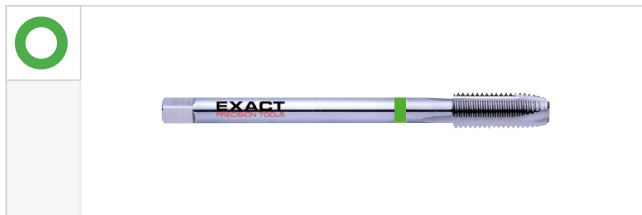


Meteorvej 6
8700 Horsens
Telefon 75624144
www.3ktools.dk

Maskinspånbrøder-tap DIN 5156 Machine Taps DIN 5156



BSP Whitworth-Rørgvind (G) | BSP Whitworth pipe thread (G)



Universel anvendelig



HSS-E

Form B

Universal Using

Teknisk information

HSS-E = High-speed stål klasse E

Form B = Ansnit 4-5 gevind, til gennemgående huller

DIN 5156 • Til Whitworth-rørgvind (G) DIN 259 ISO 228 / del 1

Technical Information

HSS-E = High-speed-steel E-class

Form B = 4-5 pitch chamfer, spiral point for through holes

DIN 5156 • For Whitworth pipe thread DIN 259 ISO 228 / Part 1

Anvendelse

Til skæring af indvendige gevind.

Application

For cutting internal threads.

G BSP	mm	mm	mm	mm	mm	mm	CODE	
1/8	28	8,70	20	90	8,0	6,2	02721	
1/4	19	11,75	20	100	11,0	9,0	02722	
3/8	19	15,25	22	100	12,0	9,0	02723	
1/2	14	19,00	25	140	16,0	12,0	02724	
5/8	14	21,00	25	140	18,0	14,5	02725	
3/4	14	24,50	30	140	20,0	16,0	02726	
7/8	14	28,25	30	160	22,0	18,0	02727	
1	11	30,50	36	170	25,0	20,0	02728	

Andre dimensioner til rådighed på forespørgsel | Other sizes available on request

Anvendelse GRØN RING | Application GREEN RING

Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA stål	VA stål	Værktøjs stål	Støbejern	Kobber	Aluminium + legering	Uni	Skærolie	Emulsion	Minimum smøring	Tør bearbejdning	Kompri-meret luft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm²	> 500 N/mm²	≤ 1000 N/mm²	≤ 1000 N/mm²	≤ 1200 N/mm²	40 - 60 HRC	≤ 850 N/mm²	> 850 N/mm²	≤ 1000 N/mm²	≤ 300 HB	≤ 400 N/mm²	≤ 450 N/mm²						
●	●	●	○					○		○	○		●	●	●		

● Anbefalet | recommended ○ delvist egnet | partly suitable

Maskinspånbrøder-tap DIN 371 / 376

Machine Taps DIN 371 / 376



Metrisk | Metric



Universel anvendelig



HSS-E

Form C
Links

Universal Using

Teknisk information

HSS-E = High-Speed stål klasse E
Form C = Ansnet 2-3 gevind, til gennemgående huller og bund huller
DIN 371 / 376 • For ISO-metrisk ISO-gevind DIN 13, tolerance 6H

Technical Information

HSS-E = High-speed-steel E-class
Form C = 2-3 pitch chamfer for through holes and blind holes
DIN 371 / 376 • For metric ISO-thread DIN 13, tolerance 6H

Anvendelse

Til skæring af indvendige gevind.

Application

For cutting internal threads.

M	mm	mm	mm	mm	mm	mm	mm	CODE
Med forstærket skaft - DIN 371								
M 3,0	0,50	2,50	11	56	3,5	2,7	02310	
M 4,0	0,70	3,30	13	63	4,5	3,4	02311	
M 5,0	0,80	4,20	16	70	6,0	4,9	02312	
M 6,0	1,00	5,00	19	80	6,0	4,9	02313	
M 8,0	1,25	6,75	22	90	8,0	6,2	02314	
M 10,0	1,50	8,50	24	100	10,0	8,0	02315	
Med overløbs skaft - DIN 376								
M 12,0	1,75	10,25	29	110	9,0	7,0	02316	
M 14,0	2,00	12,00	30	110	11,0	9,0	02317	
M 16,0	2,00	14,00	32	110	12,0	9,0	02318	
M 18,0	2,50	15,50	34	125	14,0	11,0	02319	
M 20,0	2,50	17,50	34	140	16,0	12,0	02320	
M 22,0	2,50	19,50	34	140	18,0	14,5	02329	
M 24,0	3,00	21,00	38	160	18,0	14,5	02330	

Anvendelse GRØN RING Application GREEN RING																	
Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Stahl	VA Stahl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	●	●	○					○		○			●	●	●		

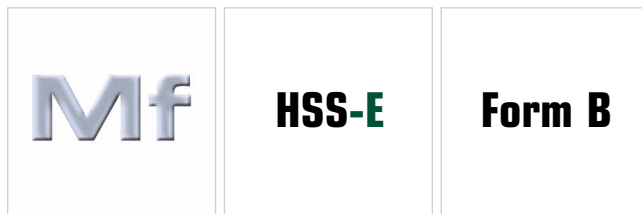
● anbefalet | recommended ○ Delvist egnet | partly suitable

Maskinspånbrøder-tap DIN 374

Machine Taps DIN 374



Metrisk fin gevind | Metric fine



Universel anvendelig

Universal Using

Teknisk information

HSS-E = High-speed stål klasse E
 Form B = Ansnit 4-5 gevind, til gennemgående huller
 DIN 374 • Til metrisk ISO gevind DIN 13, tolerance 6H

Technical Information

HSS-E = High-speed-steel E-class
 Form B = 4-5 pitch chamfer, spiral point for through holes
 DIN 374 • For metric ISO-thread DIN 13, tolerance 6H

Anvendelse

Til skæring af indvendige gevind.

Application

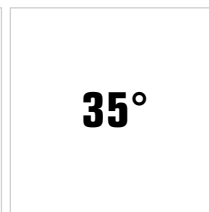
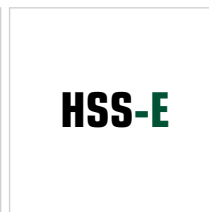
For cutting internal threads.

Mf	mm	mm	mm	mm	mm	mm	CODE	
Mf 6,0	0,75	5,25	14	80	4,5	3,4	02501	
Mf 8,0	0,75	7,25	19	80	6,0	4,9	02502	
Mf 8,0	1,00	7,00	22	90	6,0	4,9	02503	
Mf 10,0	1,00	9,00	16	90	7,0	5,5	02504	
Mf 10,0	1,25	8,75	24	100	7,0	5,5	02539	
Mf 12,0	1,00	11,00	22	100	9,0	7,0	02505	
Mf 12,0	1,25	10,75	22	100	9,0	7,0	02540	
Mf 12,0	1,50	10,50	22	100	9,0	7,0	02506	
Mf 14,0	1,00	13,00	22	100	11,0	9,0	02507	
Mf 14,0	1,25	12,75	22	100	11,0	9,0	02508	
Mf 14,0	1,50	12,50	22	100	11,0	9,0	02509	
Mf 16,0	1,00	15,00	22	100	12,0	9,0	02510	
Mf 16,0	1,50	14,50	22	100	12,0	9,0	02511	
Mf 18,0	1,00	17,00	22	110	14,0	11,0	02512	
Mf 18,0	1,50	16,50	25	110	14,0	11,0	02513	
Mf 18,0	2,00	16,00	34	125	14,0	11,0	02514	
Mf 20,0	1,00	19,00	25	125	16,0	12,0	02515	
Mf 20,0	1,50	18,50	25	125	16,0	12,0	02516	
Mf 20,0	2,00	18,00	34	140	16,0	12,0	02517	
Mf 22,0	1,00	21,00	25	125	18,0	14,5	02518	
Mf 22,0	1,50	20,50	25	125	18,0	14,5	02519	
Mf 22,0	2,00	20,00	34	140	18,0	14,5	02520	
Mf 24,0	1,00	23,00	28	140	18,0	14,5	02521	
Mf 24,0	1,50	22,50	28	140	18,0	14,5	02522	
Mf 24,0	2,00	22,00	28	140	18,0	14,5	02523	
Mf 26,0	1,50	24,50	28	140	18,0	14,5	02524	
Mf 27,0	2,00	25,00	28	140	20,0	16,0	02525	
Mf 28,0	1,50	26,50	28	150	22,0	18,0	02526	
Mf 30,0	1,50	28,50	28	150	22,0	18,0	02527	
Mf 30,0	2,00	28,00	28	150	22,0	18,0	02528	
Mf 32,0	1,50	30,50	28	150	22,0	18,0	02529	
Mf 35,0	1,50	33,50	30	170	28,0	22,0	02530	
Mf 36,0	1,50	34,50	28	170	28,0	22,0	02531	
Mf 38,0	1,50	36,50	28	170	28,0	22,0	02532	
Mf 40,0	1,50	38,50	30	170	32,0	24,0	02533	
Mf 42,0	1,50	40,50	30	170	32,0	24,0	02534	
Mf 45,0	1,50	43,50	32	180	36,0	29,0	02535	
Mf 48,0	1,50	46,50	32	190	36,0	29,0	02536	
Mf 50,0	1,50	48,50	32	190	36,0	29,0	02537	
Mf 52,0	1,50	50,50	32	190	40,0	32,0	02538	

Maskinspiral-tap DIN 5156 Machine Taps DIN 5156



BSP Whitworth-gevind (G) | BSP Whitworth pipe thread (G)



Universel anvendelig

Universal Using

Teknisk Information

HSS-E = High-speed stål klasse E
35° RSP = Ansnit 2-3 gevind, 35° højrespiral, til bund huller
DIN 5156 • Til Whitworth-gevind (G) DIN 259 ISO 228 / Del 1

Technical Information

HSS-E = High-speed-steel E-class
35° RSP = 2-3 pitch chamfer, with 35° spiral flute, for blind holes
DIN 5156 • For Whitworth pipe thread DIN 259 ISO 228 / Part 1

Anvendelse

Til skæring af indvendige gevind.

Application

For cutting internal threads.

G BSP	mm	mm	mm	mm	mm	mm	mm	CODE
1/8	28	8,70	20	90	8,0	6,2	02760	
1/4	19	11,75	20	100	11,0	9,0	02761	
3/8	19	15,25	22	100	12,0	9,0	02762	
1/2	14	19,00	25	140	16,0	12,0	02763	
5/8	14	21,00	25	140	18,0	14,5	02764	
3/4	14	24,50	30	140	20,0	16,0	02765	
7/8	14	28,25	30	160	22,0	18,0	02766	
1	11	30,50	36	170	25,0	20,0	02767	

Andre dimensioner på forespørgsel | Other sizes available on request

Anvendelse GRØN RING Application GREEN RING																	
Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Stahl	VA Stahl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	●	●	○					○		○	○		●	●	●		

● anbefalet | recommended ○ Delvist egnet | partly suitable

Maskinspiral-tap DIN 2182/2183

Machine Taps DIN 2182/2183



UNC | UNC



Universel anvendelig



Universal Using

Teknisk information

HSS-E = High-speed stål klasse E
 35° RSP = Ansnit 2-3 gevind, 35° højrespiral, til bund huller
 DIN 2182 / 2183 • Til UNC-gevind (Unified groft gevind), tolerance 2B

Anvendelse

Til skæring af indvendige gevind.

Technical Information

HSS-E = High-speed-steel E-class
 35° RSP = 2-3 pitch chamfer, with 35° spiral flute, for blind holes
 DIN 2182 / 2183 • For UNC thread (Unified coarse thread), tolerance 2B

Application

For cutting internal threads.

UNC	mm	mm	mm	mm	mm	mm	CODE	
Forstærket skaft - DIN 2182								
1/4	20	5,10	22	80	7,0	5,5	03081	
5/16	18	6,50	25	90	8,0	6,2	03082	
3/8	16	7,90	28	100	9,0	7,0	03083	
Overløbs skaft - DIN 2183								
7/16	14	9,30	28	100	8,0	6,2	03084	
1/2	13	10,80	32	110	9,0	7,0	03085	
9/16	12	12,30	32	110	11,0	9,0	03086	
5/8	11	13,50	32	110	12,0	9,0	03087	
3/4	10	16,50	36	125	14,0	11,0	03088	
7/8	9	19,50	40	140	18,0	14,5	03089	
1	8	22,25	45	160	20,0	16,0	03090	

Andre dimensioner fås på forespørgsel | Other sizes available on request

Anvendelse GRØN RING | Application GREEN RING

Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Stahl	VA Stahl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	●	●	○					○		○	○		●	●	●		

● Anbefalet | recommended ○ Delvist egnet | partly suitable

Maskinspiral-tap DIN 374

Machine Taps DIN 374



Metrisk fin gevind | Metric fine



Universel anvendelig



Universal Using

Teknisk information

HSS-E = High-speed stål klasse E
 35° RSP = Ansnit 2-3 gevind, 35° højrespiral, til bund huller
 DIN 374 • Til metrisk ISO gevind DIN 13, tolerance 6H

Technical Information

HSS-E = High-speed-steel E-class
 35° RSP = 2-3 pitch chamfer, with 35° spiral flute, for blind holes
 DIN 374 • For metric ISO-thread DIN 13, tolerance 6H

Anvendelse

Til skæring af indvendige gevind.

Application

For cutting internal threads.

Mf	mm	mm	mm	mm	mm	mm	CODE	
Mf 6,0	0,75	5,25	14	80	4,5	3,4	03101	
Mf 8,0	0,75	7,25	19	80	6,0	4,9	03102	
Mf 8,0	1,00	7,00	22	90	6,0	4,9	03103	
Mf 10,0	1,00	9,00	16	90	7,0	5,5	03104	
Mf 10,0	1,25	8,75	24	100	7,0	5,5	03105	
Mf 12,0	1,00	11,00	22	100	9,0	7,0	03106	
Mf 12,0	1,25	10,75	22	100	9,0	7,0	03107	
Mf 12,0	1,50	10,50	22	100	9,0	7,0	03108	
Mf 14,0	1,00	13,00	22	100	11,0	9,0	03109	
Mf 14,0	1,25	12,75	22	100	11,0	9,0	03110	
Mf 14,0	1,50	12,50	22	100	11,0	9,0	03111	
Mf 16,0	1,00	15,00	22	100	12,0	9,0	03112	
Mf 16,0	1,50	14,50	22	100	12,0	9,0	03113	
Mf 18,0	1,00	17,00	22	110	14,0	11,0	03114	
Mf 18,0	1,50	16,50	25	110	14,0	11,0	03115	
Mf 18,0	2,00	16,00	34	125	14,0	11,0	03116	
Mf 20,0	1,00	19,00	25	125	16,0	12,0	03117	
Mf 20,0	1,50	18,50	25	125	16,0	12,0	03118	
Mf 20,0	2,00	18,00	34	140	16,0	12,0	03119	
Mf 22,0	1,00	21,00	25	125	18,0	14,5	03120	
Mf 22,0	1,50	20,50	25	125	18,0	14,5	03121	
Mf 22,0	2,00	20,00	34	140	18,0	14,5	03122	
Mf 24,0	1,00	23,00	28	140	18,0	14,5	03123	
Mf 24,0	1,50	22,50	28	140	18,0	14,5	03124	

Anvendelse GRØN RING Application GREEN RING																	
Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Stahl	VA Stahl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	●	●	○					○		○	●		●	●	●		

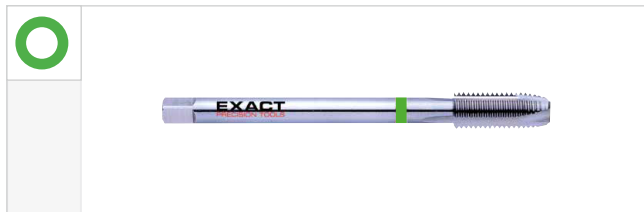
● Anbefalet | recommended ○ Delvist egnet | partly suitable ● betingelsesmæssigt egnet til „Form B“ | partly suitable for “Form B”

Maskinspånbrøder-tap DIN 2182/2183

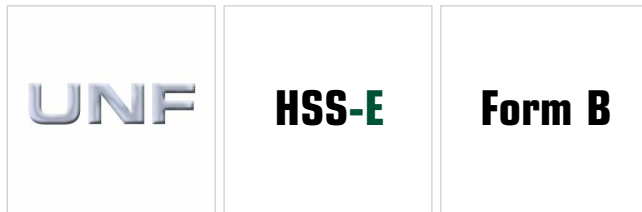
Machine Taps DIN 2182/2183



UNF | UNF



Universel anvendelig



Universal Using

Teknisk information

HSS-E = High-speed klasse E
 Form B = Ansnit 4-5 gevind, til gennemgående huller
 DIN 2182 / 2183 • Til UNF-gevind (Unified-Fingevind), Tolerance 2B

Anvendelse

Til skæring af indvendige gevind

Technical Information

HSS-E = High-speed-steel E-class
 Form B = 4-5 pitch chamfer, spiral point for through holes
 DIN 2182 / 2183 • For UNF thread (Unified fine thread), tolerance 2B

Application

For cutting internal threads.

UNF	mm	mm	mm	mm	mm	mm	CODE	
Med forstærket skaft - DIN 2182								
1/4	28	5,50	22	80	7,0	5,5	03181	
5/16	24	6,90	25	90	8,0	6,2	03182	
3/8	24	8,50	38	100	9,0	7,0	03183	
Med overløbs skaft - DIN 2183								
7/16	20	9,90	28	100	8,0	6,2	03184	
1/2	20	11,50	32	110	9,0	7,0	03185	
9/16	18	13,00	32	110	11,0	9,0	03186	
5/8	18	14,60	32	110	12,0	9,0	03187	
3/4	16	17,50	36	125	14,0	11,0	03188	
7/8	14	20,50	40	140	18,0	14,5	03189	
1	12	23,40	45	160	20,0	16,0	03190	

Andre størrelser kan fås på forespørgsel | Other sizes available on request

Anvendelse GRØN RING Application GREEN RING																	
Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Stahl	VA Stahl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	●	●	○					○		○	○		●	●	●		

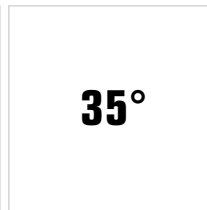
● Anbefalet | recommended ○ Delvist egnet | partly suitable

Maskinspiral-tap DIN 2182/2183

Machine Taps DIN 2182/2183



UNF | UNF



Universel anvendelig

Universal Using

Teknisk information

HSS-E = High-speed stål klasse E
 35° RSP = Ansnit 2-3 gevind, 35° højrespiral, til bund huller
 DIN 2182 / 2183 • Til UNF-gevind (Unified-Fingevind), Tolerance 2B

Technical Information

HSS-E = High-speed-steel E-class
 35° RSP = 2-3 pitch chamfer, with 35° spiral flute, for blind holes
 DIN 2182 / 2183 • For UNF thread (Unified fine thread), tolerance 2B

Anvendelse

Til skæring af indvendige gevind

Application

For cutting internal threads.

UNF	mm	mm	mm	mm	mm	mm	mm	CODE	
Forstærket skaft - DIN 2182									
1/4	28	5,50	22	80	7,0	5,5	03231		
5/16	24	6,90	25	90	8,0	6,2	03232		
3/8	24	8,50	38	100	9,0	7,0	03233		
Overløbs skaft - DIN 2183									
7/16	20	9,90	28	100	8,0	6,2	03234		
1/2	20	11,50	32	110	9,0	7,0	03235		
9/16	18	13,00	32	110	11,0	9,0	03236		
5/8	18	14,60	32	110	12,0	9,0	03237		
3/4	16	17,50	36	125	14,0	11,0	03238		
7/8	14	20,50	40	140	18,0	14,5	03239		
1	12	23,40	45	160	20,0	16,0	03240		

Andre størrelser kan fås på forespørgsel | Other sizes available on request

Anvendelse GRØN RING Application GREEN RING																	
Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Stahl	VA Stahl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	●	●	○					○		○	○		●	●	●		

● Anbefalet | recommended ○ Delvist egnet | partly suitable

Maskin-tap DIN 371 / 376

Machine Taps DIN 371 / 376



Metrisk | Metric

M

HSS-E

Form B



Universel anvendelig

M

HSS-E

35°



Universal Using

Teknisk information

HSS-E = High-speed stål klasse E
 Form B = Ansnit 5 gevind, til gennemgående huller
 35° RSP = Ansnit 2 gevind, til bund huller
 DIN 371 / 376 • Til metriske ISO-gevind DIN 13, Tolerance 6H

Anvendelse

Til skæring af indvendige gevind.

Technical Information

HSS-E = High-speed-steel E-class
 Form B = 5-pitch chamfer, spiral point for through holes
 35° RSP = 2-pitch chamfer with 35° spiral flute for blind holes
 DIN 371 / 376 • For metric ISO-thread DIN 13, tolerance 6H

Application

For cutting internal threads.

M	mm	mm	mm	mm	mm	mm	mm	CODE	CODE
								FORM B	35° RSP
Forstærket skaft - DIN 371									
M 2,0	0,40	1,60	8	45	2,8	2,1	42154	43559	
M 2,5	0,45	2,05	9	50	2,8	2,1	42155	43560	
M 3,0	0,50	2,50	11	56	3,5	2,7	42156	43561	
M 4,0	0,70	3,30	13	63	4,5	3,4	42157	43562	
M 5,0	0,80	4,20	16	70	6,0	4,9	42158	43563	
M 6,0	1,00	5,00	19	80	6,0	4,9	42159	43564	
M 8,0	1,25	6,75	22	90	8,0	6,2	42160	43565	
M 10,0	1,50	8,50	16	100	10,0	8,0	42161	43566	
Overløbs skaft - DIN 376									
M 12,0	1,75	10,25	29	110	9,0	7,0	42391	43573	
M 14,0	2,00	12,00	30	110	11,0	9,0	42388	43574	
M 16,0	2,00	14,00	32	110	12,0	9,0	42389	43575	
M 18,0	2,50	15,50	34	125	14,0	11,0	42390	43576	
M 20,0	2,50	17,50	34	140	16,0	12,0	42391	43577	
M 22,0	2,50	19,50	34	140	18,0	14,5	42392	43578	
M 24,0	3,00	21,00	38	160	18,0	14,5	42393	43579	
M 27,0	3,00	24,00	38	160	20,0	16,0	42395	43580	
M 30,0	3,50	26,50	45	180	22,0	18,0	42396	43581	
M 33,0	3,50	29,50	50	180	25,0	20,0	42397	43582	
M 36,0	4,00	32,00	56	200	28,0	22,0	42398	43583	

Anvendelse GRØN RING | Application GREEN RING

Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Stahl	VA Stahl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	●	●	○					○		○	○		●	●	●		

● Anbefalet | recommended ○ Delvist egnet | partly suitable

Maskin-tap DIN 371 / 376

Machine Taps DIN 371 / 376



Metrisk | Metric

M

HSS-E VAP

Form B

VA + rustfrit stål

M

HSS-E VAP

35°

Stainless steel

Teknisk information

HSS-E = High-speed stål klasse E
 Form B = Ansnit 5 gevind, til gennemgående huller
 35° RSP = Ansnit 2 gevind, til bund huller
 DIN 371 / 376 • For metrisk ISO gevind DIN 13, tolerance 6H

Anvendelse

Til skæring af indvendige gevind.

Technical Information

HSS-E = High-speed-steel E-class
 Form B = 5-pitch chamfer, spiral point for through holes
 35° RSP = 2-pitch chamfer with 35° spiral flute for blind holes
 DIN 371 / 376 • For metric ISO-thread DIN 13, tolerance 6H

Application

For cutting internal threads.

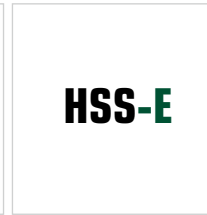
M	mm	mm	mm	mm	mm	mm	mm	CODE	CODE
								FORM B	35° RSP
Forstærket skaft - DIN 371									
M 3,0	0,50	2,50	11	56	3,5	2,7	42291		43641
M 4,0	0,70	3,30	13	63	4,5	3,4	42292		43642
M 5,0	0,80	4,20	16	70	6,0	4,9	42293		43643
M 6,0	1,00	5,00	19	80	6,0	4,9	42294		43644
M 8,0	1,25	6,75	22	90	8,0	6,2	42295		43645
M 10,0	1,50	8,50	24	100	10,0	8,0	42296		43646
Overløbs skaft - DIN 376									
M 12,0	1,75	10,25	29	110	9,0	7,0	42297		43647
M 14,0	2,00	12,00	30	110	11,0	9,0	42298		43648
M 16,0	2,00	14,00	32	110	12,0	9,0	42299		43649
M 18,0	2,50	15,50	34	125	14,0	11,0	42300		43650
M 20,0	2,50	17,50	34	140	16,0	12,0	42301		43651
M 22,0	2,50	19,50	34	140	18,0	14,5	42302		43652
M 24,0	3,00	21,00	38	160	18,0	14,5	42303		43653

Anvendelse BLÅ RING | Application BLUE RING

Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Staal	VA Staal	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skæreoile	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
						●	●						●	●	●		

● Anbefalet | recommended ○ Delvist egnet | partly suitable

Trapez-gevind | Trapezoidal thread



Teknisk information

HSS-E = High-speed stål klasse E

DIN 103 • Til metrisk ISO trapezgevind, tolerance 7H

Anvendelse

Til skæring af indvendige gevind.

Technical Information

HSS-E = High-speed-steel E-class

DIN 103 • For metric ISO trapezoidal thread, tolerance 7H

Application

For cutting internal threads.

Tr	mm	mm	mm	mm	mm	mm	CODE	
10	2	8,20	70	115	7,0	5,5	03402	
12	3	9,25	90	147	9,0	7,0	03403	
14	3	11,25	95	150	10,0	8,0	03404	
16	4	12,25	120	196	12,0	9,0	03405	
18	4	14,25	124	200	14,0	11,0	03406	
20	4	16,25	128	204	16,0	12,0	03407	
22	5	17,25	145	240	17,0	13,0	03408	
24	5	19,25	150	245	19,0	14,5	03409	
26	5	21,25	155	250	21,0	16,0	03410	
28	5	23,25	160	255	23,0	18,0	03411	
30	6	24,25	174	288	24,0	18,0	03412	
32	6	26,25	180	294	26,0	20,0	03413	

Anvendelse Nut taps | Application NUT TAPS

Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Ståhl	VA Ståhl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	●	●	●	○		●		○	●	●	●		●	●	●		

● Anbefalet | recommended ○ Delvist egnet | partly suitable

Metrisk | Metric



Teknisk information

HSS-E = High-speed stål klasse E
Til metrisk ISO gevind DIN13, tolerance 6H

Anvendelse

Kernehulboring og gevind i 1 arbejdsgang.

Technical Information

HSS-E = High-speed-steel E-class
For metric ISO-thread DIN 13, tolerance 6H

Application

Drill core holes and tap the thread all in 1 working step.

M	mm	mm	mm	mm	mm	CODE	
M 3	0,50	56	11	3,0	2,4	03441	
M 4	0,70	63	14	4,0	3,0	03442	
M 5	0,80	71	18	5,0	3,8	03443	
M 6	1,00	80	22	6,0	4,9	03444	
M 8	1,25	95	25	8,0	6,2	03445	
M 10	1,50	106	31	10,0	8,0	03446	
M 12	1,75	115	35	12,0	9,0	03447	

Andre størrelser kan fås på forespørgsel | Other sizes available on request

Kombitap-sæt i kassette | Set of Combined Taps

M	Uden foto Without foto
HSS-E	

INHALT	CODE	
Kombi tap Combined Taps: M3 - M4 - M5 - M6 - M8 - M10 - M12	03448	

Teknisk information

HSS-E = High-speed stål klasse E
Til metrisk ISO-gevind DIN 13, tolerance 6H

Anvendelse

Kernehulboring og gevind i 1 arbejdsgang.

Technical Information

HSS-E = High-speed-steel E-class
For metric ISO-thread DIN 13, tolerance 6H

Application

Drill core holes and tap the thread all in 1 working step.

Skæredata for kombitap | Application Combined Taps

Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Stahl	VA Stahl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	○					○			○		●		●				

● Anbefalet | recommended ○ Delvist egnet | partly suitable

Rulle-tap | Non-Cutting threading

Fordele

- Ingen fastklemning af materialet i spånkammer, fordi der ikke er nogen riller
- Ingen spåner på grund af design
- Stabil præcision ved høj output
- Højere hastighed - mindre cyklus tid muligt
- Ingen brud på fiber retningen i materiale under bearbejdelse

Advantages

- No squeeze of the material at the chip because there are no flutes
- No chips because of chip-less forming
- Stable exactness at high output
- Higher speed – smaller cycle time possible

Materialebehandling

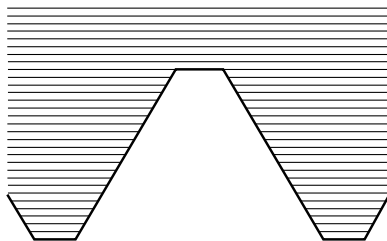
Ikke-jernholdigt metal (bronze, kobber, messing), Aluminiumslegering (op til 12% Si-del), Rustfrit stål op til 900 N/mm²

Material treatment

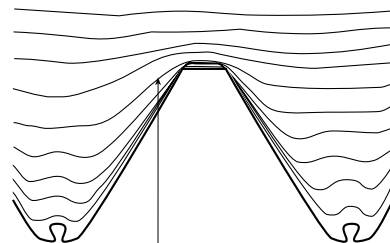
Non-ferrous metal (bronze, copper, brass), Aluminium-alloy (up to 12 % Si-part), Stainless steel up to 900 N/mm²

Spånløs gevindforming | Non-Cutting producing

Materiale struktur ved gevindskæring
Material structure at thread cutting



Materiale struktur ved gevindforming
Material structure at thread forming



Materiale strukturen forbliver intakt
The material structure keeps in tact

Kvalitetskarakteristik: lille hak ved punktet
Quality characteristic: small notch at the point

Metrisk | Metric



Teknisk information

HSS-E = High-speed stål klasse E
Form D = Ansnit 4-6 gevind, spiralhals, til gennemgående og bund huller
TIN = Med titanium-nitrid belægning

DIN 371 / 376 • Til metrisk ISO gevind DIN 13, tolerance 6H

Technical Information

HSS-E = High-speed-steel E-class
Form B = 4 - 6-pitch chamfer, spiral point for through and blind holes
TIN = With titanium-nitride coating

DIN 371 / 376 • For metric ISO-thread DIN 13, tolerance 6H

M	mm	mm	mm	mm	CODE	CODE
Forstærket skaft - DIN 371						
M 3,0	0,50	2,80	10	56	03631	03611
M 4,0	0,70	3,70	12	63	03632	03612
M 5,0	0,80	4,65	14	70	03633	03613
M 6,0	1,00	5,55	19	80	03634	03614
M 8,0	1,25	7,45	22	90	03635	03615
M 10,0	1,50	9,35	24	100	03636	03616
Overløbs skaft - DIN 376						
M 12,0	1,75	11,20	29	110	03637	03617

Maskintappe i sæt Machine Tap Sets



Metrisk | Metric

Maskintappe i sæt • Machine Taps

M	
HSS-E	
Form B	
Universal brug	

Maskinspånbrøder-tap Machine Taps: M3 - M4 - M5 - M6 - M8 - M10 - M12	05112

M	
HSS-E	
35°	
Universal brug	

Maskinspiral-tap Machine Taps: M3 - M4 - M5 - M6 - M8 - M10 - M12	05117

M	
HSS-E	
Form B	
Universal brug	

Maskinspånbrøder-tap Machine Taps: M3 - M4 - M5 - M6 - M8 - M10 - M12 + Med gevindbor Twist Drills: 2,5 - 3,3 - 4,2 - 5 - 6,8 - 8,5 - 10,2	05118

M	
HSS-E	
35°	
Universal brug	

Maskinspiral-tap Machine Taps: M3 - M4 - M5 - M6 - M8 - M10 - M12 + Med gevindbor Twist Drills: 2,5 - 3,3 - 4,2 - 5 - 6,8 - 8,5 - 10,2	05119

Maskingevind-tappe lang version

Machine Taps long version



Metrisk | Metric



Teknisk information

HSS-E = High-speed stål klasse E
 Form B = Ansni 5 gevind, til gennemgående huller
 DIN 371 / 376 • Til metrisk ISO gevind DIN 13, tolerance 6H

Technical Information

HSS-E = High-speed-steel E-class
 Form B = 5-pitch chamfer, spiral point for through holes
 DIN 371 / 376 • For metric ISO-thread DIN 13, tolerance 6H

Anvendelse

Til skæring af indvendige gevind.

Application

For cutting internal threads.

M	mm	mm	mm	mm	mm	mm	CODE	
Forstærket skaft - DIN 371								
M 3,0	0,50	2,50	10	100	3,5	2,7	43731	
M 4,0	0,70	3,30	12	120	4,5	3,4	43732	
M 5,0	0,80	4,20	14	140	6,0	4,9	43733	
M 6,0	1,00	5,00	16	160	6,0	4,9	43734	
M 8,0	1,25	6,75	18	180	8,0	6,2	43735	
Overløbs skaft - DIN 376								
M 10,0	1,50	8,50	20	200	7,0	5,5	43736	
M 12,0	1,75	10,25	22	220	9,0	7,0	43737	
M 14,0	2,00	12,00	25	220	11,0	9,0	43738	
M 16,0	2,00	14,00	28	220	12,0	9,0	43739	
M 18,0	2,50	15,50	32	250	14,0	11,0	43740	
M 20,0	2,50	17,50	32	250	16,0	12,0	43741	
M 22,0	2,50	19,50	32	250	18,0	14,5	43742	
M 24,0	3,00	21,00	36	250	18,0	14,5	43743	

LANG VERSION Application LONG VERSION																	
Bygningsstål	Bygningsstål	Skærende stål	Hærdet stål	Legeret stål	Hærdet stål	VA Stahl	VA Stahl	Værktøjs stål	Støbejern	Kobber	Alu + Legering	Uni	Skære olie	Emulsion	Minimal smøring	Tør bearbejdning	Trykluft
Structural steel	Structural steel	Free-cutting steel	Tempered steel	Alloyed steel	Hardened steel	VA steel	VA steel	Tool steel	Cast iron	Copper	Aluminium + alloy	Uni	Cutting oil	Emulsion	Minimum lubrication	Dry machining	Compressed air
≤ 500 N/mm ²	> 500 N/mm ²	≤ 1000 N/mm ²	≤ 1000 N/mm ²	≤ 1200 N/mm ²	40 - 60 HRC	≤ 850 N/mm ²	> 850 N/mm ²	≤ 1000 N/mm ²	≤ 300 HB	≤ 400 N/mm ²	≤ 450 N/mm ²						
●	●	●	○					○		○			●	●	●		

● Anbefalet | recommended ○ Delvist egnet | partly suitable



Gevindbakker UNF DIN EN 22568

Circular Dies DIN EN 22568



UNF | UNF



Teknisk information

HSS = High-speed stål • DIN 223 B = EN 22568
Til UNF gevind, tolerance 2A

Technical Information



HSS = High-speed-steel • DIN 223 B = EN 22568
For UNF thread (Unified fine thread), tolerance 2A

Anvendelse

Runde gevindbakker til at skære udvendig gevind.

Application

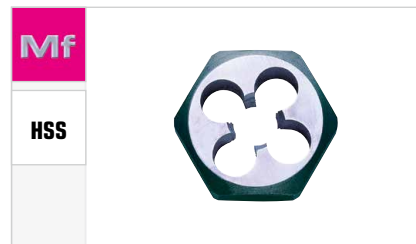
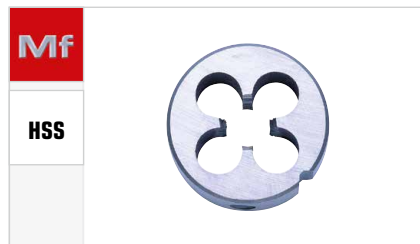
Circular Dies for cutting external threads.

UNF				CODE	
No. 4	48	2,77	20 x 5	04405	
No. 5	44	3,10	20 x 5	04406	
No. 6	40	3,42	20 x 5	04407	
No. 8	36	4,08	20 x 5	04408	
No. 10	32	4,73	20 x 7	04409	
No. 12	28	5,38	20 x 7	04410	
1/4	28	6,24	20 x 7	04411	
5/16	24	7,82	25 x 9	04412	
3/8	24	9,41	30 x 11	04413	
7/16	20	10,98	30 x 11	04414	
1/2	20	12,56	38 x 10	04415	
9/16	18	14,14	38 x 10	04416	
5/8	18	15,73	45 x 14	04417	
3/4	16	18,89	45 x 14	04418	
7/8	14	22,05	55 x 16	04419	
1	14 (NS)	25,16	55 x 16	04420	
1	12	25,21	55 x 16	04421	

Andre størrelser fås på forespørgsel | Other sizes available on request



Metrisk fin-gevind | Metric fine



Teknisk information

HSS = High-speed stål
 Runde bakker DIN 223 B = EN 22568 • 6-kant skærebakke DIN 382
 Til metrisk ISO fin-gevind DIN 13, tolerance 6g

Anvendelse

Runde bakker til skæring af udvendig gevind – 6-kant skærebakke kan bruges til at reparere eller udvide tap på eksisterende gevind.
 Dimensioner for kabelforskringer.

Technical Information

HSS = High-speed-steel
 Circular Dies DIN 223 B = EN 22568 • Hexagon Die Nuts DIN 382
 For metric ISO-fine thread DIN 13, tolerance 6g

Application

Circular Dies for cutting external threads – Hexagon Die Nuts can be used to repair or extend the tap on existing threads.
 For cable connections.

Mf	mm	mm	mm	CODE		CODE		mm	CODE	
Mf 3,0	0,35	2,94	20 x 5	03901				19 x 5	04701	
Mf 3,5	0,35	3,44	20 x 5	03902						
Mf 4,0	0,35	3,94	20 x 5	03903						
Mf 4,0	0,50	3,93	20 x 5	03904				19 x 5	04702	
Mf 5,0	0,50	4,93	20 x 5	03905				19 x 5	04703	
Mf 5,0	0,75	4,90	20 x 7	03906						
Mf 6,0	0,50	5,93	20 x 5	03907						
Mf 6,0	0,75	5,90	20 x 7	03908		04021		19 x 5	04704	
Mf 7,0	0,75	6,90	25 x 9	03909				22 x 9	04705	
Mf 8,0	0,50	7,93	25 x 9	03910						
Mf 8,0	0,75	7,90	25 x 9	03911		04022		22 x 9	04706	
Mf 8,0	1,00	7,83	25 x 9	03912		04023		22 x 9	04707	
Mf 9,0	0,75	8,90	25 x 9	03913						
Mf 9,0	1,00	8,88	25 x 9	03914				22 x 9	04708	
Mf 10,0	0,75	9,93	30 x 11	03915						
Mf 10,0	1,00	9,88	30 x 11	03916		04024		27 x 11	04709	
Mf 10,0	1,25	9,86	30 x 11	03917						
Mf 11,0	1,00	10,88	30 x 11	03918				27 x 11	04710	
Mf 11,0	1,25	10,87	30 x 11	03919						
Mf 12,0	0,75	11,90	38 x 10	03920						
Mf 12,0	1,00	11,88	38 x 10	03921				36 x 10	04711	
Mf 12,0	1,25	11,86	38 x 10	03922				36 x 10	04712	
Mf 12,0	1,50	11,85	38 x 10	03923		04025		36 x 10	04713	
Mf 13,0	1,00	12,88	38 x 10	03924						
Mf 13,0	1,50	12,85	38 x 10	03925						
Mf 14,0	0,75	13,91	38 x 10	03926						
Mf 14,0	1,00	13,88	38 x 10	03927				36 x 10	04714	
Mf 14,0	1,25	13,86	38 x 10	03928				36 x 10	04715	
Mf 14,0	1,50	13,86	38 x 10	03929		04026		36 x 10	04716	
Mf 15,0	1,00	14,88	38 x 10	03930						
Mf 15,0	1,50	14,85	38 x 10	03931						
Mf 16,0	1,00	15,88	45 x 14	03932						
Mf 16,0	1,25	15,86	45 x 14	03933						
Mf 16,0	1,50	15,85	45 x 14	03934		04027		41 x 14	04717	
Mf 18,0	1,00	17,88	45 x 14	03935						
Mf 18,0	1,25	17,86	45 x 14	03936						
Mf 18,0	1,50	17,85	45 x 14	03937		04028		41 x 14	04718	
Mf 18,0	2,00	17,82	45 x 14	03938				41 x 14	04719	
Mf 20,0	1,00	19,88	45 x 14	03939						
Mf 20,0	1,25	19,86	45 x 14	03940						
Mf 20,0	1,50	19,85	45 x 14	03941		04029		41 x 14	04720	
Mf 20,0	2,00	19,82	45 x 14	03942				41 x 14	04721	
Mf 21,0	1,50	20,85	45 x 14	03943						
Mf 22,0	1,00	21,88	55 x 16	03944						



Metrisk gevind | Metric



Teknisk information

HSS = High-speed-stål
 HSS-E = High-speed-stål klasse E
 VA = For VA materialer + rustfrit stål
 Runde bakker DIN 223 B = EN 22568 • 6-kant skærebakke DIN 382
 Til metrisk ISO-gevind DIN 13, tolerance 6g

Anvendelse

Runde bakker til skæring af udvendig gevind – 6-kant skærebakke kan bruges til at reparere eller udvide tap på eksisterende gevind.

Technical Information

HSS = High-speed-steel
 HSS-E = High-speed-steel E-class
 VA = For VA materials + stainless steel
 Circular Dies DIN 223 B = EN 22568 • Hexagon Die Nuts DIN 382
 For metric ISO-thread DIN 13, tolerance 6g

Application

Circular Dies for cutting external threads – Hexagon Die Nuts can be used to repair or extend the tap on existing threads.

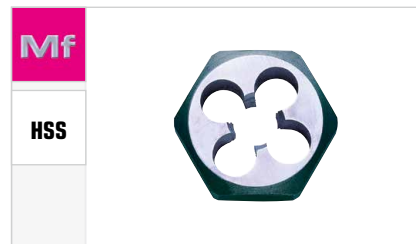
M	mm	mm	mm	CODE		CODE		CODE		mm	CODE	
M 2,0	0,40	1,93	16 x 5	03708								
M 2,2	0,45	2,13	16 x 5	03709								
M 2,3	0,40	2,23	16 x 5	03710								
M 2,5	0,45	2,43	16 x 5	03711								
M 2,6	0,45	2,53	16 x 5	03712								
M 3,0	0,50	2,92	20 x 5	03713		03761		03801		19 x 5	04601	
M 3,5	0,60	3,41	20 x 5	03714						19 x 5	04602	
M 4,0	0,70	3,91	20 x 5	03715		03762		03802		19 x 5	04603	
M 4,5	0,75	4,41	20 x 7	03716						19 x 7	04604	
M 5,0	0,80	4,90	20 x 7	03717		03763		03803		19 x 7	04605	
M 6,0	1,00	5,88	20 x 7	03719		03764		03804		19 x 7	04606	
M 7,0	1,00	6,88	25 x 9	03720						22 x 9	04607	
M 8,0	1,25	7,87	25 x 9	03721		03765		03805		22 x 9	04608	
M 9,0	1,25	8,87	25 x 9	03722						22 x 9	04609	
M 10,0	1,50	9,85	30 x 11	03723		03766		03806		27 x 11	04610	
M 11,0	1,50	10,85	30 x 11	03724						27 x 11	04611	
M 12,0	1,75	11,83	38 x 14	03725		03767		03807		36 x 14	04612	
M 14,0	2,00	13,82	38 x 14	03726		03768		03808		36 x 14	04613	
M 16,0	2,00	15,82	45 x 18	03727		03769		03809		41 x 18	04614	
M 18,0	2,50	17,79	45 x 18	03728		03770		03810		41 x 18	04615	
M 20,0	2,50	19,79	45 x 18	03729		03771		03811		41 x 18	04616	
M 22,0	2,50	21,79	55 x 22	03730		03772				50 x 22	04617	
M 24,0	3,00	23,77	55 x 22	03731		03773				50 x 22	04618	
M 27,0	3,00	26,77	65 x 25	03732						60 x 25	04619	
M 30,0	3,50	29,73	65 x 25	03733						60 x 25	04620	
M 33,0	3,50	32,73	65 x 25	03734						60 x 25	04621	
M 36,0	4,00	35,70	65 x 25	03735						60 x 25	04622	

Andre størrelser fås på forespørgsel | Other sizes available on request

= **Værktøjer til kabelforbindelser**
= **Tools for cable connections**



Metrisk gevind | Metric fine



Fortsat

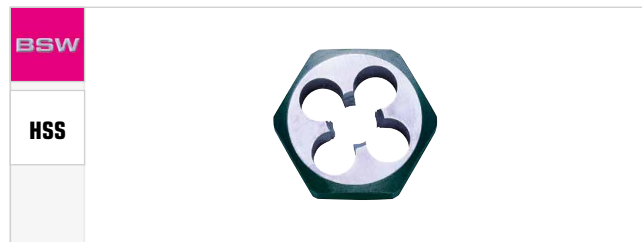
Continuation

Mf	mm	mm		CODE		CODE			CODE	
Mf 22,0	1,25	21,85	55 x 16	03945						
Mf 22,0	1,50	21,85	55 x 16	03946		04030		50 x 16	04722	
Mf 22,0	2,00	21,82	55 x 16	03947				50 x 16	04723	
Mf 23,0	1,50	22,85	55 x 16	03948						
Mf 24,0	1,00	23,88	55 x 16	03949						
Mf 24,0	1,25	23,86	55 x 16	03950						
Mf 24,0	1,50	23,85	55 x 16	03951		04031		50 x 16	04724	
Mf 24,0	2,00	22,82	55 x 16	03952				50 x 16	04725	
Mf 25,0	1,50	24,85	55 x 16	03953						
Mf 26,0	1,00	25,88	55 x 16	03954						
Mf 26,0	1,50	25,85	55 x 16	03955				60 x 18	04726	
Mf 26,0	2,00	25,82	55 x 16	03956						
Mf 27,0	1,50	26,85	65 x 18	03957				60 x 18	04727	
Mf 27,0	2,00	26,82	65 x 18	03958				60 x 18	04728	
Mf 28,0	1,00	27,88	65 x 18	03959						
Mf 28,0	1,50	27,85	65 x 18	03960				60 x 18	04729	
Mf 28,0	2,00	27,82	65 x 18	03961						
Mf 29,0	1,50	28,85	65 x 18	03962						
Mf 30,0	1,00	29,88	65 x 18	03963						
Mf 30,0	1,50	29,85	65 x 18	03964				60 x 18	04730	
Mf 30,0	2,00	29,82	65 x 18	03965				60 x 18	04731	
Mf 30,0	3,00	29,76	65 x 25	03966						
Mf 32,0	1,50	31,85	65 x 18	03967				60 x 18	04732	
Mf 33,0	1,50	32,85	65 x 18	03968				60 x 18	04733	
Mf 33,0	2,00	32,82	65 x 18	03969				60 x 18	04734	
Mf 33,0	3,00	32,76	65 x 25	03970						
Mf 34,0	1,50	33,85	65 x 18	03971						
Mf 34,0	2,00	33,82	65 x 18	03972						
Mf 35,0	1,50	34,85	65 x 18	03973				60 x 18	04735	
Mf 36,0	1,50	35,85	65 x 18	03974				60 x 18	04736	
Mf 36,0	2,00	35,82	65 x 18	03975				60 x 18	04737	
Mf 36,0	3,00	35,76	65 x 25	03976				60 x 25	04738	
Mf 38,0	1,50	37,85	75 x 20	03977				70 x 20	04739	
Mf 39,0	1,50	38,85	75 x 20	03978				70 x 20	04740	
Mf 39,0	2,00	38,82	75 x 20	03979				70 x 20	04741	
Mf 39,0	3,00	38,76	75 x 20	03980				70 x 20	04742	
Mf 40,0	1,50	39,85	75 x 20	03981				70 x 20	04743	
Mf 40,0	2,00	39,82	75 x 20	03982				70 x 20	04744	
Mf 40,0	3,00	39,76	75 x 20	03983						
Mf 50,0	1,50	49,82	90 x 22	03993						
Mf 63,0	1,50	62,85	105 x 22	03997						

Andre størrelser fås på forespørgsel | Other sizes available on request



BSW Whitworth-gevind | BSW Whitworth thread



Teknisk information

HSS = High-speed stål
 Runde bakker DIN 223 B = EN 22568 • 6-kant skærebakke DIN 382
 Til Whitworth-gevind DIN 11

Anvendelse

Runde bakker bruges til at skære udvendig gevind - 6-kant skærebakker kan anvendes til reparation og udvidelse af eksisterende gevind.

Technical Information

HSS = High-speed-steel
 Circular Dies DIN 223 B = EN 22568 • Hexagon Die Nuts DIN 382
 For Whitworth thread DIN 11

Application

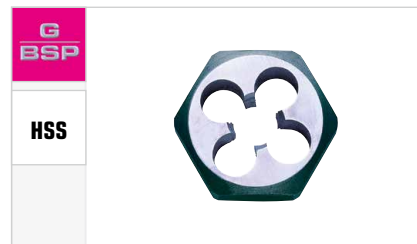
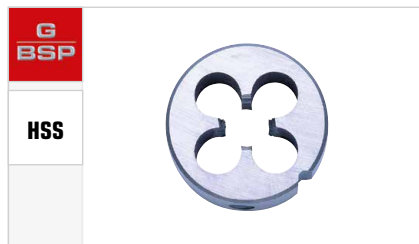
Circular Dies for cutting external threads – Hexagon Die Nuts can be used to repair or extend the tap on existing threads.

BSW	mm	mm	mm	CODE		mm	CODE	
1/16	60	1,51	16 x 5	04101				
3/32	48	2,30	16 x 5	04102				
1/8	40	3,09	20 x 5	04103		19 x 5	04801	
5/32	32	3,88	20 x 5	04104				
3/16	24	4,66	20 x 7	04105		19 x 7	04802	
7/32	24	5,43	20 x 7	04106				
1/4	20	6,24	20 x 7	04107		19 x 7	04803	
5/16	18	7,82	25 x 9	04108		22 x 9	04804	
3/8	16	9,40	30 x 11	04109		27 x 11	04805	
7/16	14	10,98	30 x 11	04110		27 x 11	04806	
1/2	12	12,56	38 x 14	04111		36 x 14	04807	
9/16	12	14,14	38 x 14	04112		36 x 14	04808	
5/8	11	15,72	45 x 18	04113		41 x 18	04809	
3/4	10	18,89	45 x 18	04114		41 x 18	04810	
7/8	9	22,10	55 x 22	04115		50 x 22	04811	
1	8	25,27	55 x 22	04116		50 x 22	04812	

Andre størrelser fås på forespørgsel | Other sizes available on request



BSP Whitworth-Rørgevind (G) | BSP Whitworth pipe thread (G)



Teknisk information

HSS = High-speed stål
 Runde bakker DIN 5158 = EN 24231 • 6-kant skærebakke DIN 382
 Til cylindrisk Whitworth-Rørgevind DIN 259 ISO 228 / Del 1

Anvendelse

Runde gevindbakker til skæring af udvendig gevind 6-kant skærebakker kan anvendes til reparation og udvidelse af eksisterende gevind.

Technical Information

HSS = High-speed-steel
 Circular Dies DIN 5158 = EN 24231 • Hexagon Die Nuts DIN 382
 For cylindrical Whitworth pipe thread DIN 259 ISO 228 / Part 1

Application

Circular Dies for cutting external threads – Hexagon Die Nuts can be used to repair or extend the tap on existing threads.

G BSP	mm Y	mm	mm	CODE		CODE		mm	CODE	
1/8	28	9,62	30 x 11	04201		04231		27 x 11	04851	
1/4	19	13,03	38 x 10	04202		04232		36 x 10	04852	
3/8	19	16,53	45 x 14	04203		04233		41 x 14	04853	
1/2	14	20,81	45 x 14	04204		04234		41 x 14	04854	
5/8	14	22,77	55 x 16	04205		04235		50 x 16	04855	
3/4	14	26,30	55 x 16	04206		04236		50 x 16	04856	
7/8	14	30,06	65 x 18	04207		04237		60 x 18	04857	
1	11	33,07	65 x 18	04208		04238		60 x 18	04858	
1 1/8	11	37,71	75 x 20	04209				70 x 20	04859	
1 1/4	11	41,73	75 x 20	04210				70 x 20	04860	
1 3/8	11	44,14	90 x 22	04211				85 x 22	04861	
1 1/2	11	47,62	90 x 22	04212				85 x 22	04862	
1 3/4	11	53,56	90 x 22	04213				100 x 22	04863	
2	11	59,43	105 x 22	04214				100 x 22	04864	

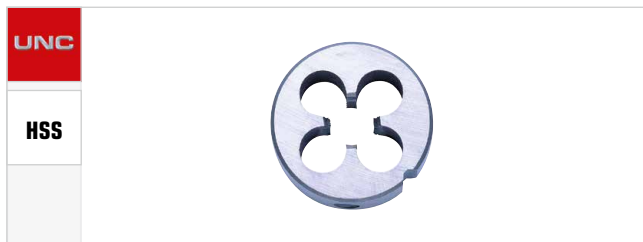
Andre størrelser fås på forespørgsel | Other sizes available on request



Gevindebakker DIN EN 22568 Circular Dies DIN EN 22568



UNC | UNC



Teknisk information

HSS = High-speed stål
DIN 223 B = EN 22568 • Til UNC-gevind, tolerance 2A

Technical Information

HSS = High-speed-steel
DIN 223 B = EN 22568 • For UNC thread (Unified coarse thread), tolerance 2A

Anvendelse

Runde bakker til skæring af udvendig gevind.

Application

Circular Dies for cutting external threads.

UNC	mm	mm	mm	CODE	
No. 4	40	2,76	20 x 5	04304	
No. 5	40	3,09	20 x 5	04305	
No. 6	32	3,41	20 x 5	04306	
No. 8	32	4,07	20 x 5	04307	
No. 10	24	4,71	20 x 7	04308	
No. 12	24	5,37	20 x 7	04309	
1/4	20	6,22	20 x 7	04310	
5/16	18	7,80	25 x 9	04311	
3/8	16	9,37	30 x 11	04312	
7/16	14	10,95	30 x 11	04313	
1/2	13	12,52	38 x 14	04314	
9/16	12	14,10	38 x 14	04315	
5/8	11	15,68	45 x 18	04316	
3/4	10	18,84	45 x 18	04317	
7/8	9	22,00	55 x 22	04318	
1	8	25,16	55 x 22	04319	

Andre størrelser fås på forespørgsel | Other sizes available on request

Tap udtrækker



Teknisk information

Gevindudtrækker Typ 3 er beregnet til gevindbor med 3 riller

Fordele

En gevind udtrækker er et ideelt værktøj til at fjerne en brækket gevindtap - du sparer tid og penge.

Technical Information

Gewindekronen Typ 3 for Taps with 3 flutes

Application

Professional tool for removing broken taps. Parts are often very cost-intensive and broken taps requires a lot of time and money to remove to prevent the part from becoming scrap.

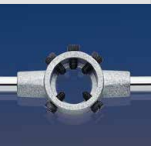
Anvendelse | Application



1. For at fjerne den brækkede tap, indsættes gevind udtrækkerens ben i sporene i den brudte tap - det kan være nødvendigt med lette hammerslag.
2. Med et vindejern løsnes den brækkede tap med blide frem- og tilbage bevægelser med gevind udtrækkeren.
3. Eventuelle små brudstykker fra gevindtappen skal fjernes før den brudte tap tages ud. Hvis de ikke fjernes kan det være vanskeligt at fjerne tappen og gevind udtrækkeren vil sandsynligvis blive beskadiget.
4. Fjern den brækkede tap ved at dreje i modsatte retning end tappen løber. Fortsæt forsigtigt - især ved små taps.

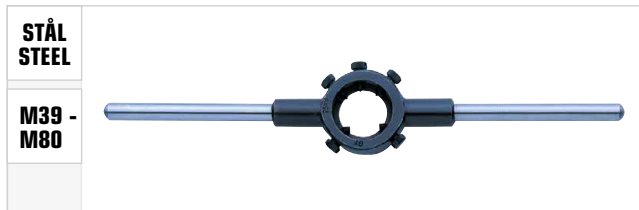
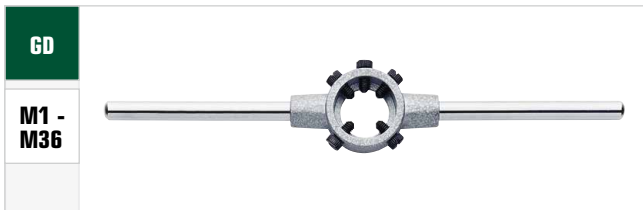
1. To remove the broken tap, insert the webs of the Gewindekronen in the grooves of the broken bit, assist with light blows of a hammer if necessary.
2. Using a tap wrench, loosen the broken tap in the part with slow to and fro moves of the Gewindekronen.
3. Smaller tap fragments must be removed with a marking or similar tool before the broken tap is taken out because if they are not removed, the fragments make pulling out the tap more difficult and are likely to damage the Gewindekronen.
4. Remove the broken pieces from the part by turning in opposite direction of the tap run. Proceed with care especially with small bits.

TYP	Gr.	i	CODE	
3	0	M 3	60201	
3	1	M 4	60202	
3	2	M 5	60203	
3	3	M 6	60204	
3	4	M 8	60205	
3	5	M10	60206	
3	6	M12	60207	
3	7	M14	60208	
3	8	M16	60209	
3	9	M20	60210	



Bakkeholder til runde bakker DIN EN 22568

Holder for Circular Dies DIN EN 22568



Teknisk information

GD = trykstøbt zink (GD)
 STÅL = hærdet støbejern (GT)

Anvendelse

Til montering af lukkede og runde bakker med slids
 DIN 223 / 5158 • EN 22568 / 24230 / 24231

Technical Information

GD = made of zinc pressure casting (GD)
 STEEL = made of tempered pressure casting (GT)

Application

For mounting closed and slotted circular dies
 DIN 223 / 5158 • EN 22568 / 24230 / 24231

M	Mf	BSW	G BSP			CODE		CODE	
M 1 - M 2,6		1/16 - 3/32		16 x 5	160	04931			
M 3 - M 4		1/8 - 5/32		20 x 5	200	04932			
M 4,5 - M 6		3/16 - 1/4		20 x 7	200	04933			
M 7 - M 9		5/16	1/16	25 x 9	224	04934			
M 10 - M 11		3/8 - 7/16	1/8	30 x 11	280	04935			
M 12 - M 14		1/2 - 9/16		38 x 14	315	04936			
Mf 10 - Mf 15			1/4	38 x 10	315	04937			
M 16 - M 20		5/8 - 3/4		45 x 18	450	04938			
Mf 16 - Mf 20			3/8 - 1/2	45 x 14	450	04939			
M 22 - M 24		7/8 - 1"		55 x 22	560	04940			
Mf 21 - Mf 26			5/8 - 3/4	55 x 16	560	04941			
M 27 - M 36		1 1/8 - 1 3/8		65 x 25	630	04942			
Mf 27 - Mf 36			7/8 - 1	65 x 18	630	05581			
M 39 - M 42		1 1/2 - 1 5/8		75 x 30	800			04914	
Mf 38 - Mf 42			1 1/8 - 1 1/4	75 x 20	800			04915	
M 45 - M 52		1 3/4 - 2"		90 x 36	900			04916	
Mf 45 - Mf 52			1 1/2	90 x 22	900			04917	
M 56 - M 64		2 1/4 - 2 3/4		105 x 36	1000			04918	
M 55 - M 62			1 3/4 - 2	105 x 22	1000			04919	
M 68 - M 76		2 3/4 - 3"		120 x 36	1000			04920	
M 62 - M 80			2 3/8 - 2 3/4	120 x 22	1000			04921	

Vindejern for gevind tappe DIN 1814 Tapwrenches DIN 1814



Justerbare vindejern | Adjustable Tapwrenches



Teknisk information

GD = trykstøbt zink (GD)
STÅL = hærdet støbejern (GT)
1 aftagelig arm

Anvendelse

Til gevindskæring på vanskeligt tilgængelige steder. Med dobbeltkæbe til firkant-skaft.

Technical Information

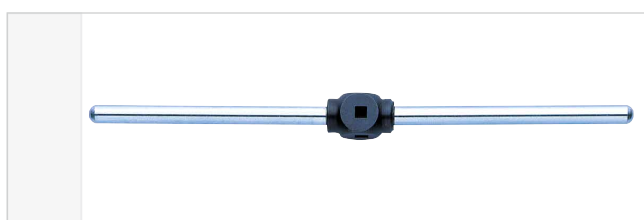
GD = made of zinc pressure casting (GD)
STEEL = made of tempered pressure casting (GT)
1 removable arm

Application

For threading in hard-to-reach positions. With two-jaw chuck for mounting on square shafts.

No.	M	Mf	BSW	G BSP	mm	CODE		CODE	
0	M 1 - M 8		1/16 - 5/16	-	130	04971		04951	
1	M 1 - M 10		1/16 - 3/8	-	175	04972		04952	
1 1/2	M 1 - M 12		1/16 - 1/2	1/8	175	04973		04953	
2	M 3,5 - M 12		5/32 - 1/2	1/8	280	04974		04954	
3	M 5 - M 20		7/32 - 3/4	1/8 - 1/2	375	04975		04955	
4	M 11 - M 27		7/16 - 1	1/4 - 3/4	470	04976		04956	
5	M 13 - M 32		1/2 - 1 1/4	1/4 - 1	700	04977		04957	
6	M 18 - M 42		3/4 - 1 1/2	1/2 - 1 1/4	1000			04958	
7	M 25 - M 52		1 - 1/8	3/4 - 1 3/4	1250			04959	
8	M 25 - M 64		1 - 2 1/2	3/4 - 3	1250			04960	

Kuglevindejern | Ball Tapwrenches



Teknisk information

Aftagelige arme. Hus af zinkgods.

Anvendelse

Ideel til hurtig montage af tappe med firkant.

Technical Information

Removable arms. Housing in zinc diecasting.

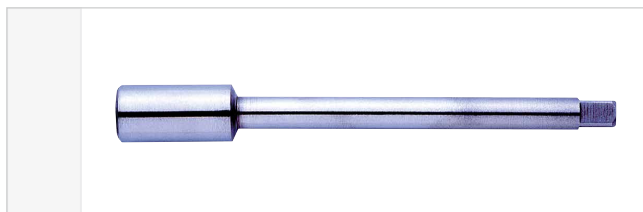
Application

For directly holding of thread tool with size of square.

No.	M	BSW	mm	CODE	
0	M 1 - M 4	1/16 - 5/32	200	04991	
1	M 3,5 - M 8	5/32 - 5/16	200	04992	
2	M 4 - M 10	5/32 - 3/8	240	04993	
3	M 5 - M 12	7/32 - 1/2	300	04994	
4	M 9 - M 16	3/8 - 5/8	340	04995	
5	M 12 - M 20	1/2 - 13/16	450	04996	
6	M 18 - M 27	11/16 - 1	650	04997	

Gevindtap forlænger DIN 377

Tap Extension DIN 377



Teknisk information

DIN 377 • Firkantet indvendig og udvendig • Udført i hærdet poleret stål

Anvendelse

Forlænger til tap/ håndgevindbor

Technical Information

DIN 377 • Square internal and external section • Hardened and ground

Application

For Tap lengthening

mm	M	Mf	BSW	G BSP	mm	CODE	
2,1	M 1 - M 2,6		1/16 - 3/32		60	05001	
2,4					70	05002	
2,7	M 3		1/8		80	05003	
3,0	M 3,5				90	05004	
3,4	M 4		5/32		95	05005	
3,8	M 4,5				100	05006	
4,3			3/16		105	05007	
4,9	M 5 - M 8		7/32 - 5/16		110	05008	
5,5	M 9 - M 10		3/8	1/8	115	05009	
6,2	M 11		7/16		120	05010	
7,0	M 12		1/2		125	05011	
8,0					130	05012	
9,0	M 13 - M 16		9/16 - 5/8	1/4 - 3/8	135	05013	
10,0					140	05014	
11,0	M 18		11/16 - 3/4		150	05015	
12,0	M 20		13/16	1/2	155	05016	
13,0					165	05017	
14,5	M 22 - M 26		7/8 - 15/16	5/8	175	05018	
16,0	M 27 - M 28		1	3/4	185	05019	
18,0	M 30 - M 32		1 1/8	7/8	195	05020	
20,0	M 33		1 1/4	1	210	05021	
22,0	M 34 - M 38		1 3/8	1 1/8	220	05022	
24,0	M 39 - M 42		1 1/2 - 1 5/8	1 1/4	235	05023	
26,0					250	05024	
29,0	M 45 - M 50		1 3/4 - 1 7/8	1 3/8 - 1 1/2	265	05025	
32,0	M 52		2	1 3/4	285	05026	

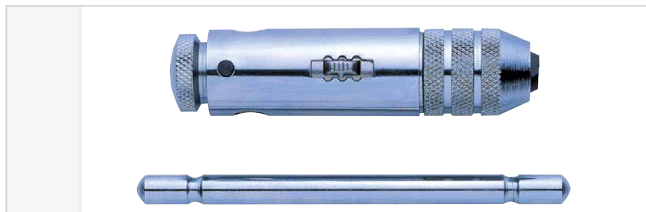


Topvindejern med skralde Tapwrenches with ratchet



Topvindejern med skralde • • Tool holder

Topvindejern med skralde | Tapwrenches with ratchet



Teknisk information

Stilbar til højre og venstre, lang eller kort version.

Artikel 05040 kan bruges til at holde 6-kant skafte DIN 3126.

Anvendelse

Til brug på steder der er vanskeligt tilgængelige. Med 2 kæber til montering af firkantede skafte.

Technical Information

Right- and left-hand, long and short versions for Taps.

Article 05040 can be used for holding of hexagon shanks DIN 3126.

Application

For threading in hard-to-reach positions. With two-jaw chuck for mounting on square shafts.

No.	M	BSW	G BSP	mm	CODE	
kort short (PRODUCERET I TYSKLAND)						
1	M 3 - M 10	1/8 - 3/8		85	05039	
2	M 5 - M 12	7/32 - 1/2	1/8	100	05040	
kort short						
1	M 3 - M 10	1/8 - 3/8		85	05041	
2	M 5 - M 12	7/32 - 1/2	1/8	100	05042	
lang long						
10	M 3 - M 10	1/8 - 3/8		250	05043	
20	M 5 - M 12	7/32 - 1/2	1/8	300	05044	

Topvindejern med skralde | Tapwrenches with ratchet



Teknisk information

Stilbar til højre og venstre, lang eller kort version.

Artikel 05038 kan bruges til at holde 6-kant skafte efter DIN 3126.

Anvendelse

Til brug på steder der er vanskeligt tilgængelige. Med 2 kæber til montering af firkantede skafte.

Technical Information

Right- and left-hand, long and short versions for Taps.

Article 05038 can be used for holding of hexagon shanks DIN 3126.

Application

For threading in hard-to-reach positions. With two-jaw chuck for mounting on square shafts.

No.	M	mm	CODE	
3	BIG M 13 - M 20	117	05038	

Skrueudtrækker | Screw Extractors



Teknisk information

Fremstillet af krom-vanadium-stål.

Anvendelse

Til at løsne beskadigede eller knækkede skruer og bolte uden at beskadige gevindet i skruehullet.

Technical Information

Made of chrom-vanadium-steel

Application

Instructions for use: For removing shorn screws in threads

M	G BSP	mm	No.	CODE		
M 3 - M 6	1/8 - 1/4	1,4 - 3,6	1	05121		
M 6 - M 8	1/4 - 5/16	2,1 - 4,9	2	05122		
M 8 - M 11	5/16 - 7/16	3,1 - 6,5	3	05123		
M 11 - M 14	7/16 - 9/16	4,8 - 8,8	4	05124		
M 14 - M 18	9/16 - 3/4	6,2 - 11	5	05125		
M 18 - M 24	3/4 - 1	11 - 14	6	05126		
M 24 - M 33	1 - 1 3/8	14 - 18	7	05127		
M 33 - M 45	1 3/8 - 1 3/4	18 - 24	8	05128		
Sets						
M 3 - M 18	1/8 - 3/4	1,4 - 11	10: 1 - 5	05129		
M 3 - M 24	1/8 - 1	1,4 - 14	20: 1 - 6	05130		
M 3 - M 45	1/8 - 1 3/4	1,4 - 24	30: 1 - 8	05131		

Gevindfil | Thread restoring file



Teknisk information

HSS = High-speed stål

Anvendelse

Til manuel efterbehandling af udvendig gevind på tekniske komponenter, så som skruer, bolte, aksler m.m.

Technical Information

HSS = High-speed-steel

Application

For manual finishing of external threads on technical components such as screws, bolts, shafts and axles, etc.

		mm	CODE	
ISO metrisk	0,8 - 1,0 - 1,25 - 1,5 - 1,75 - 2,0 - 2,5 - 3,0 mm	230	50509	
WW Whitworth	gevind pr. tomme, 24 - 20 - 18 - 16 - 14 - 12 - 11 - 10	230	50510	

HSS | HSS



Teknisk information

HSS = High-speed stål
HSS VAP = Vaporiseret High-speed stål

Technical Information

HSS = High-speed-steel
HSS VAP = High-speed-steel vaporized

Anvendelse

Til gratfri boring og oprømning af plader, rør og profiler.

Application

For drilling and reaming freely of burs of sheet steel, thin-walled tubes and structural steel shapes.

HSS	mm	mm	mm	CODE HSS	CODE HSS	CODE HSS
Gr. 1	3,0 - 14,0	58	6	05201	50101	50111
Gr. 2	4,0 - 20,0	71	8	05202	50102	50112
Gr. 3	16,0 - 30,5	76	9	05203	50103	50113
Gr. 4	24,0 - 40,0	89	10	05204	50106	50114
Gr. 5	36,0 - 50,0	97	12	05205	50107	50115
Gr. 6	40,0 - 61,0	103	12	05206	50108	50116
Gr. L	4,0 - 31,0	103	9	05207	50104	50117
Gr. A	4,0 - 22,5	79	8	05208	50109	50119
Gr. 7	5,0 - 25,4	87	10	05210	50100	50120

HSS-E • High-speed stål | HSS-E • High-speed-steel



Teknisk information

HSS-E = High-speed stål klasse E
HSS-E VAP = Vaporiseret High-speed stål klasse E

Technical Information

HSS-E = High-speed-steel E-class
HSS-E VAP = High-speed-steel E-class vaporized

Anvendelse

Til gratfri boring og oprømning af plader, rør og profiler.

Application

For drilling and reaming freely of burs of sheet steel, thin-walled tubes and structural steel shapes.

HSS-E	mm	mm	mm	CODE HSS-E	CODE HSS-E	CODE HSS-E
Gr. 1	3,0 - 14,0	58	6	05221	05241	05271
Gr. 2	4,0 - 20,0	71	8	05222	05242	05272
Gr. 3	16,0 - 30,5	76	9	05223	05243	05273
Gr. 4	24,0 - 40,0	89	10	05224	05244	50151
Gr. 5	36,0 - 50,0	97	12	05225	05245	50152
Gr. 6	40,0 - 61,0	103	12	05226	05246	50153
Gr. L	4,0 - 31,0	103	9	05227	05247	05274

Trappebor Step Drills



HSS | HSS



Teknisk information

HSS = High-speed stål

Technical Information

HSS = High-speed-steel

TIN	Ekstraordinær overfladehårdhed:	Additional surface hardness:
	<ul style="list-style-type: none"> Overfladehårdhed ca. 2.500 HV Lagtykkelse op til 2 µm Til hårde materialer Forlænget levetid Højere bor-hastighed Temperaturbestandig op til 600° C Reducerer kold svejsning 	<ul style="list-style-type: none"> Surface treatment approx. 2.500 HV Layer Thickness up to 2 µm For hard materials Higher tool life Higher cutting speeds Temperature resistant up to 600° C Reduces cold weldings
TiAlN	Overfladehårdhed ca. 3.500 HV	Additional surface hardness:
	<ul style="list-style-type: none"> Overfladehårdhed ca. 3.500 HV Lagtykkelse op til 4 µm For ekstremt hårdt materiale Optimal levetid Højeste bor-hastighed Temperaturbestandig op til 800° C, Kølemiddel ikke nødvendig Reduceret koldsvejsning 	<ul style="list-style-type: none"> Surface treatment approx. 3.500 HV Layer Thickness up to 4 µm For hardest materials Optimized tool life Highest cutting speeds Temperature resistant up to 800° C, cooling not necessary Reduces cold weldings

Kvalitets egenskaber Quality characteristics	
	Produceret i Tyskland
	Hul- og hastighedsdiameter laser indgraveret på værktøjet Hole- and speed-diameter laser engraved on the tool
	Splitpunkt Split Point

Anvendelse

Til gratfri boring, oprømning og afgratning af plader, rør og profiler i én arbejdsgang.

Application

For drilling and reaming freely of burrs of sheet steel, thin-walled tubes and structural steel shapes and deburring of one side in one step.

					CODE	CODE	CODE
4-12	5	80	6	Bortrappe 1 mm stigning 4-5-6-7-8-9-10-11-12	05321	05343	50061
12-20	4	76	9	12-13-14-15-16-17-18-19-20	05322	05344	50062
20-30	4	88	12	20-21-22-23-24-25-26-27-28-29-30	05323	05345	50063
30-40	4	98	13	30-31-32-33-34-35-36-37-38-39-40	05324	05346	50064
40-50	4	107	13	40-41-42-43-44-45-46-47-48-49-50	05325	05353	50065
50-60	4	120	13	50-51-52-53-54-55-56-57-58-59-60	05326	05354	50066
4-20	4	67	8	2 mm stigning 4-6-8-10-12-14-16-18-20	05328	05347	50067
6-30	4	98	10	6-8-10-12-14-16-18-20-22-24-26-28-30	05329	05348	50068
9-36	3	86	12	3 mm stigning 9-12-15-18-21-24-27-30-33-36	05330	05349	50069

Anvendelse trappebor | Application Step Drills

	Bygningsstål Structural steel ≤ 500 N/mm ²	Bygningsstål Structural steel > 500 N/mm ²	Skærende stål Free-cutting steel ≤ 1000 N/mm ²	Hærdet stål, tempereret Tempered steel ≤ 1000 N/mm ²	Legeret stål Alloyed steel ≤ 1200 N/mm ²	VA Ståh VA steel ≤ 850 N/mm ²	VA Ståh VA steel > 850 N/mm ²	Værktøjsstål Tool steel ≤ 1000 N/mm ²	Støbejern Cast iron ≤ 300 HB	Legering Aluminium + alloy ≤ 450 N/mm ²	Uni	Skæreoile Cutting oil	Emulsion	Minimal smøring Minimum lubrication	Tør bearbejdning Dry machining	Trykluft Compressed air
	●	●	○			○				●	○	●	●		○	
	●	●	●	○		○				●	○	●	●			
	●	●	●	●	●	●	●	●	○	○	○			○	●	○

● anbefalet | recommended ○ delvist egnet | partly suitable

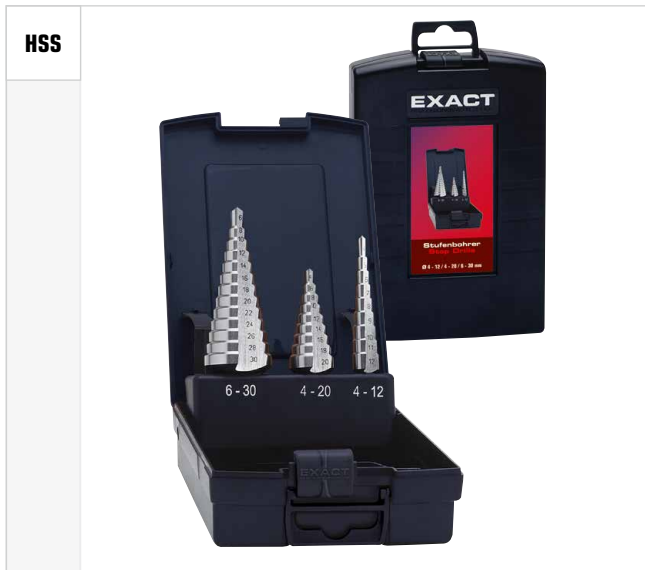


Trappebor i sæt Step Drills



Trappebor • Step Drills

Sæt HSS | Sets HSS



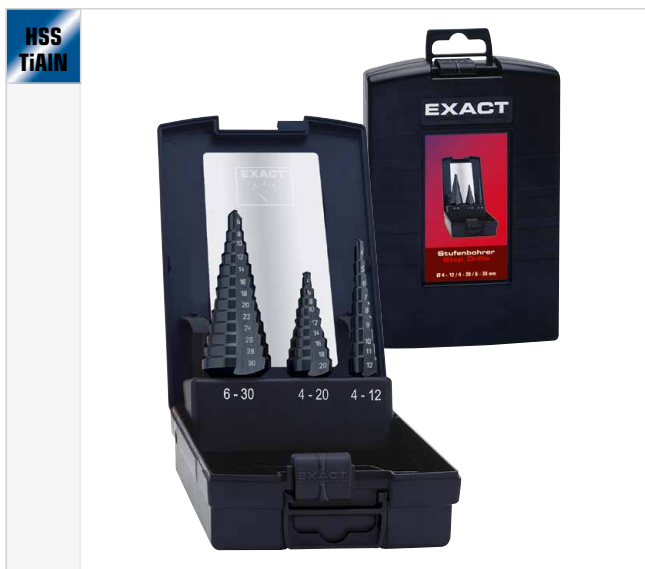
Skaft med 3 flader | 3-flats shaft

	INHALT 4-12 / 12-20 / 20-30 4-12 / 4-20 / 6-30	CODE 05331 05332	



Skaft med 3 flader | 3-flats shaft

	INHALT 4-12 / 12-20 / 20-30 4-12 / 4-20 / 6-30	CODE 05350 05351	

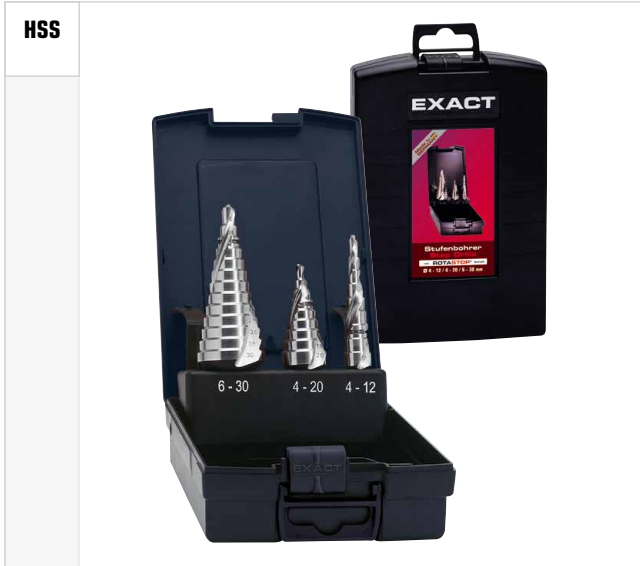


Skaft med 3 flader | 3-flats shaft

	INHALT 4-12 / 12-20 / 20-30 4-12 / 4-20 / 6-30	CODE 50070 50071	

Trappebor med spiral i sæt Step Drills with spiral flute

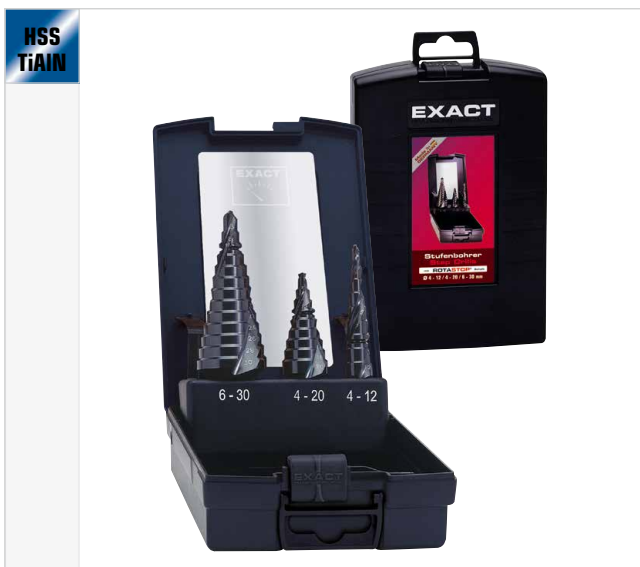
Sæt HSS | Sets HSS



ROTASTOP®-skaft -shaft				
ROTASTOP	INHALT		CODE	
	4-12	Trappebor med 1 mm stigning	07001	
	4-20	Trappebor med 2 mm stigning	07002	
	6-30	Trappebor med 2 mm stigning	07003	
	6-36	Trappebor med 3 mm stigning	07005	
	4-12 / 4-20 / 6-30		07004	



ROTASTOP®-skaft -shaft				
Trappebor ROTASTOP	INHALT		CODE	
	4-12	Trappebor med 1 mm stigning	07011	
	4-20	Trappebor med 2 mm stigning	07012	
	6-30	Trappebor med 2 mm stigning	07013	
	6-36	Trappebor med 3 mm stigning	07015	
	4-12 / 4-20 / 6-30		07014	



ROTASTOP®-skaft -shaft				
ROTASTOP	INHALT		CODE	
	4-12	Trappebor med 1 mm stigning	07021	
	4-20	Trappebor med 2 mm stigning	07022	
	6-30	Trappebor med 2 mm stigning	07023	
	6-36	Trappebor med 3 mm stigning	07025	
	4-12 / 4-20 / 6-30		07024	

Forsænker/reifer i sæt 90° DIN 335 C Countersink 90° DIN 335 C

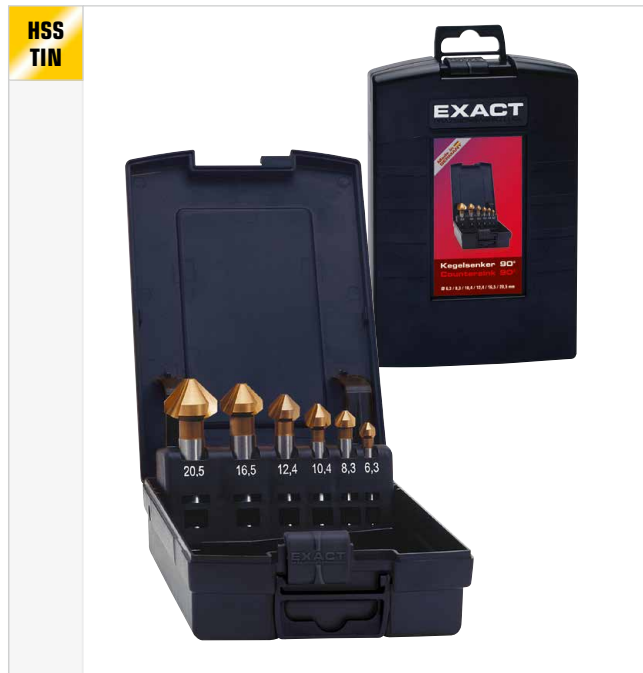


Forsænker/ reifer • Countersinks

Sæt HSS | Sets HSS



INHALT	CODE	
6,3 8,3 10,4 12,4 16,5 20,5	05527	
6,3 10,4 16,5 20,5 25,0	05528	



INHALT	CODE	
6,3 8,3 10,4 12,4 16,5 20,5	05567	
6,3 10,4 16,5 20,5 25,0	05568	



INHALT	CODE	
6,3 8,3 10,4 12,4 16,5 20,5	51127	
6,3 10,4 16,5 20,5 25,0	51128	



INHALT	CODE	
6,3 8,3 10,4 12,4 16,5 20,5	51157	
6,3 10,4 16,5 20,5 25,0	51158	

Forsænker/reifer 120° Countersink 120°



Forsænker/ reifer 120° | Countersinks 120°



Teknisk information

HSS = High-speed stål
 TIN = Med titanium nitrid belægning
 Standard form C • Med cylindrisk skaft og 3 skær

Technical Information

HSS = High-speed-steel
 TIN = With titanium-nitride coating
 Work standard form C • With cylindrical shaft and 3 flutes

Anvendelse

Til forsækning og afgratning

Application

For deburring and countersink

6,3	44,0	5	1,7			51791	
8,3	48,5	6	2,2	50792		51792	
10,4	50,0	6	2,7	50793		51793	
12,4	53,0	8	3,2	50794		51794	
16,5	56,0	10	3,7	50795		51795	
20,5	59,0	10	4,2	50796		51796	
25,0	61,0	10	5,2	50797		51797	

Anvendelse forsænker/reifer 60°/75°/120° Application Countersinks 60°/75°/120°

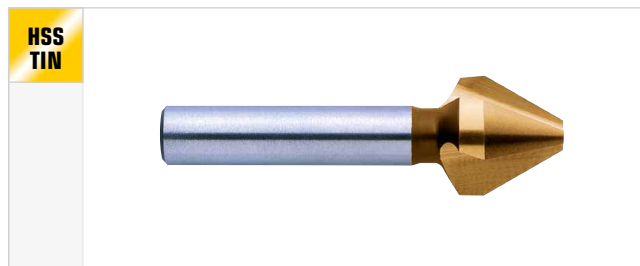
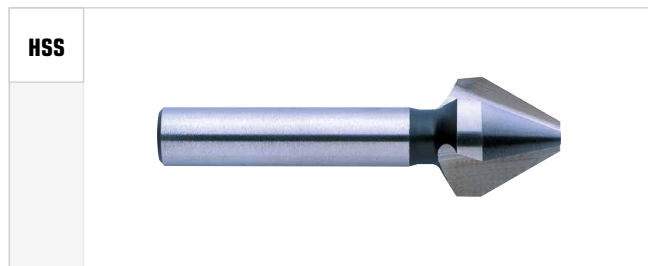
	Bygningsstål Structural steel ≤ 500 N/mm ²	Bygningsstål Structural steel > 500 N/mm ²	Skærende stål Free-cutting steel ≤ 1000 N/mm ²	Hærdet stål, tempereret Tempered steel ≤ 1000 N/mm ²	Legeret stål Alloyed steel ≤ 1200 N/mm ²	Hærdet stål Hardened steel 40 - 60 HRC	VA stål VA steel ≤ 850 N/mm ²	VA stål VA steel > 850 N/mm ²	Værktøjsstål Tool steel ≤ 1000 N/mm ²	støbejern Cast iron ≤ 300 HB	Kobber Copper ≤ 400 N/mm ²	Alu + legering Aluminium + alloy ≤ 450 N/mm ²	Uni Uni	Emulsion Emulsion	Minimal smøring Minimum lubrication	Tør bearbejdning Dry machining
	●	●	○									●				○
	○	●	●				○				○	●	●	●		○
	●	●	○									●				○
	○	●	●				○				○	●	●	●		○
	●	●	○									●				○
	○	●	●				○				○	●	●	●		○

● Anbefalet | recommended ○ Delvist egnet | partly suitable

Forsænker/reifer 60° + 75° Countersink 60° + 75°



Forsænker/reifer 60° | Countersinks 60°



Teknisk information

HSS = High-speed stål
TIN = Med titanium nitrid belægning
DIN 334 C • Med cylindrisk skaft og 3 skær

Technical Information

HSS = High-speed-steel
TIN = With titanium-nitride coating
DIN 334 C • With cylindrical shaft and 3 flutes

Anvendelse

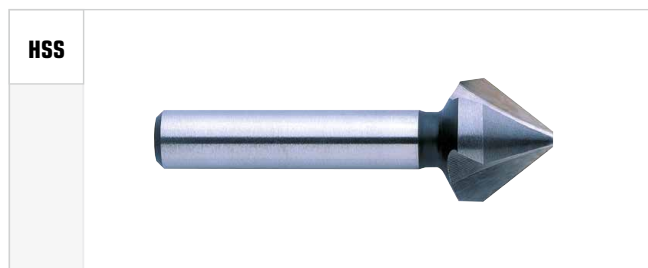
Til forsænkning og afgratning

Application

For deburring and countersink

6,3	45	5	1,7	05581		50751	
8,0	50	6	2,1	05582		50752	
10,0	53	6	2,6	05583		50753	
12,5	56	8	3,3	05584		50754	
16,0	63	10	4,1	05585		50755	
20,5	67	10	5,1	05586		50756	
25,0	71	10	6,4	05587		50757	
31,5	76	12	10,1	05588		50758	

Forsænker/reifer 75° | Countersinks 75°



Teknisk information

HSS = High-speed stål
TIN = Med titanium nitrid belægning
Standard form C • Med cylindrisk skaft og 3 skær

Technical Information

HSS = High-speed-steel
TIN = With titanium-nitride coating
Work standard form C • With cylindrical shaft and 3 flutes

Anvendelse

Til forsænkning og afgratning

Application

For deburring and countersink

6,3	45	5	1,6	50781		51781	
8,3	50	6	2,2	50782		51782	
10,4	51	6	2,7	50783		51783	
12,4	55	8	3,2	50784		51784	
16,5	61	10	3,7	50785		51785	
20,5	65	10	4,2	50786		51786	
25,0	69	10	5,2	50787		51787	

Forsænker/reifer med bitskaft Countersink-Bits



90° | 90°



Teknisk information

HSS = High-speed stål
DIN 335 Form C • 1/4" bitskaft (DIN 3126) og 3 skær

Anvendelse




Til forsænkning og afgratning

Technical Information

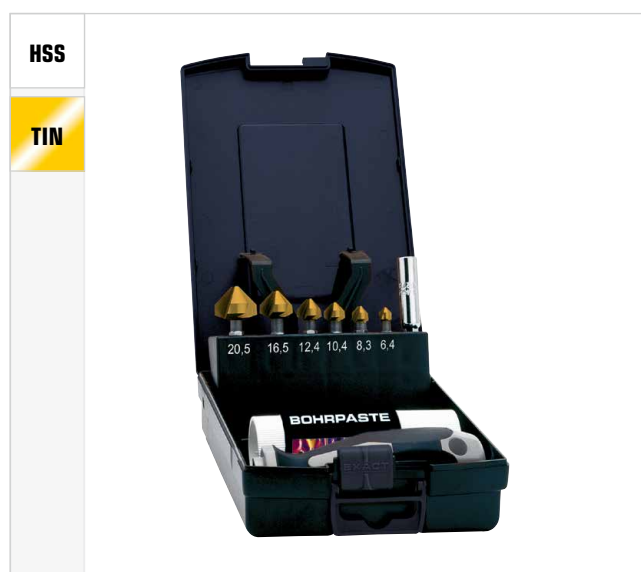
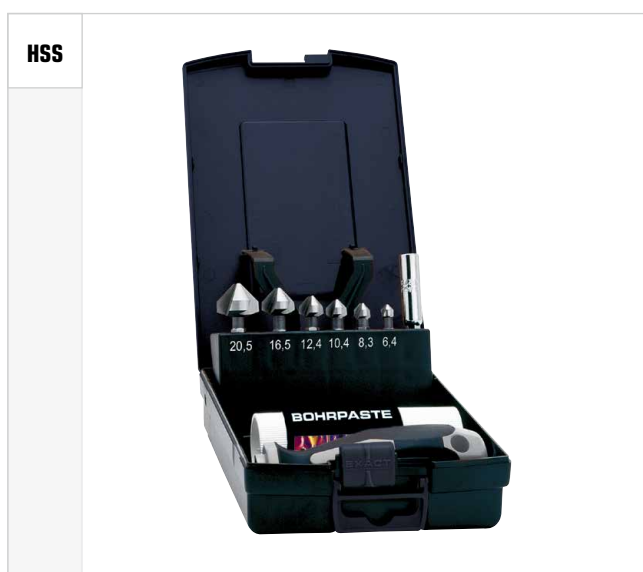
HSS = High-speed-steel
DIN 335 form C • With 1/4 Inch drill shaft (DIN 3126) and 3 flutes


Application


Deburring, chamfering and countersinking

	M		CODE			
6,3	M 3	31	05641		05631	
8,3	M 4	31	05642		05632	
10,4	M 5	34	05643		05633	
12,4	M 6	35	05644		05634	
16,5	M 8	40	05645		05635	
20,5	M 10	41	05646		05636	

Forsænker/reifer med bitskaft i sæt



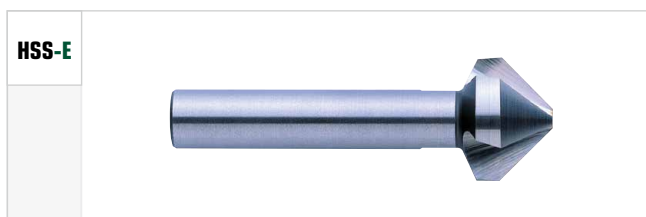
	CODE	
Ø 6,3 - 20,5 mm + bitholder 825-25 + borepasta + håndtag med 1/4" bitholder	05649	

	CODE	
Ø 6,3 - 20,5 mm + bitholder 825-25 + borepasta + håndtag med 1/4" bitholder	05639	

Forsænker/reifer 90° DIN 335 C Countersink 90° DIN 335 C



HSS-E | HSS-E



Til rustfrit stål (VA-Material / INOX / V2A / V4A / Nirosta)
For stainless steel (VA-material / INOX / V2A / V4A / Nirosta)

Til rustfrit stål (VA-Material / INOX / V2A / V4A / Nirosta)
For stainless steel (VA-material / INOX / V2A / V4A / Nirosta)

Teknisk information

HSS-E = High-speed stål Klasse E
DIN 335 C • Med cylindrisk skaft og 3 skær

Technical Information

HSS-E = High-speed-steel E-class
DIN 335 C • With cylindrical shaft and 3 flutes

Anvendelse

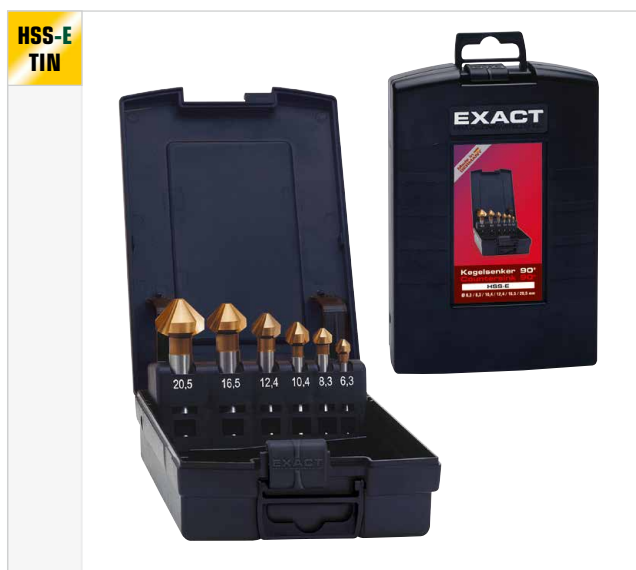
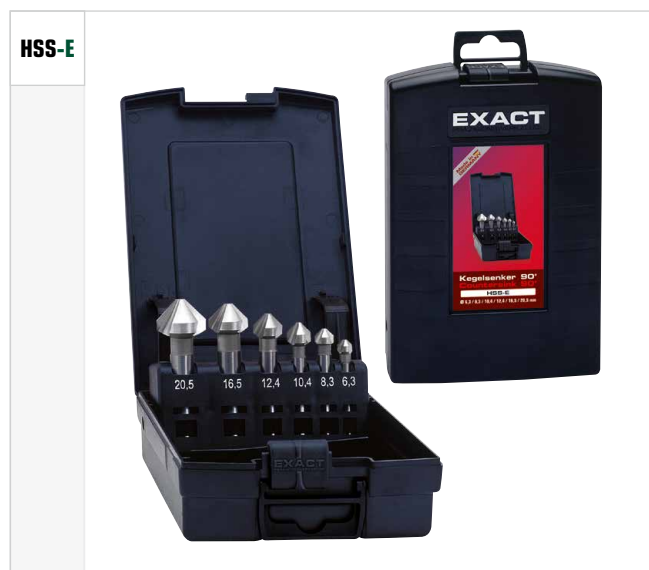
Til forsækning og afgratning

Application

For deburring and countersink

mm	DIN 74		DIN 75		mm	mm	mm	CODE	CODE
	AF	BF	AF	BF					
6,3		M 3	M 3,5	M 3	45	5	1,5	05706	15706
8,3		M 4		M 4	50	6	2,0	05710	15710
10,4		M 5	M 6	M 5	50	6	2,5	05713	15713
12,4		M 6		M 6	56	8	2,8	05715	15715
15,0	M 8	M 6			56	8	2,8	05717	15717
16,5		M 8	M 10	M 8	60	10	3,2	05718	15718
20,5		M 10		M 10	63	10	3,5	05720	15720
25,0		M 12		M 12	67	10	3,8	05722	15722
31,0				M 16	71	12	4,2	05725	15725

Sæt HSS-E | Sets HSS-E



Til rustfrit stål (VA-Material / INOX / V2A / V4A / Nirosta)
For stainless steel (VA-material / INOX / V2A / V4A / Nirosta)

Til rustfrit stål (VA-Material / INOX / V2A / V4A / Nirosta)
For stainless steel (VA-material / INOX / V2A / V4A / Nirosta)

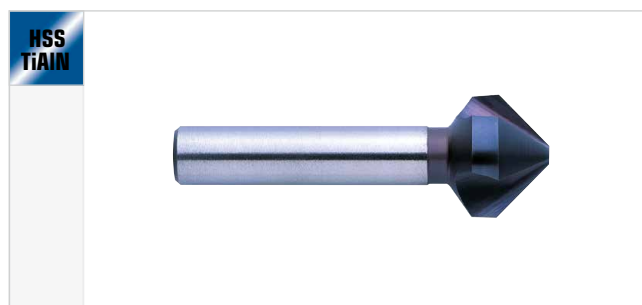
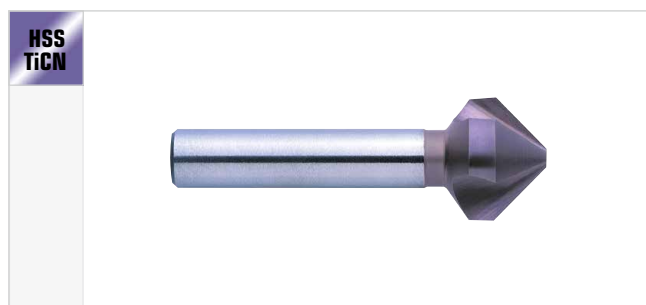
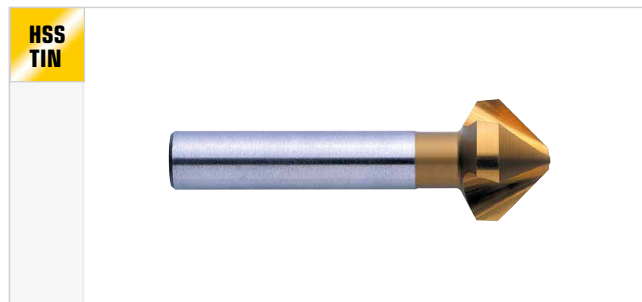
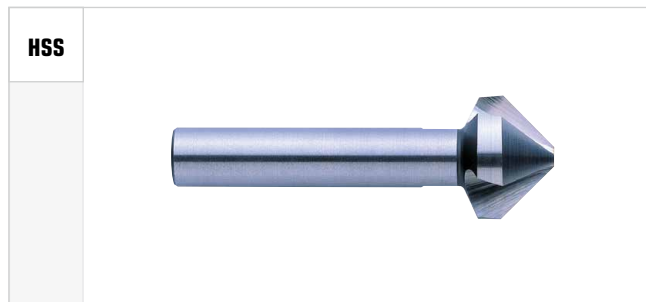
INHALT	CODE
6,3 8,3 10,4 12,4 16,5 20,5	05727

INHALT	CODE
6,3 8,3 10,4 12,4 16,5 20,5	15727

Forsænker/reifer 90° DIN 335 C Countersink 90° DIN 335 C



HSS | HSS



Teknisk information

HSS = High-speed stål
DIN 335 C • Med cylindrisk skaft og 3 skær

Anvendelse

Til forsænkning og afgratning

Technical Information

HSS = High-speed-steel
DIN 335 C • With cylindrical shaft and 3 flutes

Application

For deburring and countersink

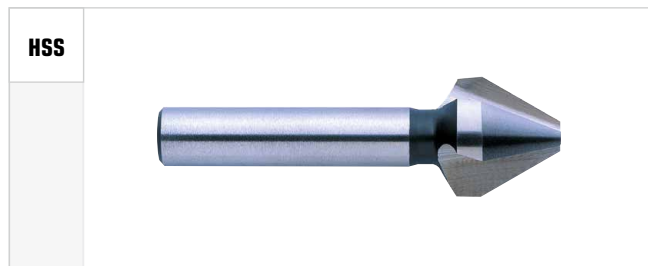
mm	DIN 74		DIN 75		mm	mm	mm	CODE	CODE	CODE	CODE
	AF	BF	AF	BF							
4,3	M 2	M 1,8	M 2		40	4	1,3	05501	05541		
5,0	M 2,5	M 2			40	4	1,5	05502	05542		
5,3			M 2,6	M 2,6	40	4	1,5	05503	05543		
5,8			M 3		45	5	1,5	05504	05544		
6,0	M 3	M 2,5			45	5	1,5	05505	05545		
6,3		M 3	M 3,5	M 3	45	5	1,5	05506	05546	51106	51136
7,0	M 3,5	M 3			50	6	1,8	05507	05547		
7,3			M 4	M 3,5	50	6	1,8	05508	05548		
8,0	M 4	M 3,5			50	6	2,0	05509	05549		
8,3		M 4		M 4	50	6	2,0	05510	05550	51110	51140
9,4			M 4		50	6	2,2	05511	05551		
10,0	M 5	M 4			50	6	2,5	05512	05552		
10,4		M 5	M 6	M 5	50	6	2,5	05513	05553	51113	51143
11,5	M 6	M 5			56	8	2,8	05514	05554		
12,4		M 6	M 6	M 6	56	8	2,8	05515	05555	51115	51145
13,4			M 8		56	8	2,9	05516	05556		
15,0	M 8	M 6			60	10	3,2	05517	05557	51117	
16,5		M 8	M 10	M 8	60	10	3,2	05518	05558	51118	51148
19,0	M 10	M 8			63	10	3,5	05519	05559		
20,5		M 10		M 10	63	10	3,5	05520	05560	51120	51150
23,0	M 12	M 10			67	10	3,8	05521	05561		
25,0		M 12		M 12	67	10	3,8	05522	05562	51122	51152
28,0		M 14		M 14	71	12	4,0	05523	05563		
30,0		M 16			71	12	4,2	05524	05564		
31,0				M 16	71	12	4,2	05525	05565	51125	51155
40,0				M 24	80	15	5,0	05526	05566		

Yderligere dimensioner med TiCN + TiAlN på forespørgsel | Other sizes available on request

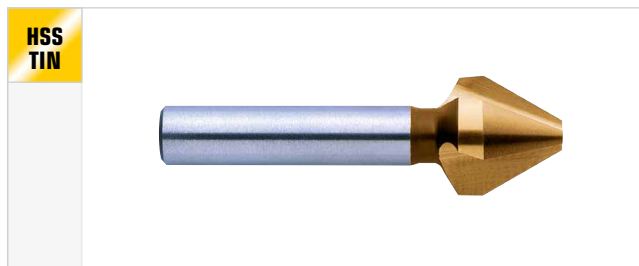
Forsænker/reifer 60° + 75° Countersink 60° + 75°



Forsænker/reifer 60° | Countersinks 60°



HSS



HSS
TIN

Teknisk information

HSS = High-speed stål
TIN = Med titanium-nitrid belægning
DIN 334 C • Med cylindrisk skaft og 3 skær

Technical Information

HSS = High-speed-steel
TIN = With titanium-nitride coating
DIN 334 C • With cylindrical shaft and 3 flutes

Anvendelse

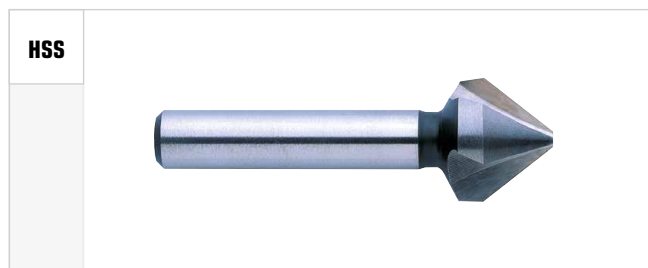
Til forsænkning og afgratning

Application

For deburring and countersink

				CODE		CODE	
6,3	45	5	1,7	05581		50751	
8,0	50	6	2,1	05582		50752	
10,0	53	6	2,6	05583		50753	
12,5	56	8	3,3	05584		50754	
16,0	63	10	4,1	05585		50755	
20,5	67	10	5,1	05586		50756	
25,0	71	10	6,4	05587		50757	
31,5	76	12	10,1	05588		50758	

Forsænker/reifer 75° | Countersinks 75°



HSS



HSS
TIN

Teknisk information

HSS = High-speed stål
TIN = Med titan Nitrid belægning
Standard Form C • Med cylindrisk skaft og 3 skær

Technical Information

HSS = High-speed-steel
TIN = With titanium-nitride coating
Work standard form C • With cylindrical shaft and 3 flutes

Anvendelse

Til forsænkning og afgratning

Application

For deburring and countersink

				CODE		CODE	
6,3	45	5	1,6	50781		51781	
8,3	50	6	2,2	50782		51782	
10,4	51	6	2,7	50783		51783	
12,4	55	8	3,2	50784		51784	
16,5	61	10	3,7	50785		51785	
20,5	65	10	4,2	50786		51786	
25,0	69	10	5,2	50787		51787	





SGE-Bit® ROTAPLUS+®



Teknisk information

HSS = High-speed stål
1/4" bitskaft (DIN 3126)

Anvendelse

Borer, skærer gevind og afgrater i én arbejdsgang.

Technical Information

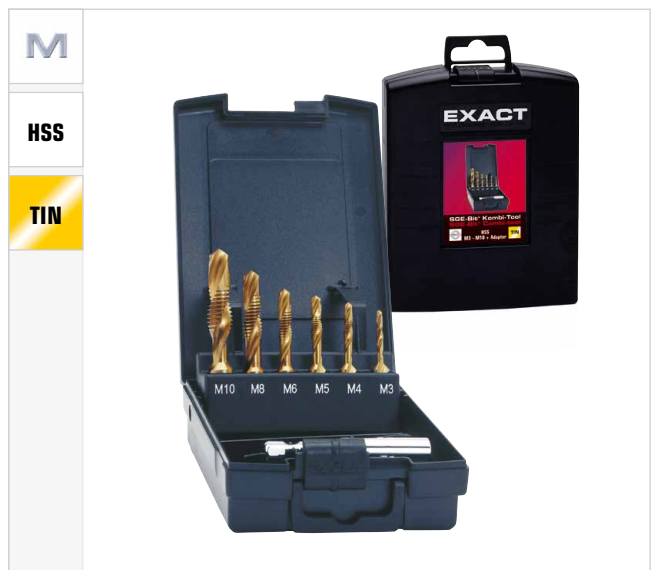
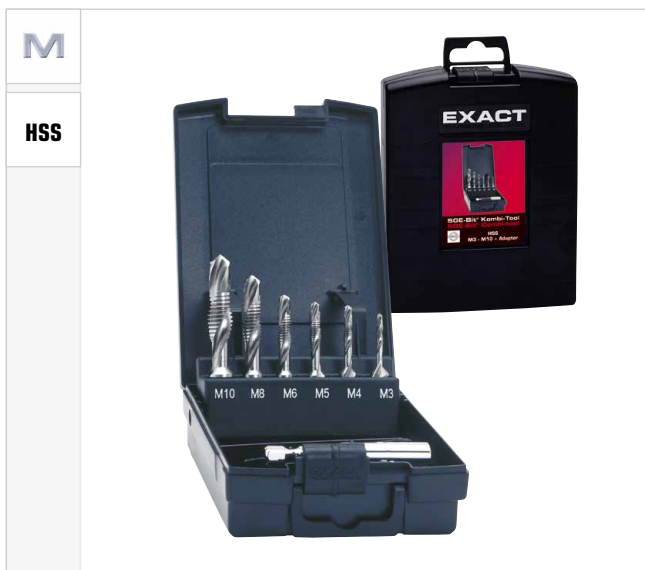
HSS = High-speed-steel
1/4" Bit drive (DIN 3126)

Application

For drilling, threading and deburring in 1 working step.

M	mm	mm	mm	mm	CODE HSS		CODE HSS	
M 3	0,50	2,5	36	6,5	05901		05921	
M 4	0,70	3,3	39	9,0	05902		05922	
M 5	0,80	4,2	41	10,0	05903		05923	
M 6	1,00	5,0	44	12,0	05904		05924	
M 8	1,25	6,8	50	15,0	05905		05925	
M 10	1,50	8,5	59	18,0	05906		05926	
M 12	1,75	10,2	66	18,0	05907		05927	

Sæt SGE-Bit® ROTAPLUS+®



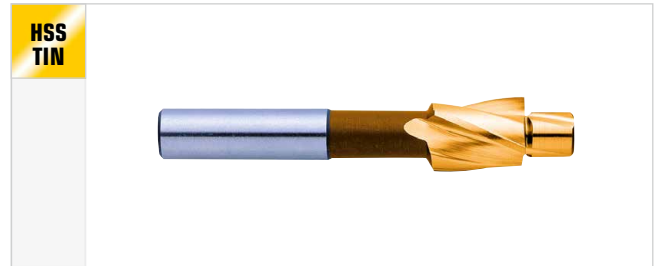
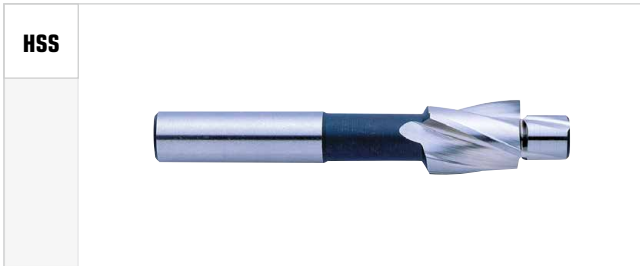
INHALT	CODE	
	HSS	
M 3 M 4 M 5 M 6 M 8 M 10 + bitholder 825-25	05910	

INHALT	CODE	
	HSS	
M 3 M 4 M 5 M 6 M 8 M 10 + Adapter 825-25	05930	

Tapforsænker DIN 373 Counterbores DIN 373



For gennemgående hul - medium | For through hole - medium



Teknisk information

HSS = High-speed stål
 TIN = Med Titan-Nitrid belægning
 DIN 373 • Med cylindrisk skaft og fast styrestift
For gennemgående hul - medium.

Anvendelse

Til forsænkning af cylinderhovedbolte, sekskant skruer og møtrikker.
 Ideel til gratfrit forsænkning i stål, støbejern og letmetaller.

Technical Information

HSS = High-speed-steel
 TIN = With titanium-nitride coating
 DIN 373 • With cylindrical shaft and fixed guide pins
for through holes - medium.

Application

For countersinking cylindrical head screws, hexagon screws and nuts.

M		mm	mm	mm	CODE		CODE	
M 3	6	3,4	71	5,0	05841		50831	
M 4	8	4,5	71	5,0	05842		50832	
M 5	10	5,5	80	8,0	05843		50833	
M 6	11	6,6	80	8,0	05844		50834	
M 8	15	9,0	100	12,5	05845		50835	
M 10	18	11,0	100	12,5	05846		50836	
M 12	20	13,5	100	12,5	05847		50837	

For gennemgående hul - medium | For through hole - medium



INHALT	CODE
M 3 M 4 M 5 M 6 M 8 M 10	05863

INHALT	CODE
M 3 M 4 M 5 M 6 M 8 M 10	50838

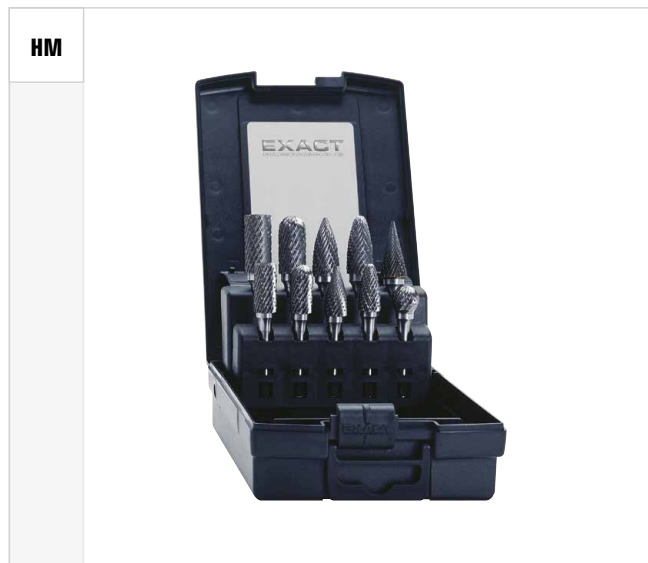




Sæt med HM fræsestifter Tungsten carbide rotary burrs

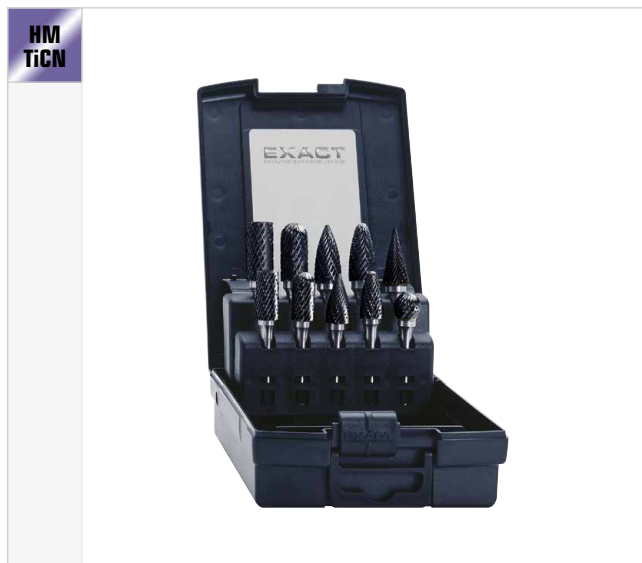




Sæt med HM fræsestifter • Rotary burrs

Sæt | Sets

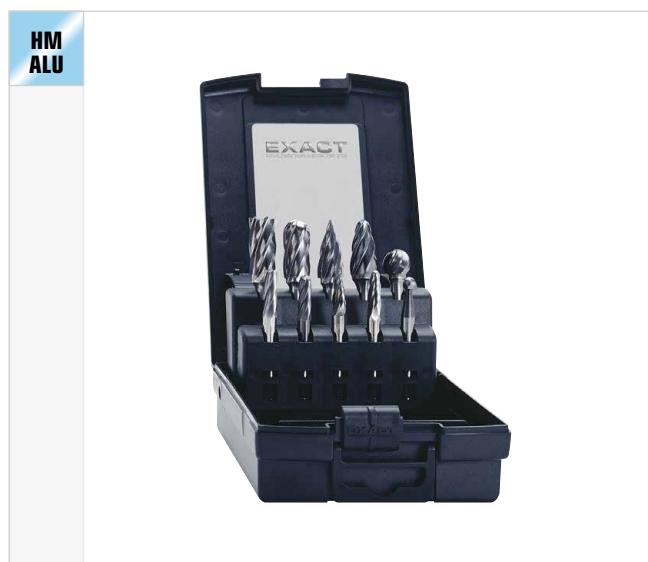




		
10 dele - hver form 1 x Ø 10 mm + 1 x Ø 12 mm: 2 x Form A 2 x Form C 2 x Form G 2 x Form F + 1 x Form D + 1 x Form M		72202



		
10 dele - hver form 1 x Ø 10 mm + 1 x Ø 12 mm: 2 x Form A 2 x Form C 2 x Form G 2 x Form F + 1 x Form D + 1 x Form M		72203



Sæt | Sets



		
10 dele – hver form 1 x Ø 6 mm + 1 x Ø 12 mm: 2 x Form A 2 x Form C 2 x Form G 2 x Form F 2 x Form D		72201

Display | Display



		
40 dele – hver form 2 x Ø 6 + 8 + 10 + 12 mm: 8 x Form A 8 x Form C 8 x Form G 8 x Form F 8 x Form L		73001

NY



HM fræsestifter form A Tungsten carbide rotary burrs



HM fræsestifter • Rotary burrs

Form A uden ans pore | Shape A without end tothing



Til højlegering, rust-, syre- og varmebestandige stål, støbejern og plast
For high-alloy steels, non-rusting steels, acid-resistant steels, heat-resistant steels, die-casts and plastics



Til højlegering, rust-, syre- og varmebestandige stål, støbejern og plast
For high-alloy steels, non-rusting steels, acid-resistant steels, heat-resistant steels, die-casts and plastics

Teknisk information

Skær: Krydsfortandet

Anvendelse

Til afgratning, kantbrydning, trimme, behandle svejsesømme og overflader

Technical Information

Cutting: Cross tothing

Application

To deburr, break edges, trim, process welding seams and surface processing

mm	mm	mm	mm	CODE	CODE	CODE
3	14	38	3	72211		
6	18	58	6	72212		72222
8	18	60	6	72213		72223
10	20	60	6	72214		72224
12	25	65	6	72215		72225
16	25	65	6	72216		72226

Form B med ans pore | Shape B with end tothing



For ikke-jernholdige metaller, aluminium, messing, kobber, zink, støbejern og plast
For non-ferrous metals, aluminium, brass, copper, zinc, die-casts and plastics



Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics



Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics

Teknisk information

Skær: Aluminiumsfortandet / Krydsfortandet

Anvendelse

Til afgratning, kantbrydning, trimme, behandle svejsesømme og overflader

Technical Information

Cutting: Aluminium tothing / Cross tothing

Application

To deburr, break edges, trim, process welding seams and surface processing

mm	mm	mm	mm	CODE	CODE	CODE
3	14	38	3		72241	
6	18	58	6	72232	72242	72252
8	18	60	6		72243	72253
10	20	60	6		72244	72254
12	25	65	6	72235	72245	72255
16	25	65	6		72246	72256



HM fræsestifte-form C Tungsten carbide rotary burrs



Form C Coiling (WRC) | Shape C ball nosed cylinder (WRC)



HM ALU
For ikke-jernholdige metaller, aluminium, messing, kobber, zink, støbejern og plast
For non-ferrous metals, aluminium, brass, copper, zinc, die-casts and plastics



HM
Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics



HM TiCN
Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics

Teknisk information

Skær: Aluminiumsfortandet / Krydsfortandet

Technical Information

Cutting: Aluminium tothing / Cross tothing

Anvendelse

Til afgratning, kantbrydning, trimme, behandle svejsesømme og overflader

Application

To deburr, break edges, trim, process welding seams and surface processing

mm	mm	mm	mm	CODE	CODE	CODE
3	14	38	3		72271	
6	18	58	6	72262	72272	72282
8	18	60	6		72273	72283
10	20	60	6		72274	72284
12	25	65	6	72265	72275	72285
16	25	65	6		72276	72286

Form D | Shape D ball (KUD)



HM ALU
For ikke-jernholdige metaller, aluminium, messing, kobber, zink, støbejern og plast
For non-ferrous metals, aluminium, brass, copper, zinc, die-casts and plastics



HM
Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics



HM TiCN
Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics

Teknisk information

Skær: Aluminiumsfortandet / Krydsfortandet

Technical Information

Cutting: Aluminium tothing / Cross tothing

Anvendelse

Til afgratning, kantbrydning, trimme, behandle svejsesømme og overflader

Application

To deburr, break edges, trim, process welding seams and surface processing

mm	mm	mm	mm	CODE	CODE	CODE
3	2,7	38	3		72301	
6	5	56	6	72292	72302	72312
8	7	47	6		72303	72313
10	9	49	6		72304	72314
12	11	51	6	72295	72305	72315
16	15	54	6		72306	72316



HM fræsestifte form G Tungsten carbide rotary burrs



HM fræsestifte • Rotary burrs

Form G lancet bue (SPG) | Shape G pointed tree (SPG)



HM ALU

For ikke-jernholdige metaller, aluminium, messing, kobber, zink, støbejern og plast
For non-ferrous metals, aluminium, brass, copper, zinc, die-casts and plastics



HM

Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics



HM TiCN

Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics

Teknisk information

Skær: Aluminiumfortandet / Krydsfortandet

Technical Information

Cutting: Aluminium tothing / Cross tothing

Anvendelse

Til afgratning, kantbrydning, trimme, behandle svejsesømme og overflader

Application

To deburr, break edges, trim, process welding seams and surface processing

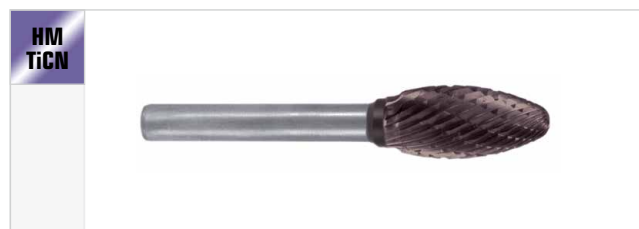
mm	mm	mm	mm	CODE	CODE	CODE
3	13	38	3		72381	
6	18	58	6	72372	72382	72392
8	18	60	6		72383	72393
10	20	60	6		72384	72394
12	25	65	6	72375	72385	72395
16	25	70	6		72386	72396

Form H | Shape H flame



HM

Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics



HM TiCN

Til høj legering, rust-, syre- og varmebestandig stål, støbegods og plast
For high-alloy steels, non-rusting, acid- and heat-resistant steels, die-casts and plastics

Teknisk information

Skær: Krydsfortandet

Technical Information

Cutting: Cross tothing

Anvendelse

Til afgratning, kantbrydning, trimme, behandle svejsesømme og overflader

Application

To deburr, break edges, trim, process welding seams and surface processing

mm	mm	mm	mm	CODE	CODE
3	6	38	3	72401	
6	14	50	6	72402	72412
8	20	65	6	72403	72413
10	20	65	6	72404	72414
12	32	77	6	72405	72415
16	36	82	6	72406	72416

Pladebor med spiral | Tube & Sheet Drills with spiral flute

HSS
TitanPro

5-20



HSS
TitanPro

5-31



ROTASTOP®-skaft | -shaft

5-20	09002	

ROTASTOP®-skaft | -shaft

5-31	09003	

Anvendelse | Application

Til gratfri boring af stålplader, tyndvæggede rør og stålprofiler.
For drilling and reaming freely of burrs of sheet steel, thin-walled tubes and structural steel shapes.

Sæt | Set

HSS
TitanPro



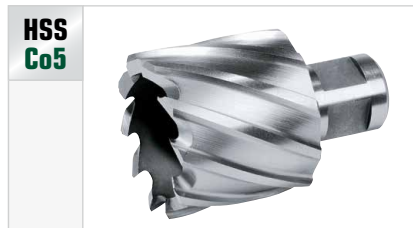
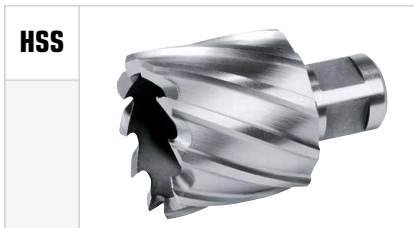
ROTASTOP®-skaft | -shaft

5-20 / 5-31	09004	

Kernebor/hulbor til magnetboremaskine (3/4") Core Drills with Weldon shank (3/4")



Boreddybde 30 mm | Cutting depth 30 mm









Teknisk information

- HSS / HSS Co5 / HSS TiAIN
- CBN slebet
- 19 mm Weldon skaft (3/4")
- Højreskærende

Technical Information

- HSS / HSS Co5 / HSS TiAIN
- CBN ground
- 19 mm Weldon shank (3/4")
- right hand cutting

						
12,0	19,0	30,0	63,0	33012	33112	33212
13,0	19,0	30,0	63,0	33013	33113	33213
14,0	19,0	30,0	63,0	33014	33114	33214
15,0	19,0	30,0	63,0	33015	33115	33215
16,0	19,0	30,0	63,0	33016	33116	33216
17,0	19,0	30,0	63,0	33017	33117	33217
18,0	19,0	30,0	63,0	33018	33118	33218
19,0	19,0	30,0	63,0	33019	33119	33219
20,0	19,0	30,0	63,0	33020	33120	33220
21,0	19,0	30,0	63,0	33021	33121	33221
22,0	19,0	30,0	63,0	33022	33122	33222
23,0	19,0	30,0	63,0	33023	33123	33223
24,0	19,0	30,0	63,0	33024	33124	33224
25,0	19,0	30,0	63,0	33025	33125	33225
26,0	19,0	30,0	63,0	33026	33126	33226
27,0	19,0	30,0	63,0	33027	33127	33227
28,0	19,0	30,0	63,0	33028	33128	33228
29,0	19,0	30,0	63,0	33029	33129	33229
30,0	19,0	30,0	63,0	33030	33130	33230
31,0	19,0	30,0	63,0	33031	33131	33231
32,0	19,0	30,0	63,0	33032	33132	33232
33,0	19,0	30,0	63,0	33033	33133	33233
34,0	19,0	30,0	63,0	33034	33134	33234
35,0	19,0	30,0	63,0	33035	33135	33235
36,0	19,0	30,0	63,0	33036	33136	33236
37,0	19,0	30,0	63,0	33037	33137	33237
38,0	19,0	30,0	63,0	33038	33138	33238
39,0	19,0	30,0	63,0	33039	33139	33239
40,0	19,0	30,0	63,0	33040	33140	33240
41,0	19,0	30,0	63,0	33041	33141	33241
42,0	19,0	30,0	63,0	33042	33142	33242
43,0	19,0	30,0	63,0	33043	33143	33243
44,0	19,0	30,0	63,0	33044	33144	33244
45,0	19,0	30,0	63,0	33045	33145	33245
46,0	19,0	30,0	63,0	33046	33146	33246
47,0	19,0	30,0	63,0	33047	33147	33247
48,0	19,0	30,0	63,0	33048	33148	33248
49,0	19,0	30,0	63,0	33049	33149	33249
50,0	19,0	30,0	63,0	33050	33150	33250
51,0	19,0	30,0	63,0	33051	33151	33251
52,0	19,0	30,0	63,0	33052	33152	33252
53,0	19,0	30,0	63,0	33053	33153	33253
54,0	19,0	30,0	63,0	33054	33154	33254
55,0	19,0	30,0	63,0	33055	33155	33255
56,0	19,0	30,0	63,0	33056	33156	33256
57,0	19,0	30,0	63,0	33057	33157	33257
58,0	19,0	30,0	63,0	33058	33158	33258
59,0	19,0	30,0	63,0	33059	33159	33259
60,0	19,0	30,0	63,0	33060	33160	33260



Kernebor/hulbor til magnetboremaskine (3/4") Core Drills with Weldon shank (3/4")



Boreddybde 55 mm | Cutting depth 55 mm



Teknisk information

- HSS / HSS Co5 / HSS TiAIN
- CBN slebet
- 19 mm Weldon skaft (3/4")
- Højreskærende

Technical Information

- HSS / HSS Co5 / HSS TiAIN
- CBN ground
- 19 mm Weldon shank (3/4")
- right hand cutting

mm	mm	mm	mm	CODE HSS	CODE HSS Co5	CODE HSS
12,0	19,0	55,0	88,0	39212	39312	39412
13,0	19,0	55,0	88,0	39213	39313	39413
14,0	19,0	55,0	88,0	39214	39314	39414
15,0	19,0	55,0	88,0	39215	39315	39415
16,0	19,0	55,0	88,0	39216	39316	39416
17,0	19,0	55,0	88,0	39217	39317	39417
18,0	19,0	55,0	88,0	39218	39318	39418
19,0	19,0	55,0	88,0	39219	39319	39419
20,0	19,0	55,0	88,0	39220	39320	39420
21,0	19,0	55,0	88,0	39221	39321	39421
22,0	19,0	55,0	88,0	39222	39322	39422
23,0	19,0	55,0	88,0	39223	39323	39423
24,0	19,0	55,0	88,0	39224	39324	39424
25,0	19,0	55,0	88,0	39225	39325	39425
26,0	19,0	55,0	88,0	39226	39326	39426
27,0	19,0	55,0	88,0	39227	39327	39427
28,0	19,0	55,0	88,0	39228	39328	39428
29,0	19,0	55,0	88,0	39229	39329	39429
30,0	19,0	55,0	88,0	39230	39330	39430
31,0	19,0	55,0	88,0	39231	39331	39431
32,0	19,0	55,0	88,0	39232	39332	39432
33,0	19,0	55,0	88,0	39233	39333	39433
34,0	19,0	55,0	88,0	39234	39334	39434
35,0	19,0	55,0	88,0	39235	39335	39435
36,0	19,0	55,0	88,0	39236	39336	39436
37,0	19,0	55,0	88,0	39237	39337	39437
38,0	19,0	55,0	88,0	39238	39338	39438
39,0	19,0	55,0	88,0	39239	39339	39439
40,0	19,0	55,0	88,0	39240	39340	39440
41,0	19,0	55,0	88,0	39241	39341	39441
42,0	19,0	55,0	88,0	39242	39342	39442
43,0	19,0	55,0	88,0	39243	39343	39443
44,0	19,0	55,0	88,0	39244	39344	39444
45,0	19,0	55,0	88,0	39245	39345	39445
46,0	19,0	55,0	88,0	39246	39346	39446
47,0	19,0	55,0	88,0	39247	39347	39447
48,0	19,0	55,0	88,0	39248	39348	39448
49,0	19,0	55,0	88,0	39249	39349	39449
50,0	19,0	55,0	88,0	39250	39350	39450
51,0	19,0	55,0	88,0	39251	39351	39451
52,0	19,0	55,0	88,0	39252	39352	39452
53,0	19,0	55,0	88,0	39253	39353	39453
54,0	19,0	55,0	88,0	39254	39354	39454
55,0	19,0	55,0	88,0	39255	39355	39455
56,0	19,0	55,0	88,0	39256	39356	39456
57,0	19,0	55,0	88,0	39257	39357	39457
58,0	19,0	55,0	88,0	39258	39358	39458
59,0	19,0	55,0	88,0	39259	39359	39459
60,0	19,0	55,0	88,0	39260	39360	39460

Gevindreparations sæt Thread Repairing Sets



Gevindreparations sæt Thread Repairing Sets








Indhold

- 1 Spiralbor (fra M2 - M12)
- 1 Gevindtap
- 1 Indbygningsværktøj
- 1 Tapbryder
- Indsats 1,5xD

Contents

- 1 Twist Drill (from M2 - M12)
- 1 Tap
- 1 Fitting Tool
- 1 Pin-Breaker
- Thread Inserts 1,5xD

M	Mf	 Ø mm	 mm			 1,5xD Stk. pcs.	HSS	
							Kode	Stk. pcs.
M 2 x 0,40		2,1	M 2 x 0,40	No.02	No.02	20	40301	1
M 2,5 x 0,45		2,6	M 2,5 x 0,45	No.03	No.03	20	40302	1
M 3 x 0,50		3,2	M 3 x 0,50	No.04	No.04	20	40303	1
M 3,5 x 0,60		3,7	M 3,5 x 0,60	No.05	No.05	20	40339	1
M 4 x 0,70		4,2	M 4 x 0,70	No.06	No.06	20	40304	1
M 5 x 0,80		5,2	M 5 x 0,80	No.08	No.08	20	40305	1
M 6 x 1,00		6,3	M 6 x 1,00	No.09	No.09	20	40306	1
M 7 x 1,00		7,3	M 7 x 1,00	No.10	No.10	20	40307	1
Mf 8 x 1,00		8,3	Mf 8 x 1,00	No.11	No.11	20	40308	1
M 8 x 1,25		8,3	M 8 x 1,25	No.11	No.11	20	40309	1
M 9 x 1,25		9,3	M 9 x 1,25	No.12	No.12	15	40310	1
Mf 10 x 1,00		10,3	Mf 10 x 1,00	No.13	No.13	15	40311	1
Mf 10 x 1,25		10,3	Mf 10 x 1,25	No.13	No.13	15	40312	1
M 10 x 1,50		10,4	M 10 x 1,50	No.13	No.13	15	40313	1
M 11 x 1,50		11,4	M 11 x 1,50	No.14	No.14	10	40340	1
Mf 12 x 1,00		12,3	Mf 12 x 1,00	No.15	No.15	10	40314	1
Mf 12 x 1,25		12,3	Mf 12 x 1,25	No.15	No.15	10	40315	1
M 12 x 1,50		12,4	Mf 12 x 1,50	No.15	No.15	10	40316	1
M 12 x 1,75		12,4	M 12 x 1,75	No.15	No.15	10	40334	1
Mf 14 x 1,00		-	Mf 14 x 1,00	No.16	No.16	10	40317	1
Mf 14 x 1,25		-	Mf 14 x 1,25	No.16	No.16	10	40318	1
Mf 14 x 1,50		-	Mf 14 x 1,50	No.17	No.16	10	40319	1
M 14 x 2,00		-	M 14 x 2,00	No.17	No.16	10	40320	1
Mf 16 x 1,50		-	Mf 16 x 1,50	No.18	No.17	10	40321	1
M 16 x 2,00		-	M 16 x 2,00	No.18	No.17	10	40322	1
Mf 18 x 1,50		-	Mf 18 x 1,50	No.19	No.18	5	40323	1
Mf 18 x 2,00		-	Mf 18 x 2,00	No.19	No.18	5	40324	1
M 18 x 2,50		-	M 18 x 2,50	No.19	No.18	5	40325	1
Mf 20 x 1,50		-	Mf 20 x 1,50	No.20	No.19	5	40326	1
Mf 20 x 2,00		-	Mf 20 x 2,00	No.20	No.19	5	40327	1
M 20 x 2,50		-	M 20 x 2,50	No.20	No.19	5	40328	1
Mf 22 x 1,50		-	Mf 22 x 1,50	No.21	No.20	5	40329	1
Mf 22 x 2,00		-	Mf 22 x 2,00	No.21	No.20	5	40330	1
M 22 x 2,50		-	M 22 x 2,50	No.21	No.20	5	40331	1
Mf 24 x 1,50		-	Mf 24 x 1,50	No.22	No.21	5	40332	1
Mf 24 x 2,00		-	Mf 24 x 2,00	No.22	No.21	5	40333	1
M 24 x 3,00		-	M 24 x 3,00	No.22	No.21	5	40336	1





Maskintap Taps | HSS



KORT MASKINTAP til skæring og reparation af indvendig gevind lavet af High-speed-stål. Det skårne gevind får den nøjagtige dimension til at kunne dreje gevindindsats i. Således genoprettes et indvendigt gevind.

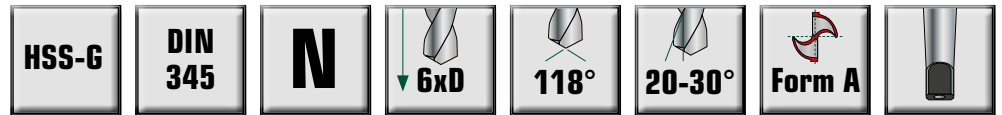
Short machine taps for cutting internal threads made of High-speed-steel. The thread has the exact dimension to insert the coil. The dimension of the repaired thread is restored in this way.

M	Mf		Ø1	Ø2	L1	L2		HSS	
								Kode	Stk. pcs.
M 2 x 0,40		2,1	2,50	2,80	9,5	44,5	2,24	40701	1
M 2,5 x 0,45		2,6	3,10	3,20	11,0	48,0	2,50	40702	1
M 3 x 0,50		3,2	3,60	4,00	13,0	53,0	3,15	40703	1
M 3,5 x 0,60		3,7	4,30	4,50	13,0	53,0	3,55	40737	1
M 4 x 0,70		4,2	4,90	5,00	16,0	58,0	4,00	40704	1
M 5 x 0,80		5,3	6,00	6,30	19,0	66,0	5,00	40705	1
M 6 x 1,00		6,3	7,30	8,00	22,0	72,0	6,30	40706	1
M 7 x 1,00		7,3	8,30	9,00	22,0	72,0	7,10	40707	1
Mf 8 x 1,00		8,3	9,30	10,00	24,0	80,0	8,00	40708	1
M 8 x 1,25		8,3	9,60	10,00	24,0	80,0	8,00	40709	1
M 9 x 1,25		9,3	10,60	8,00	25,0	85,0	6,30	40710	1
Mf 10 x 1,00		10,3	11,30	8,00	25,0	85,0	6,30	40711	1
Mf 10 x 1,25		10,3	11,60	8,00	25,0	85,0	6,30	40712	1
M 10 x 1,50		10,4	11,90	9,00	29,0	89,0	7,10	40713	1
M 11 x 1,50		11,4	12,90	9,00	29,0	89,0	7,10	40736	1
Mf 12 x 1,00		12,3	13,30	11,20	30,0	95,0	9,00	40714	1
Mf 12 x 1,25		12,3	13,60	11,20	30,0	95,0	9,00	40715	1
Mf 12 x 1,50		12,4	14,00	11,20	30,0	95,0	9,00	40716	1
M 12 x 1,75		12,4	14,30	11,20	30,0	95,0	9,00	40735	1
Mf 14 x 1,00		14,4	15,30	12,50	32,0	102,0	10,00	40717	1
Mf 14 x 1,25		14,4	15,60	12,50	32,0	102,0	10,00	40718	1
Mf 14 x 1,50		14,5	16,00	12,50	32,0	102,0	10,00	40719	1
M 14 x 2,00		14,5	16,60	12,50	32,0	102,0	10,00	40720	1
Mf 16 x 1,50		16,5	18,00	14,00	29,0	104,0	11,20	40722	1
M 16 x 2,00		16,5	18,60	14,00	37,0	112,0	11,20	40721	1
Mf 18 x 1,50		18,5	20,00	14,00	29,0	104,0	11,20	40725	1
Mf 18 x 2,00		18,5	20,60	14,00	29,0	104,0	11,20	40724	1
M 18 x 2,50		18,5	21,30	16,00	37,0	118,0	12,50	40723	1
Mf 20 x 1,50		20,5	22,00	16,00	33,0	113,0	12,50	40727	1
Mf 20 x 2,00		20,5	22,60	16,00	33,0	113,0	12,50	40726	1
M 20 x 2,50		20,5	23,30	16,00	38,0	118,0	12,50	40728	1
Mf 22 x 1,50		22,5	24,00	18,00	35,0	120,0	14,00	40729	1
Mf 22 x 2,00		22,5	24,60	18,00	35,0	120,0	14,00	40730	1
M 22 x 2,50		22,5	25,30	18,00	45,0	130,0	14,00	40731	1
Mf 24 x 1,50		24,5	26,00	18,00	35,0	120,0	14,00	40732	1
Mf 24 x 2,00		24,5	26,60	20,00	37,0	127,0	16,00	40733	1
M 24 x 3,00		24,5	27,90	20,00	48,0	138,0	16,00	40734	1



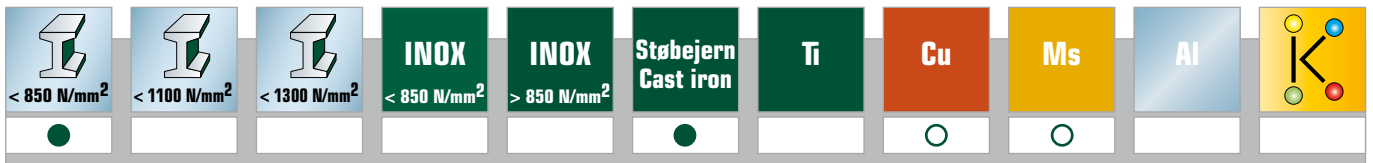
HSS-G

Spiralbor | Twist Drills DIN 345 | Typ N | HSS-G



Kraftigt standardbor med Morsekonus til boring i legeret og ulegeret stål, støbt stål og støbejern.

Highly efficient standard drill with morse taper. For drilling steel, cast steel and cast iron – alloyed and unalloyed. Highly secure against fracture.



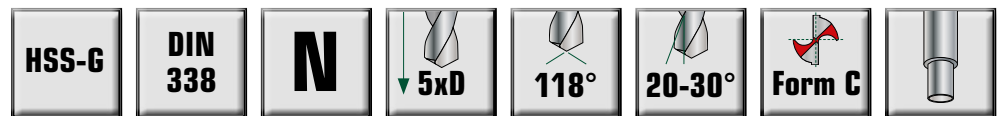
● Anbefalet | recommended ○ Delvist egnet | partly suitable

Ø	L1	L2		HSS-G	
				Kode	Stk. pcs.
10,0	168,0	87,0	1	36001	1
10,5	168,0	87,0	1	36002	1
11,0	175,0	94,0	1	36003	1
11,5	175,0	94,0	1	36004	1
12,0	182,0	101,0	1	36005	1
12,5	182,0	101,0	1	36006	1
13,0	182,0	101,0	1	36007	1
13,5	189,0	108,0	1	36008	1
14,0	189,0	108,0	1	36009	1
14,5	212,0	114,0	2	36010	1
15,0	212,0	114,0	2	36011	1
15,5	218,0	120,0	2	36012	1
16,0	218,0	120,0	2	36013	1
16,5	223,0	125,0	2	36014	1
17,0	223,0	125,0	2	36015	1
17,5	228,0	130,0	2	36016	1
18,0	228,0	130,0	2	36017	1
18,5	233,0	135,0	2	36018	1
19,0	233,0	135,0	2	36019	1
19,5	238,0	140,0	2	36020	1
20,0	238,0	140,0	2	36021	1
20,5	243,0	145,0	2	36022	1
21,0	243,0	145,0	2	36023	1

Ø	L1	L2		HSS-G	
				Kode	Stk. pcs.
21,5	248,0	150,0	2	36024	1
22,0	248,0	150,0	2	36025	1
22,5	253,0	155,0	2	36026	1
23,0	253,0	155,0	2	36027	1
23,5	276,0	155,0	3	36028	1
24,0	281,0	160,0	3	36029	1
24,5	281,0	160,0	3	36030	1
25,0	281,0	160,0	3	36031	1
25,5	286,0	165,0	3	36032	1
26,0	286,0	165,0	3	36033	1
26,5	286,0	165,0	3	36034	1
27,0	291,0	170,0	3	36035	1
27,5	291,0	170,0	3	36036	1
28,0	291,0	170,0	3	36037	1
28,5	296,0	175,0	3	36038	1
29,0	296,0	175,0	3	36039	1
29,5	296,0	175,0	3	36040	1
30,0	296,0	175,0	3	36041	1
30,5	301,0	180,0	3	36042	1
31,0	301,0	180,0	3	36043	1
31,5	301,0	180,0	3	36044	1
32,0	334,0	185,0	4	36045	1
32,5	334,0	185,0	4	36046	1



Spiralbor | Twist Drills DIN 338 | Typ N | HSS-G neddrejet skaft | reduced shank



Ideel til boring af større borediametre med alle gängse boremaskiner med borepatron til 13,0 mm.

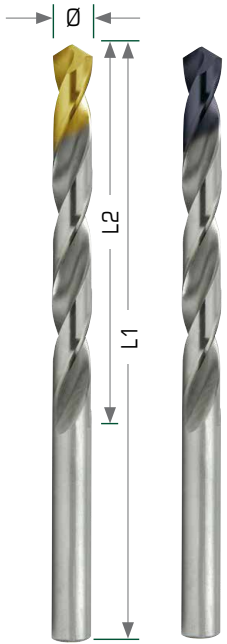
Ideally suitable for drilling larger drilling diameters on all commonly-used drilling machines with a clamping chuck up to 13,0 mm.

			INOX < 850 N/mm²	INOX > 850 N/mm²	Støbejern Cast iron	Ti	Cu	Ms	Al	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

● Anbefalet | recommended ○ Delvist egnet | partly suitable

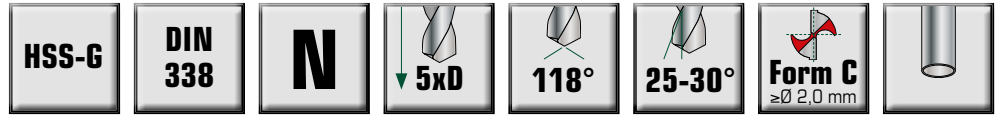
Ø1	L1	L3	Ø2	HSS-G	
				Kode	Stk. pcs.
10,5	133,0	30,0	10	38231	1
11,0	142,0	30,0	10	38232	1
11,5	142,0	30,0	10	38233	1
12,0	151,0	30,0	10	38234	1
12,5	151,0	30,0	10	38235	1
13,0	151,0	30,0	10	38236	1
13,5	160,0	30,0	10	38237	1
14,0	160,0	30,0	10	38238	1
14,5	169,0	30,0	10	38239	1
15,0	169,0	30,0	10	38240	1
15,5	178,0	30,0	10	38241	1
16,0	178,0	30,0	10	38242	1
16,5	184,0	35,0	13	38243	1
17,0	184,0	35,0	13	38244	1
17,5	191,0	35,0	13	38245	1
18,0	191,0	35,0	13	38246	1
18,5	198,0	35,0	13	38247	1
19,0	198,0	35,0	13	38248	1
19,5	205,0	35,0	13	38249	1
20,0	205,0	35,0	13	38250	1





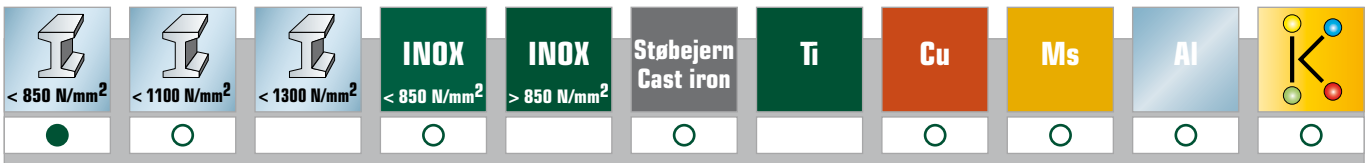
Spiralbor | Twist Drills DIN 338 | Typ N | HSS-G

med belagt spids | with TIP Coating



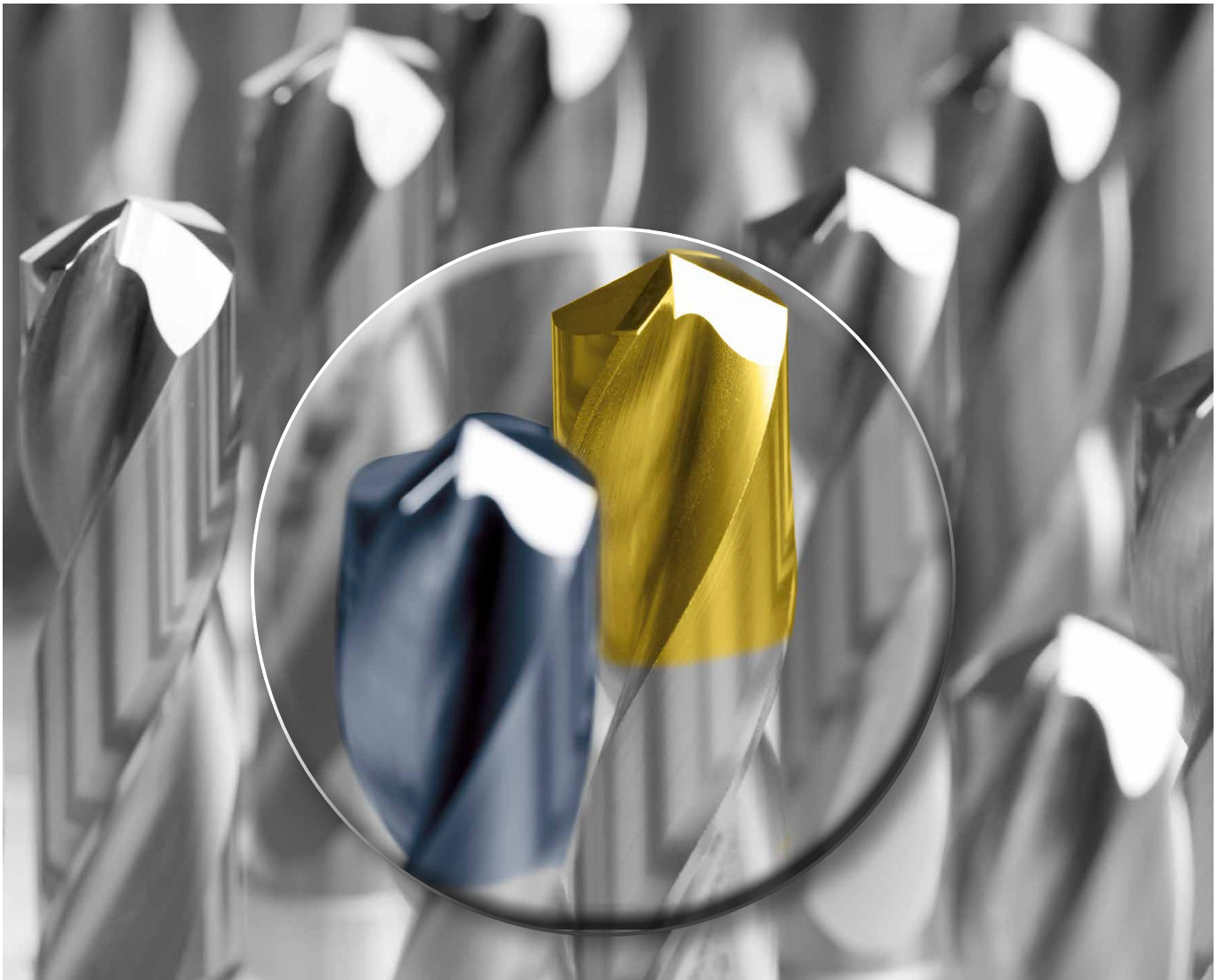
Højtydende spiralbor med belagt spids. Belægningen øger værktøjets levetid og muliggør højere skærehastigheder. Spiralbor med Titan-Aluminium (TiAlN) belægning er især egnet til hårde materialer og kræver ikke kølemiddel.

Powerful, ground twist drill with a coated active cutting part. The titanium nitride coating increases the tool life and allows higher cutting speeds and feed rates. The titanium-aluminum coating is also suitable for particularly hard materials and does not require coolant.



● Anbefalet | recommended ○ Delvist egnet | partly suitable

Ø	L1	L2	HSS-G		HSS-G	
			Kode	Stk. pcs.	Kode	Stk. pcs.
1,0	34,0	12,0	73610	10	73810	10
1,5	40,0	18,0	73615	10	73815	10
2,0	49,0	24,0	73620	10	73820	10
2,5	57,0	30,0	73625	10	73825	10
3,0	61,0	33,0	73630	10	73830	10
3,3	65,0	36,0	73633	10	73833	10
3,5	70,0	39,0	73635	10	73835	10
4,0	75,0	43,0	73640	10	73840	10
4,2	75,0	43,0	73642	10	73842	10
4,5	80,0	47,0	73645	10	73845	10
5,0	86,0	52,0	73650	10	73850	10
5,5	93,0	57,0	73655	10	73855	10
6,0	93,0	57,0	73660	10	73860	10
6,5	101,0	63,0	73665	10	73865	10
6,8	109,0	69,0	73668	10	73868	10
7,0	109,0	69,0	73670	10	73870	10
7,5	109,0	69,0	73675	10	73875	10
8,0	117,0	75,0	73680	10	73880	10



Med belagt spids | With TIP coating

Ø	L1	L2	HSS-G		HSS-G	
			Kode	Stk. pcs.	Kode	Stk. pcs.
8,5	117,0	75,0	73685	10	73885	10
9,0	125,0	81,0	73690	10	73890	10
9,5	125,0	81,0	73695	10	73895	10
10,0	133,0	87,0	73700	10	73900	10
10,2	133,0	87,0	73702	10	73902	10
10,5	133,0	87,0	73705	5	73905	5
11,0	142,0	94,0	73710	5	73910	5
11,5	142,0	94,0	73715	5	73915	5
12,0	151,0	101,0	73720	5	73920	5
12,5	151,0	101,0	73725	5	73925	5
13,0	151,0	101,0	73730	5	73930	5
13,5	160,0	108,0	73735	5	73935	5
14,0	160,0	108,0	73740	5	73940	5
14,5	169,0	114,0	73745	5	73945	5
15,0	169,0	114,0	73750	5	73950	5
15,5	178,0	120,0	73755	5	73955	5
16,0	178,0	120,0	73760	5	73960	5

Spiralbor sæt | Sets of Twist Drills DIN 338 | Typ N | HSS-G



Teknisk information TiAlN-belægning

Spiralbor med Titan-Aluminium (TiAlN) belægning er især egnet til hårde materialer og kræver ikke kølemiddel.

Technical Information TiAlN Coating

Twist Drills with titanium-aluminum coating are suitable for particularly hard materials and does not require coolant.

INHALT	HSS-G	
	Kode	Stk. pcs.
19 stk. pcs. DIN 338 Typ N Ø 1,0 mm – 10,0 mm x 0,5 mm stigende in steps	72961	1
25 stk. pcs. DIN 338 Typ N Ø 1,0 mm – 13,0 mm x 0,5 mm stigende in steps	72962	1



Teknisk information TiN-belægning

Spiralbor med Titan-Nitrid (TiN) belægning øger værktøjets levetid og muliggør højere skærehastigheder.

Technical Information TiN Coating

The titanium nitride coating in the active cutting part increases the tool life and allows higher cutting speeds and feed rates.

INHALT	HSS-G	
	Kode	Stk. pcs.
19 stk. pcs. DIN 338 Typ N Ø 1,0 mm – 10,0 mm x 0,5 mm stigende in steps	73761	1
25 stk. pcs. DIN 338 Typ N Ø 1,0 mm – 13,0 mm x 0,5 mm stigende in steps	73762	1



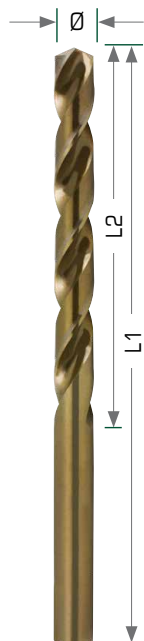
Teknisk information TiAlN-belægning

Spiralbor med Titan-Aluminium (TiAlN) belægning er især egnet til hårde materialer og kræver ikke kølemiddel.

Technical Information TiAlN Coating

The titanium-aluminum coating in the active cutting part is suitable for particularly hard materials and does not require coolant.

INHALT	HSS-G	
	Kode	Stk. pcs.
19 stk. pcs. DIN 338 Typ N Ø 1,0 mm – 10,0 mm x 0,5 mm stigende in steps	73961	1
25 stk. pcs. DIN 338 Typ N Ø 1,0 mm – 13,0 mm x 0,5 mm stigende in steps	73962	1



Spiralbor DIN 338 | Rustfrit stål

Twist Drills DIN 338 | Typ VA | HSSE-Co 5

HSSE
Co 5

DIN
338

VA

5xD

130°

36°

Form C
≥Ø 2,0 mm

Højtydende spiralbor med ekstra høj varmebestandighed. Ideel til at bore i rustfrit, syrefast og varmebestandigt stål.

Powerful right-hand cutting high-performance drill with distinctive heat resistance. Ideal for drilling high-strength stainless, acid-resistant and heat-resistant steel.

HSSE
Co 5

● Anbefalet | recommended ○ Delvist egnet | partly suitable

Ø	L1	L2	HSSE-Co 5	
			Kode	Stk. pcs.
1,0	34,0	12,0	74010	10
1,1	36,0	14,0	74011	10
1,2	38,0	16,0	74012	10
1,3	38,0	16,0	74013	10
1,4	40,0	18,0	74014	10
1,5	40,0	18,0	74015	10
1,6	43,0	20,0	74016	10
1,7	43,0	20,0	74017	10
1,8	46,0	22,0	74018	10
1,9	46,0	22,0	74019	10
2,0	49,0	24,0	74020	10
2,1	49,0	24,0	74021	10
2,2	53,0	27,0	74022	10
2,3	53,0	27,0	74023	10
2,4	57,0	30,0	74024	10
2,5	57,0	30,0	74025	10
2,6	57,0	30,0	74026	10
2,7	61,0	33,0	74027	10
2,8	61,0	33,0	74028	10
2,9	61,0	33,0	74029	10
3,0	61,0	33,0	74030	10
3,1	65,0	36,0	74031	10
3,2	65,0	36,0	74032	10
3,3	65,0	36,0	74033	10
3,4	70,0	39,0	74034	10
3,5	70,0	39,0	74035	10
3,6	70,0	39,0	74036	10
3,7	70,0	39,0	74037	10
3,8	75,0	43,0	74038	10

Ø	L1	L2	HSSE-Co 5	
			Kode	Stk. pcs.
3,9	75,0	43,0	74039	10
4,0	75,0	43,0	74040	10
4,1	75,0	43,0	74041	10
4,2	75,0	43,0	74042	10
4,3	80,0	47,0	74043	10
4,4	80,0	47,0	74044	10
4,5	80,0	47,0	74045	10
4,6	80,0	47,0	74046	10
4,7	80,0	47,0	74047	10
4,8	86,0	52,0	74048	10
4,9	86,0	52,0	74049	10
5,0	86,0	52,0	74050	10
5,1	86,0	52,0	74051	10
5,2	86,0	52,0	74052	10
5,3	86,0	52,0	74053	10
5,4	93,0	57,0	74054	10
5,5	93,0	57,0	74055	10
5,6	93,0	57,0	74056	10
5,7	93,0	57,0	74057	10
5,8	93,0	57,0	74058	10
5,9	93,0	57,0	74059	10
6,0	93,0	57,0	74060	10
6,1	101,0	63,0	74061	10
6,2	101,0	63,0	74062	10
6,3	101,0	63,0	74063	10
6,4	101,0	63,0	74064	10
6,5	101,0	63,0	74065	10
6,6	101,0	63,0	74066	10
6,7	101,0	63,0	74067	10

Spiralbor til rustfrit stål

Twist Drills



Ø	L1	L2	HSSE-Co 5	
			Kode	Stk. pcs.
6,8	109,0	69,0	74068	10
6,9	109,0	69,0	74069	10
7,0	109,0	69,0	74070	10
7,1	109,0	69,0	74071	10
7,2	109,0	69,0	74072	10
7,3	109,0	69,0	74073	10
7,4	109,0	69,0	74074	10
7,5	109,0	69,0	74075	10
7,6	117,0	75,0	74076	10
7,7	117,0	75,0	74077	10
7,8	117,0	75,0	74078	10
7,9	117,0	75,0	74079	10
8,0	117,0	75,0	74080	10
8,1	117,0	75,0	74081	10
8,2	117,0	75,0	74082	10
8,3	117,0	75,0	74083	10
8,4	117,0	75,0	74084	10
8,5	117,0	75,0	74085	10
8,6	125,0	81,0	74086	10
8,7	125,0	81,0	74087	10
8,8	125,0	81,0	74088	10
8,9	125,0	81,0	74089	10
9,0	125,0	81,0	74090	10

Ø	L1	L2	HSSE-Co 5	
			Kode	Stk. pcs.
9,1	125,0	81,0	74091	10
9,2	125,0	81,0	74092	10
9,3	125,0	81,0	74093	10
9,4	125,0	81,0	74094	10
9,5	125,0	81,0	74095	10
9,6	133,0	87,0	74096	10
9,7	133,0	87,0	74097	10
9,8	133,0	87,0	74098	10
9,9	133,0	87,0	74099	10
10,0	133,0	87,0	74100	10
10,2	133,0	87,0	74102	10
10,5	133,0	87,0	74105	5
11,0	142,0	94,0	74110	5
11,5	142,0	94,0	74115	5
12,0	151,0	101,0	74120	5
12,5	151,0	101,0	74125	5
13,0	151,0	101,0	74130	5
13,5	160,0	108,0	74135	5
14,0	160,0	108,0	74140	5
14,5	169,0	114,0	74145	5
15,0	169,0	114,0	74150	5
15,5	178,0	120,0	74155	5
16,0	178,0	120,0	74160	5

Spiralbor for rustfrit • Twist Drills





Meteorvej 6
8700 Horsens
Telefon 75624144
www.3ktools.dk