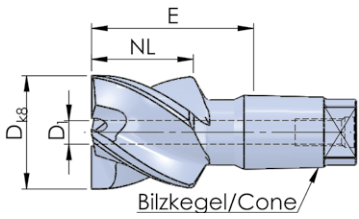


Der Klassiker

A-HSS



D	Kegelgröße cone size	Art.-Nr. Art.-No.	D <sub>1</sub>	D	Kegelgröße cone size	Art.-Nr. Art.-No.	D <sub>1</sub>	D	Kegelgröße cone size	Art.-Nr. Art.-No.	D <sub>1</sub>	D	Kegelgröße cone size	Art.-Nr. Art.-No.	D <sub>1</sub>
4,5	00	A045001	1,7	14,3	1	A143101	3,0	28,0	4	A280401	6,0	48,0	5,5	A480551	9,0
4,8	00	A048001	1,7	14,5	1	A145101	3,0	28,5	4	A285401	6,0	49,0	5,5	A490551	9,0
5,0	00	A050001	1,7	14,5	2	A145201	4,0	29,0	4	A290401	6,0	50,0	5,5	A500551	9,0
5,5	00	A055001	1,7	15,0	1	A150101	3,0	30,0	4	A300401	6,0	51,0	5,5	A510551	9,0
5,8	01	A058011	2,0	15,0	2	A150201	4,0	31,0	4	A310401	6,0	52,0	5,5	A520551	9,0
5,9	01	A059011	2,0	15,5	2	A155201	4,0	32,0	4	A320401	6,0	53,0	5,5	A530551	9,0
6,0	01	A060011	2,0	16,0	1	A160101	3,0	33,0	4	A330401	6,0	54,0	5,5	A540551	9,0
6,3	01	A063011	2,0	16,0	2	A160201	4,0	34,0	5	A340501	8,0	55,0	5,5	A550551	9,0
6,4	01	A064011	2,0	16,5	1	A165101	3,0	35,0	5	A350501	8,0	56,0	5,5	A560551	9,0
6,5	01	A065011	2,0	16,5	2	A165201	4,0	36,0	5	A360501	8,0	57,0	5,5	A570551	9,0
6,8	01	A068011	2,0	17,0	2	A170201	4,0	37,0	5	A370501	8,0	58,0	6	A580601	10,0
7,0	02	A070021	2,5	17,5	2	A175201	4,0	38,0	5	A380501	8,0	59,0	6	A590601	10,0
7,4	02	A074021	2,5	18,0	2	A180201	4,0	39,0	5	A390501	8,0	60,0	6	A600601	10,0
7,5	02	A075021	2,5	18,0	3	A180301	5,0	40,0	5	A400501	8,0	61,0	6	A610601	10,0
8,0	02	A080021	2,5	18,5	3	A185301	5,0	41,0	5	A410501	8,0	62,0	6	A620601	10,0
8,3	02	A083021	2,5	19,0	2	A190201	4,0	42,0	5	A420501	8,0	63,0	6	A630601	10,0
8,4	02	A084021	2,5	19,0	3	A190301	5,0	43,0	5	A430501	8,0	64,0	6	A640601	10,0
8,5	02	A085021	2,5	20,0	2	A200201	4,0	44,0	5	A440501	8,0	65,0	6	A650601	10,0
9,0	1	A090101	3,0	20,0	3	A200301	5,0	45,0	5	A450501	8,0	66,0	6	A660601	10,0
9,4	1	A094101	3,0	20,5	3	A205301	5,0	46,0	5,5	A460551	9,0	67,0	6	A670601	10,0
9,5	1	A095101	3,0	21,0	3	A210301	5,0	47,0	5,5	A470551	9,0				
10,0	1	A100101	3,0	22,0	2	A220201	4,0								
10,4	1	A104101	3,0	22,0	3	A220301	5,0								
10,5	1	A105101	3,0	22,5	3	A225301	5,0								
11,0	1	A110101	3,0	23,0	3	A230301	5,0								
11,5	1	A115101	3,0	23,0	4	A230401	6,0								
12,0	1	A120101	3,0	24,0	3	A240301	5,0								
12,5	1	A125101	3,0	24,0	4	A240401	6,0								
13,0	1	A130101	3,0	25,0	3	A250301	5,0								
13,0	2	A130201	4,0	25,0	4	A250401	6,0								
13,5	1	A135101	3,0	26,0	3	A260301	5,0								
13,5	2	A135201	4,0	26,0	4	A260401	6,0								
14,0	1	A140101	3,0	27,0	4	A270401	6,0								
14,0	2	A140201	4,0	28,0	3	A280301	5,0								

A-HSS: Baumaße A-HSS: dimensions			
Größe size	E	NL	Spanwinkel rake angle
00/01/02	23	8	25°
1	25	12	30°
2	30	14	
3	34	16	
4	38	18	
5	39	20	25°
5,5	40	24	
6,0	39	24	

Bestellbeispiel: siehe Seite 3 Ordering example: see page 3

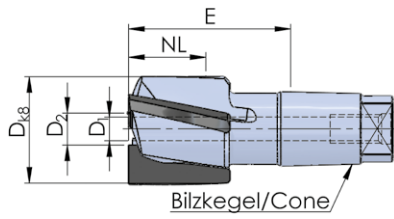
Halter > siehe S. 8+10, Führungzapfen > siehe S. 9+11. Andere Abmessungen, Kegelgrößen und Eckenradien auf Anfrage lieferbar.  
Holder > s. p. 8+10, pilots s. p. 9+11. Other dimensions, sizes and edge-radii upon request.

A-HSS (A.....1): Schnittdatenempfehlung A-HSS (A.....1): Cutting data recommendation				
Senk-Ø Counterb. Ø D mm	Stahl Steel P	Nichtrostender Stahl Stainless steel M	Gusseisen Cast iron K	Nichteisenmetall Nonferrous metal N
4,5- 8,5	0,06-0,10	0,06-0,10		0,10-0,20
9,0-12,5	0,09-0,20	0,09-0,20		0,20-0,30
13,0-22,5	0,15-0,40	0,15-0,30		0,25-0,40
23,0-45,0	0,25-0,50	0,20-0,40		0,30-0,50
46,0-67,0	0,40-0,70	0,30-0,60		0,40-0,70

(Vc) m/min	◀	Schnittgeschwindigkeit Cutting speed
(f) mm/U mm/rev	◀	Vorschub Infeed

Ausreichende Kühlschmiermittelzufuhr erforderlich. Sufficient coolant-supply needed.



# A-HM carbide-tipped

D	Kegelgröße cone size	Art.-Nr. Art.-No.	D <sub>2</sub>	D	Kegelgröße cone size	Art.-Nr. Art.-No.	D <sub>2</sub>	D	Kegelgröße cone size	Art.-Nr. Art.-No.	D <sub>2</sub>	D	Kegelgröße cone size	Art.-Nr. Art.-No.	D <sub>2</sub>
5,9	01	A059015	2,4	16,5	2	A165205	5,5	36,0	5	A360505	10,6	52,0	5,5	A520555	12,7
6,0	01	A060015	2,4	17,0	2	A170205	5,5	37,0	5	A370505	10,6	53,0	5,5	A530555	12,7
6,3	01	A063015	2,4	17,5	2	A175205	5,5	38,0	5	A380505	10,6	54,0	5,5	A540555	12,7
6,4	01	A064015	2,4	18,0	2	A180205	5,8	39,0	5	A390505	10,6	55,0	5,5	A550555	12,7
6,5	01	A065015	2,4	18,0	3	A180305	6,6	40,0	5	A400505	10,6	56,0	5,5	A560555	12,7
6,8	01	A068015	2,4	18,5	3	A185305	6,6	41,0	5	A410505	10,6	57,0	5,5	A570555	12,7
7,0	02	A070025	3,0	19,0	2	A190205	5,8	42,0	5	A420505	10,6	58,0	6	A580605	13,8
7,4	02	A074025	3,0	19,0	3	A190305	6,6	43,0	5	A430505	10,6	59,0	6	A590605	13,8
7,5	02	A075025	3,0	20,0	2	A200205	5,8	44,0	5	A440505	10,6	60,0	6	A600605	13,8
8,0	02	A080025	3,0	20,0	3	A200305	6,6	45,0	5	A450505	10,6	61,0	6	A610605	13,8
8,4	02	A084025	3,0	20,5	3	A205305	6,6	46,0	5,5	A460555	12,7	62,0	6	A620605	13,8
8,5	02	A085025	3,0	21,0	3	A210305	6,6	47,0	5,5	A470555	12,7	63,0	6	A630605	13,8
9,0	1	A090105	4,0	22,0	2	A220205	5,8	48,0	5,5	A480555	12,7	64,0	6	A640605	13,8
9,4	1	A094105	4,0	22,0	3	A220305	6,6	49,0	5,5	A490555	12,7	65,0	6	A650605	13,8
10,0	1	A100105	4,0	22,5	3	A225305	6,6	50,0	5,5	A500555	12,7	66,0	6	A660605	13,8
10,4	1	A104105	4,0	23,0	3	A230305	6,8	51,0	5,5	A510555	12,7	67,0	6	A670605	13,8
11,0	1	A110105	4,0	23,0	4	A230405	7,7								
11,5	1	A115105	4,0	24,0	3	A240305	6,8								
12,0	1	A120105	4,0	24,0	4	A240405	7,7								
12,5	1	A125105	4,0	25,0	3	A250305	6,8								
13,0	1	A130105	4,6	25,0	4	A250405	7,7								
13,0	2	A130205	5,5	26,0	3	A260305	6,8								
13,5	1	A135105	4,6	26,0	4	A260405	7,7								
13,5	2	A135205	5,5	27,0	4	A270405	7,7								
14,0	1	A140105	4,6	28,0	3	A280305	6,8								
14,0	2	A140205	5,5	28,0	4	A280405	7,7								
14,5	1	A145105	4,6	28,5	4	A285405	7,7								
14,5	2	A145205	5,5	29,0	4	A290405	7,7								
15,0	1	A150105	4,6	30,0	4	A300405	7,7								
15,0	2	A150205	5,5	31,0	4	A310405	7,7								
15,5	2	A155205	5,5	32,0	4	A320405	7,7								
16,0	1	A160105	4,6	33,0	4	A330405	7,7								
16,0	2	A160205	5,5	34,0	5	A340505	10,6								
16,5	1	A165105	4,6	35,0	5	A350505	10,6								

A-HM: Baumaße A-HM: dimensions			
Größe size	E	NL	Spanwinkel rake angle
01/02	23	8	8°
1	25	12	12°
2	30	14	
3	34	16	
4	38	18	
5	39	20	
5,5	40	24	
6	39	24	

Bestellbeispiel: siehe Seite 3 Ordering example: see page 3

Halter > siehe S.8+10, Führungzapfen > siehe S.9+11. Andere Abmessungen, Kegelgrößen und Eckenradien auf Anfrage lieferbar.  
Holder > s. p. 8+10, pilots s. p. 9+11. Other dimensions, sizes and edge-radii upon request.

A-HM (A.....5): Schnittdatenempfehlung A-HM (A.....5): Cutting data recommendation				
Senk-Ø Counterb. Ø D mm	Stahl Steel	Nichtrostender Stahl Stainless steel	Gusseisen Cast iron	Nichteisenmetall Nonferrous metal
	P	M	K	N
5,0- 8,5	40-90	20-50	0,06-0,10	0,06-0,10
9,0-12,0			0,10-0,20	0,10-0,20
13,0-22,5	0,10-0,25	0,10-0,25	0,20-0,30	0,20-0,30
23,0-45,0	0,20-0,50	0,20-0,50	0,30-0,50	0,30-0,50
46,0-67,0	0,25-0,50	0,20-0,50	0,40-0,60	0,40-0,70

(Vc) m/min ← Schnittgeschwindigkeit  
Cutting speed

(f) mm/U ← Vorschub  
Infeed

Ausreichende Kühlschmiermittelzufuhr erforderlich. Sufficient coolant-supply needed.