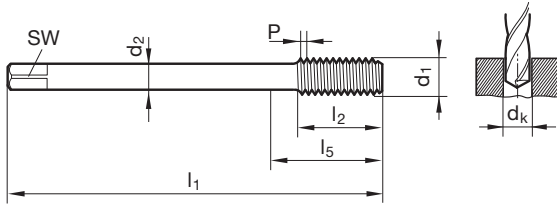
Catalog no. 63123

Durativ	~DIN 376	C	HSS-E	TiN	R	6HX
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P	M	K	N	S	H
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Application
recomm. p. 348

- for through and blind holes
- for large thread depths
- universal application
- steel materials up to 1000 N/mm²
- acid resist./stainless steels
- tough, long-chipping materials



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M12	1.750	9.000	7.000	11.20	110.000	24.000	49.000
M16	2.000	12.000	9.000	15.10	110.000	26.000	54.000
M20	2.500	16.000	12.000	18.90	140.000	32.000	62.000

Thread milling cutters

Thread milling cutters with chamfer for ISO metric threads



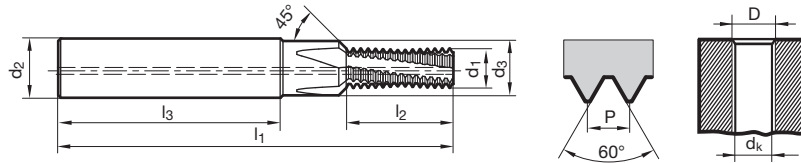
Catalog no. 73810



P	M	K	N	S	H
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Application
recomm. p. 348

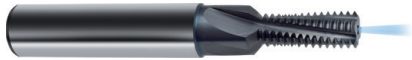
- thread milling cutter with 45° chamfer, with spiral flutes and internal coolant supply (axial)
- universal application



Code no.	D	P mm	d1 mm	d2 mm	d3 mm	dk mm	l1 mm	l2 mm	l3 mm	Z
3.000	M 3	0.500	2.300	6.000	3.400	2.50	48.000	6.800	36.000	3
4.000	M 4	0.700	3.000	6.000	4.500	3.30	48.000	8.800	36.000	3
5.000	M 5	0.800	4.000	6.000	5.500	4.20	54.000	10.800	36.000	3
6.000	M 6	1.000	4.800	8.000	6.600	5.00	62.000	13.500	36.000	3
8.000	M 8	1.250	6.400	10.000	9.000	6.80	74.000	18.100	40.000	3
10.000	M10	1.500	7.950	12.000	11.000	8.50	80.000	21.800	45.000	4
12.000	M12	1.750	9.950	14.000	13.500	10.20	90.000	25.400	45.000	4
14.000	M14	2.000	11.200	16.000	15.500	12.00	102.000	31.000	48.000	4
16.000	M16	2.000	12.800	18.000	17.500	14.00	102.000	35.000	48.000	4
20.000	M20	2.500	14.500	20.000	21.500	17.50	125.000	41.300	50.000	4

Thread milling cutters

Thread milling cutters with chamfer for ISO metric threads



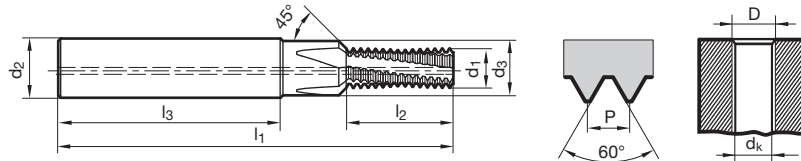
Catalog no. 53810



P	M	K	N	S	H
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Application
recomm. p. 348

- thread milling cutter with 45° chamfer, with spiral flutes and internal coolant supply (axial)
- universal application in most materials



Code no.	D	P mm	d1 mm	d2 mm	d3 mm	dk mm	l1 mm	l2 mm	l3 mm	Z
3.000	M 3	0.500	2.300	6.000	3.400	2.50	48.000	6.800	36.000	3
4.000	M 4	0.700	3.000	6.000	4.500	3.30	48.000	8.800	36.000	3
5.000	M 5	0.800	4.000	6.000	5.500	4.20	54.000	10.800	36.000	3
6.000	M 6	1.000	4.800	8.000	6.600	5.00	62.000	13.500	36.000	3
8.000	M 8	1.250	6.400	10.000	9.000	6.80	74.000	18.100	40.000	3
10.000	M10	1.500	7.950	12.000	11.000	8.50	80.000	21.800	45.000	4
12.000	M12	1.750	9.950	14.000	13.500	10.20	90.000	25.400	45.000	4
14.000	M14	2.000	11.200	16.000	15.500	12.00	102.000	31.000	48.000	4
16.000	M16	2.000	12.800	18.000	17.500	14.00	102.000	35.000	48.000	4
20.000	M20	2.500	14.500	20.000	21.500	17.50	125.000	41.300	50.000	4

Thread milling cutters

Thread milling cutters with chamfer for ISO metric fine threads



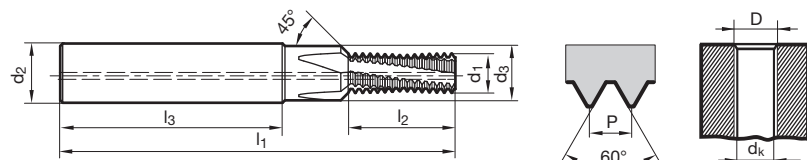
Catalog no. 53820



P	M	K	N	S	H
•	•	•	•	•	○

Application
recomm. p. 348

- thread milling cutter with 45° chamfer, with spiral flutes and internal coolant supply (axial)
- universal application in most materials



Code no.	D	d1 mm	d2 mm	d3 mm	dk mm	l1 mm	l2 mm	l3 mm	Z
4.003	M 4 X0.5	3.000	6.000	4.500	3.50	48.000	8.800	36.000	3
5.003	M 5 X0.5	4.000	6.000	5.500	4.50	54.000	10.800	36.000	3
6.003	M 6 X0.5	4.800	8.000	6.600	5.50	62.000	12.800	36.000	3
6.004	M 6 X0.75	4.800	8.000	6.600	5.20	62.000	13.100	36.000	3
8.004	M 8 X0.75	6.400	10.000	9.000	7.20	74.000	16.900	40.000	3
8.005	M 8 X1	6.400	10.000	9.000	7.00	74.000	17.500	40.000	3
10.005	M10 X1	7.950	12.000	11.000	9.00	80.000	21.500	45.000	4
10.006	M10 X1.25	7.950	12.000	11.000	8.80	80.000	21.900	45.000	4
12.005	M12 X1	9.950	14.000	13.500	11.00	90.000	25.500	45.000	4
12.007	M12 X1.5	9.950	14.000	13.500	10.50	90.000	26.300	45.000	4
14.007	M14 X1.5	11.200	16.000	15.500	12.50	102.000	30.800	48.000	4
16.007	M16 X1.5	12.800	18.000	17.500	14.50	102.000	33.800	48.000	4

Thread milling cutters

Thread milling cutters with chamfer for ISO metric fine threads



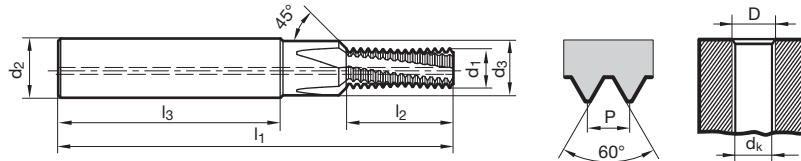
Catalog no. 73820



P	M	K	N	S	H
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Application
recomm. p. 348

- thread milling cutter with 45° chamfer, with spiral flutes and internal coolant supply (axial)
- universal application in most materials



Code no.	D	d1 mm	d2 mm	d3 mm	dk mm	l1 mm	l2 mm	l3 mm	Z
4.003	M 4 X0.5	3.000	6.000	4.500	3.50	48.000	8.800	36.000	3
5.003	M 5 X0.5	4.000	6.000	5.500	4.50	54.000	10.800	36.000	3
6.003	M 6 X0.5	4.800	8.000	6.600	5.50	62.000	12.800	36.000	3
6.004	M 6 X0.75	4.800	8.000	6.600	5.20	62.000	13.100	36.000	3
8.004	M 8 X0.75	6.400	10.000	9.000	7.20	74.000	16.900	40.000	3
8.005	M 8 X1	6.400	10.000	9.000	7.00	74.000	17.500	40.000	3
10.005	M10 X1	7.950	12.000	11.000	9.00	80.000	21.500	45.000	4
10.006	M10 X1.25	7.950	12.000	11.000	8.80	80.000	21.900	45.000	4
12.005	M12 X1	9.950	14.000	13.500	11.00	90.000	25.500	45.000	4
12.007	M12 X1.5	9.950	14.000	13.500	10.50	90.000	26.300	45.000	4
14.007	M14 X1.5	11.200	16.000	15.500	12.50	102.000	30.800	48.000	4
16.007	M16 X1.5	12.800	18.000	17.500	14.50	102.000	33.800	48.000	4

Thread milling cutters

Thread milling cutters without chamfer for ISO metric threads



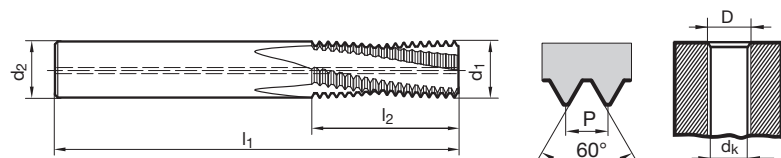
Catalog no. 73830



P	M	K	N	S	H
•	•	•	•	•	

Application
recomm. p. 348

- Thread milling cutter without chamfer, with spiral flute and internal coolant (axial).
- universal application in most materials



Code no.	d1	P mm	d1 mm	d2 mm	dk mm	l1 mm	l2 mm	Z
6.000	M 6	1.000	4.800	6.000	5.00	54.000	13.500	3
8.000	M 8	1.250	6.400	8.000	6.80	62.000	18.100	3
8.005	M 8 X1	1.000	6.400	8.000	7.00	62.000	14.500	3
10.000	M10	1.500	7.950	10.000	8.50	74.000	21.800	3
10.005	M10 X1	1.000	7.950	10.000	9.00	74.000	14.500	3
10.006	M10 X1.25	1.250	7.950	10.000	8.80	74.000	18.100	3
12.000	M12	1.750	9.950	10.000	10.20	74.000	25.400	4
14.000	M14	2.000	11.200	12.000	12.00	90.000	31.000	4
14.007	M14 X1.5	1.500	11.200	12.000	12.50	90.000	23.300	4
16.000	M16	2.000	12.800	14.000	14.00	90.000	35.000	4
16.007	M16 X1.5	1.500	12.800	14.000	14.50	90.000	26.300	4
20.000	M20	2.500	14.950	16.000	17.50	102.000	41.300	4
20.007	M20 X1.5	1.500	14.950	16.000	18.50	102.000	24.800	4

Thread milling cutters

Thread milling cutters without chamfer for ISO metric threads



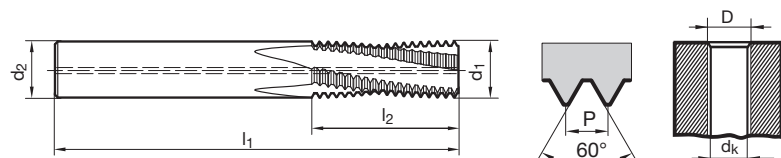
Catalog no. 53830



P	M	K	N	S	H
•	•	•	•	•	○

Application
recomm. p. 348

- Thread milling cutter without chamfer, with spiral flute and internal coolant (axial).
- universal application in most materials



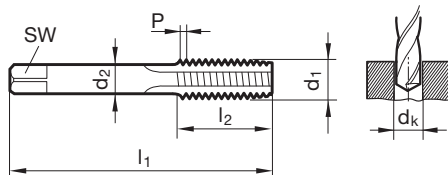
Code no.	d1	P mm	d1 mm	d2 mm	dk mm	l1 mm	l2 mm	Z
6.000	M 6	1.000	4.800	6.000	5.00	54.000	13.500	3
8.000	M 8	1.250	6.400	8.000	6.80	62.000	18.100	3
8.005	M 8 X1	1.000	6.400	8.000	7.00	62.000	14.500	3
10.000	M10	1.500	7.950	10.000	8.50	74.000	21.800	3
10.005	M10 X1	1.000	7.950	10.000	9.00	74.000	14.500	3
10.006	M10 X1.25	1.250	7.950	10.000	8.80	74.000	18.100	3
12.000	M12	1.750	9.950	10.000	10.20	74.000	25.400	4
14.000	M14	2.000	11.200	12.000	12.00	90.000	31.000	4
14.007	M14 X1.5	1.500	11.200	12.000	12.50	90.000	23.300	4
16.000	M16	2.000	12.800	14.000	14.00	90.000	35.000	4
16.007	M16 X1.5	1.500	12.800	14.000	14.50	90.000	26.300	4
20.000	M20	2.500	14.950	16.000	17.50	102.000	41.300	4
20.007	M20 X1.5	1.500	14.950	16.000	18.50	102.000	24.800	4

Hand taps

Hand taps for ISO-metric threads, set, right hand cutting



Catalog no. 73531



P	M	K	N	S	H
•	○	•	•		

Application
recomm. p. 358

- for through and blind holes
- tap set, straight-fluted, specially for manual use but also for machine application
- first taper and second tap with different outside and flank diameters.
- the bottoming tap can be used as a short machine tap.
- First tap 73101
- Second tap 73102
- Bottoming tap 73103

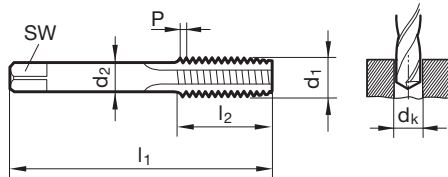
d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm
M 1	0.250	2.500	2.100	0.75	32.000	5.500
M 1.2	0.250	2.500	2.100	0.95	32.000	5.500
M 1.4	0.300	2.500	2.100	1.10	32.000	7.000
M 1.6	0.350	2.500	2.100	1.25	32.000	8.000
M 1.7	0.350	2.500	2.100	1.35	32.000	8.000
M 2	0.400	2.800	2.100	1.60	36.000	8.000
M 2.3	0.400	2.800	2.100	1.90	36.000	9.000
M 2.5	0.450	2.800	2.100	2.05	40.000	9.000
M 2.6	0.450	2.800	2.100	2.15	40.000	9.000
M 3	0.500	3.500	2.700	2.50	40.000	10.000
M 3.5	0.600	4.000	3.000	2.90	45.000	12.000
M 4	0.700	4.500	3.400	3.30	45.000	12.000
M 4.5	0.750	6.000	4.900	3.70	50.000	14.000
M 5	0.800	6.000	4.900	4.20	50.000	14.000
M 6	1.000	6.000	4.900	5.00	56.000	16.000
M 7	1.000	6.000	4.900	6.00	56.000	16.000
M 8	1.250	6.000	4.900	6.80	63.000	17.000
M10	1.500	7.000	5.500	8.50	70.000	20.000
M12	1.750	9.000	7.000	10.20	75.000	24.000
M14	2.000	11.000	9.000	12.00	80.000	26.000
M16	2.000	12.000	9.000	14.00	80.000	26.000
M18	2.500	14.000	11.000	15.50	95.000	30.000
M20	2.500	16.000	12.000	17.50	95.000	32.000
M24	3.000	18.000	14.500	21.00	110.000	36.000

Hand taps

Hand taps for ISO-metric threads, set, left hand cutting



Catalog no. 73532



N	DIN 352	HSS	bright	L	ISO2/6H
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P	M	K	N	S	H
•	○	•	•		

Application
recomm. p. 358

- for through and blind holes
- tap set, straight-fluted, specially for manual use but also for machine application
- first taper and second tap with different outside and flank diameters.
- the bottoming tap can be used as a short machine tap.
- First tap 73105
- Second tap 73106
- Bottoming tap 73107

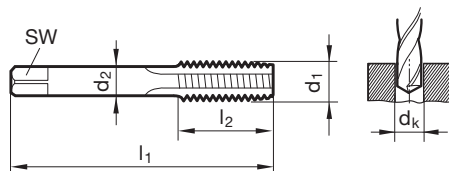
d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm
M 4	0.700	4.500	3.400	3.30	45.000	12.000
M 5	0.800	6.000	4.900	4.20	50.000	14.000
M 6	1.000	6.000	4.900	5.00	56.000	16.000
M 8	1.250	6.000	4.900	6.80	63.000	17.000
M10	1.500	7.000	5.500	8.50	70.000	20.000
M12	1.750	9.000	7.000	10.20	75.000	24.000
M14	2.000	11.000	9.000	12.00	80.000	26.000
M16	2.000	12.000	9.000	14.00	80.000	26.000

Hand taps

Hand taps for ISO-metric fine threads, set



Catalog no. 73521



N	DIN 2180	HSS	bright	R	ISO2/6H
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P	M	K	N	S	H
•	○	•	•		

Application
recomm. p. 358

- for through and blind holes
- tap set, straight-fluted, specially for manual use but also for machine application
- the bottoming tap can be used as a short machine tap.
- First tap 73110
- Bottoming tap 73111

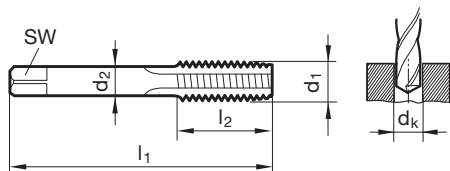
Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm
5.003	M 5 X0.5	6.000	4.900	4.50	50.000	11.000
6.003	M 6 X0.5	6.000	4.900	5.50	56.000	12.000
6.004	M 6 X0.75	6.000	4.900	5.20	56.000	12.000
8.004	M 8 X0.75	6.000	4.900	7.20	56.000	14.000
8.005	M 8 X1	6.000	4.900	7.00	63.000	17.000
10.005	M10 X1	7.000	5.500	9.00	63.000	16.000
10.006	M10 X1.25	7.000	5.500	8.80	63.000	20.000
11.005	M11 X1	8.000	6.200	10.00	63.000	18.000
12.005	M12 X1	9.000	7.000	11.00	70.000	20.000
16.007	M16 X1.5	12.000	9.000	14.50	70.000	20.000
18.007	M18 X1.5	14.000	11.000	16.50	80.000	22.000

Hand taps

Hand taps for UNC-threads, set



Catalog no. 73535



N	~DIN 352	HSS	bright	R	2B
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P	M	K	N	S	H
•	○	•	•		

Application
recomm. p. 358

- for through and blind holes
- tap set, straight-fluted, specially for manual use but also for machine application
- first taper and second tap with different outside and flank diameters.
- the bottoming tap can be used as a short machine tap.
- First tap 73301
- Second tap 73302
- Bottoming tap 73303

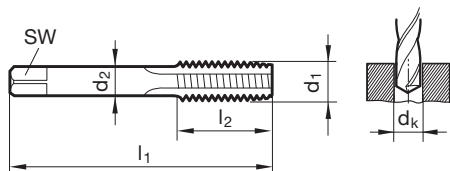
Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm
2.845	4 -40	3.500	2.700	2.35	40.000	11.000
3.175	5 -40	4.000	2.700	2.65	40.000	11.000
3.505	6 -32	4.000	3.000	2.85	45.000	12.000
4.166	8 -32	4.500	3.400	3.50	45.000	12.000
4.826	10 -24	6.000	4.900	3.90	50.000	14.000
6.350	1/4 -20	6.000	4.900	5.10	56.000	16.000
7.938	5/16 -18	6.000	4.900	6.60	63.000	18.000
9.525	3/8 -16	7.000	5.500	8.00	70.000	20.000
11.113	7/16 -14	8.000	6.200	9.40	70.000	22.000
12.700	1/2 -13	9.000	7.000	10.80	75.000	25.000
15.875	5/8 -11	12.000	9.000	13.50	80.000	30.000
19.050	3/4 -10	16.000	11.000	16.50	95.000	33.000

Hand taps

Hand taps for BSW-threads, set



Catalog no. 73534



P	M	K	N	S	H
•	○	•	•		

Application
recomm. p. 358

- for through and blind holes
- tap set, straight-fluted, specially for manual use but also for machine application
- first taper and second tap with different outside and flank diameters.
- the bottoming tap can be used as a short machine tap.
- First tap 73311
- Second tap 73312
- Bottoming tap 73313

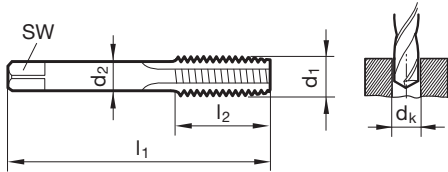
Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm
3.175	W 1/8	4.000	2.700	2.50	40.000	11.000
3.969	W 5/32	4.500	3.400	3.20	45.000	12.000
4.762	W 3/16	6.000	4.900	3.60	50.000	14.000
6.350	W 1/4	6.000	4.900	5.10	56.000	16.000
7.938	W 5/16	6.000	4.900	6.50	63.000	18.000
9.525	W 3/8	7.000	5.500	7.90	70.000	20.000
11.113	W 7/16	8.000	6.200	9.20	70.000	22.000
12.700	W 1/2	9.000	7.000	10.50	75.000	25.000
14.287	W 9/16	11.000	9.000	12.00	80.000	28.000
15.876	W 5/8	12.000	9.000	13.50	80.000	30.000
19.051	W 3/4	16.000	11.000	16.25	95.000	33.000

Hand taps

Hand taps for pipe threads, set



Catalog no. 73522



P	M	K	N	S	H
•	○	•	•		

Application
recomm. p. 358

- for through and blind holes
- tap set, straight-fluted, specially for manual use but also for machine application
- the bottoming tap can be used as a short machine tap.
- First tap 73315
- Bottoming tap 73316

Code no.	d1	d2 mm	SW mm	dk mm	l1 mm	l2 mm
9.728	G 1/8	7.000	5.500	8.80	63.000	18.000
13.157	G 1/4	11.000	9.000	11.80	70.000	20.000
16.662	G 3/8	12.000	9.000	15.25	70.000	20.000
20.955	G 1/2	16.000	12.000	19.00	80.000	22.000

Machine combination drill taps

Machine combination drill taps for ISO metric threads

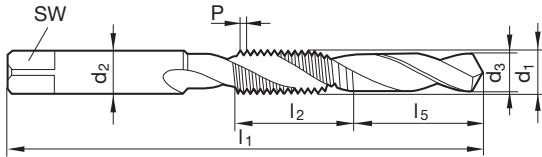


Catalog no. 73248



P	M	K	N	S	H
•	○	•	•		

- for through holes
- steel to 800 N/mm²



d1	P mm	Code no.	d2 mm	d3 mm	SW mm	l1 mm	l5 mm	l2 mm
M 3	0.500	3.000	3.500	2.500	2.700	62.000	11.000	12.000
M 4	0.700	4.000	4.500	3.300	3.400	66.000	10.000	16.000
M 5	0.800	5.000	6.000	4.200	4.900	75.000	12.000	18.000
M 6	1.000	6.000	6.000	5.000	4.900	81.000	14.000	20.000
M 8	1.250	8.000	6.000	6.800	4.900	93.000	20.000	12.000
M10	1.500	10.000	7.000	8.500	5.500	99.000	22.000	14.000
M12	1.750	12.000	9.000	10.200	7.000	106.000	25.000	16.000

Machine nut taps

Machine nut taps for ISO metric threads

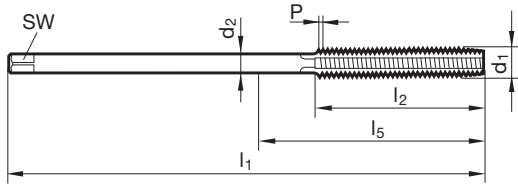


Catalog no. 73243

N	DIN 357	HSS-E	bright	R	ISO2/6H
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P	M	K	N	S	H
•	○	•	•		

- for through holes
- for nuts with thread depths up to 1xD
- chamfer lead appr. 20 threads



d1	P mm	d2 mm	SW mm	dk mm	l1 mm	l2 mm	l5 mm
M 3	0.500	2.200		2.50	70.000	22.000	30.000
M 3.5	0.600	2.500	2.100	2.90	80.000	25.000	31.000
M 4	0.700	2.800	2.100	3.30	90.000	25.000	33.000
M 5	0.800	3.500	2.700	4.20	100.000	28.000	38.000
M 6	1.000	4.500	3.400	5.00	110.000	32.000	44.000
M 8	1.250	6.000	4.900	6.80	125.000	40.000	61.000
M10	1.500	7.000	5.500	8.50	140.000	45.000	85.000
M12	1.750	9.000	7.000	10.20	180.000	50.000	120.000
M14	2.000	11.000	9.000	12.00	200.000	56.000	130.000
M16	2.000	12.000	9.000	14.00	200.000	63.000	145.000
M18	2.500	14.000	11.000	15.50	220.000	63.000	155.000

Dies

Dies for ISO metric threads



Catalog no. 73400

DIN EN
22568

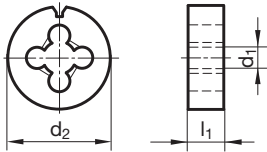
HSS

bright



P	M	K	N	S	H
•	○		•		

• general application



d1	P mm	d2 mm	l1 mm	Workpiece Ø mm	Code no.
M 1	0.250	16.000	5.000	0.970	1.000
M 1.2	0.250	16.000	5.000	1.170	1.200
M 2.2	0.450	16.000	5.000	2.130	2.200
M 2.3	0.400	16.000	5.000	2.250	2.300
M 3	0.500	20.000	5.000	2.920	3.000
M 3.5	0.600	20.000	5.000	3.410	3.500
M 4	0.700	20.000	5.000	3.910	4.000
M 5	0.800	20.000	7.000	4.900	5.000
M 6	1.000	20.000	7.000	5.880	6.000
M 7	1.000	25.000	9.000	6.880	7.000
M 8	1.250	25.000	9.000	7.870	8.000
M10	1.500	30.000	11.000	9.850	10.000
M12	1.750	38.000	14.000	11.830	12.000
M14	2.000	38.000	14.000	13.820	14.000
M16	2.000	45.000	18.000	15.820	16.000
M18	2.500	45.000	18.000	17.790	18.000
M20	2.500	45.000	18.000	19.790	20.000
M24	3.000	55.000	22.000	23.770	24.000
M30	3.500	65.000	25.000	29.730	30.000

Dies

Dies for ISO metric threads



Catalog no. 73410

DIN EN
22568

HSS

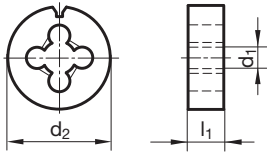
bright

R

6g

P	M	K	N	S	H
•		○	•		

- lapped for non-ferrous metals
- general application



d1	P mm	d2 mm	l1 mm	Workpiece Ø mm	Code no.
M 3	0.500	20.000	5.000	2.920	3.000
M 4	0.700	20.000	5.000	3.910	4.000
M 6	1.000	20.000	7.000	5.880	6.000
M 8	1.250	25.000	9.000	7.870	8.000
M10	1.500	30.000	11.000	9.850	10.000
M12	1.750	38.000	14.000	11.830	12.000
M14	2.000	38.000	14.000	13.820	14.000
M18	2.500	45.000	18.000	17.790	18.000

Dies

Dies for ISO metric threads

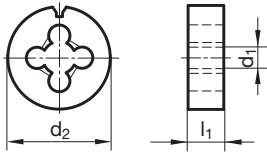


Catalog no. 73413



P	M	K	N	S	H
•	•		•		

- lapped for non-ferrous metals
- general application



d1	P mm	d2 mm	l1 mm	Workpiece Ø mm	Code no.
M 2.5	0.450	16.000	5.000	2.430	2.500
M 3	0.500	20.000	5.000	2.920	3.020
M 4	0.700	20.000	5.000	3.910	4.020
M 5	0.800	20.000	7.000	4.900	5.000
M 6	1.000	20.000	7.000	5.880	6.000
M 8	1.250	25.000	9.000	7.870	8.000
M10	1.500	30.000	11.000	9.850	10.000
M12	1.750	38.000	14.000	11.830	12.000
M14	2.000	38.000	14.000	13.820	14.000
M16	2.000	45.000	18.000	15.820	16.000
M20	2.500	45.000	18.000	19.790	20.000