VHM Indexfräser - Changesystem

VHM 9500

VHM 9510

VHM 9520

VHM 9530

VHM 9540

VHM 9550

VHM 9560

VHM 9570

VHM 9580

VHM 9590

VHM 9600

VHM 9610

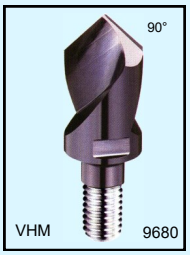
VHM 9620

VHM 9630

VHM 9660

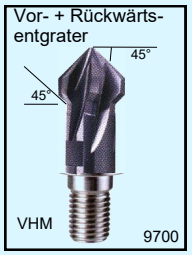
VHM 9670

VHM 9670

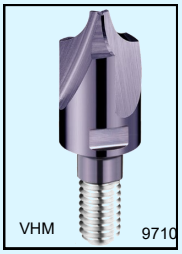


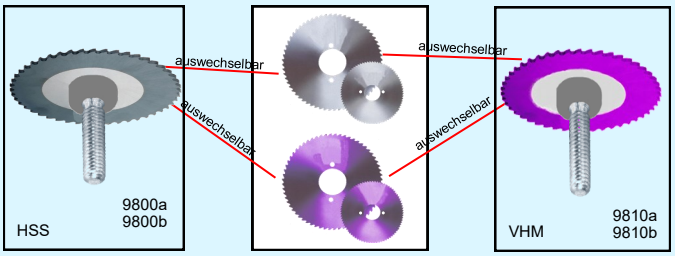
VHM 9680

VHM 9690



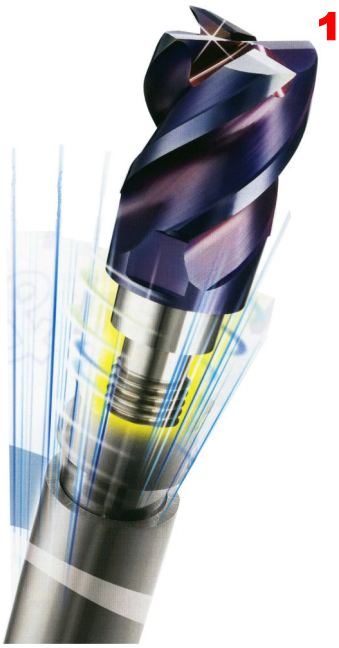
VHM 9700


VHM 9710



Nutfräser in jeder Breite lieferbar

1 VHM Aufnahmehalter = 19 - 300 Fräsermöglichkeiten

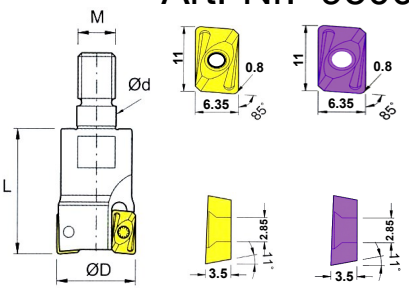


VHM Indexfräser - Changesystem

High - Flyer

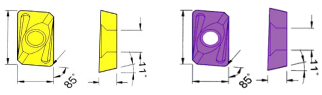
TIN + MC3 beschichtet

Art.-Nr. 9500



Best.-Nr. 9500...	D	d	L	M	Z	Preis
..16002	16	8.5	25	M8	2	123.90
..17002	17	8.5	25	M8	2	123.90
..20002	20	10.5	30	M10	2	134.40
..20003	20	10.5	30	M10	3	142.80
..21002	21	10.5	30	M10	2	151.20
..21003	21	10.5	30	M10	3	165.90
..25003	25	12.5	35	M12	3	175.40
..25004	25	12.5	35	M12	4	191.10
..26003	26	12.5	35	M12	3	188.00
..26004	26	12.5	35	M12	4	205.80
..32004	32	17	43	M16	4	235.20
..32005	32	17	43	M16	5	260.40

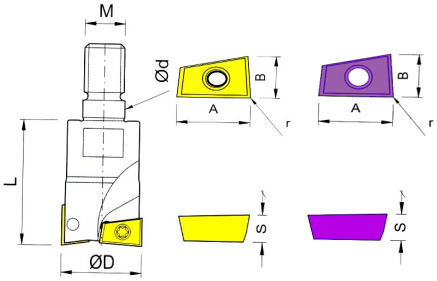
Platten



Best.-Nr.	Preis	A	B	S	d1	r	Best.-Nr.	Preis
9501	11.60	11	6.35	3.5	2.85	0.8	9502	12.60
Bestell-Nr. 9501							Bestell-Nr. 9502	

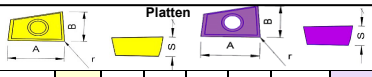
Schraube	Schlüssel
Bestell-Nr. 9507 3.40	Bestell-Nr. 9508 4.70

Art.-Nr. 9510



Best.-Nr. 9510...	D	d	L	M	Z	Preis
..16002	16	8.5	25	M8	2	123.90
..17002	17	8.5	25	M8	2	123.90
..20002	20	10.5	32	M10	2	134.40
..21002	21	10.5	32	M10	2	151.20
..25002	25	12.5	35	M12	2	175.40
..26002	26	12.5	35	M12	2	188.00
..32002	32	17	43	M16	2	235.20
..33002	33	17	43	M16	2	260.40

Platten



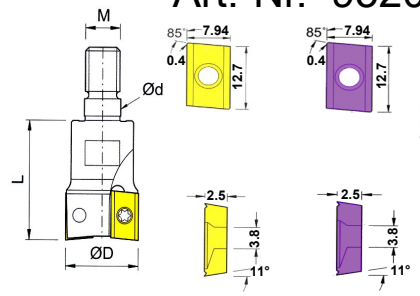
Best.-Nr.	Preis	A	B	S	r	Best.-Nr.	Preis
9511084	**13.70**	8.4	5.5	3	0.8	9512084	**14.70**
9511106	**14.70**	10.6	7	3.5	0.8	9512106	**15.08**
9511131	**14.70**	13.1	8.7	4.2	0.8	9512131	**15.80**
9511165	**15.80**	16.5	11	5.1	0.8	9512165	**16.80**

Bestell-Beispiel: Art.-Nr. 9511084 = Bestell-Nr. 9511084

Schraube	Schlüssel
Best.-Nr. 95171 3.40	Best.-Nr. 95181 4.70
Best.-Nr. 95172 3.40	Best.-Nr. 95182 4.70
Best.-Nr. 95173 3.40	Best.-Nr. 95183 8.40
Best.-Nr. 95174 3.40	Best.-Nr. 95184 8.40

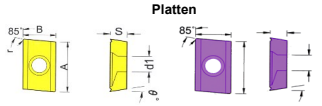
Bestell-Beispiel: Art.-Nr. 9517-1 = Bestell-Nr. 95171

Art.-Nr. 9520



Best.-Nr. 9520...	D	d	L	M	Z	Preis
..25003	25	12.5	35	M12	3	155.40
..26003	26	12.5	35	M12	3	163.80
..32004	32	17	43	M16	4	197.40
..33004	33	17	43	M16	4	235.20

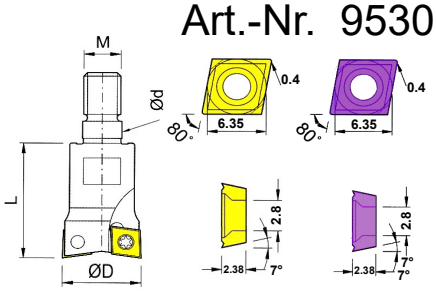
Platten



Best.-Nr.	Preis	A	B	S	d1	r	Ø°	Best.-Nr.	Preis
9521	**11.60**	15.875	9.525	3.18	4.4	0.4	15	9522	**12.60**
Bestell-Nr. 9521								Bestell-Nr. 9522	

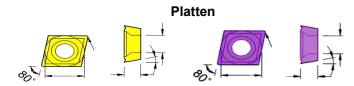
Schraube	Schlüssel
Best.-Nr. 9527 3.40	Best.-Nr. 9528 8.40

Art.-Nr. 9530



Bestell-Nr. 9530...	D	d	L	M	Z	Preis
..17003	17	8.5	23	M8	3	144.90
..21004	21	10.5	30	M10	4	182.70
..26005	26	12.5	35	M12	5	207.90

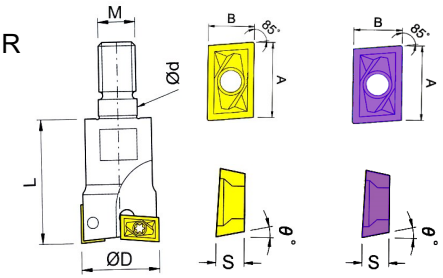
Platten



Best.-Nr.	Preis	lc	s	r	d1	Ø°	Best.-Nr.	Preis
9531	**11.60**	9.525	3.18	0.8	4.4	11	9532	**12.60**
Bestell-Nr. 9531							Bestell-Nr. 9532	

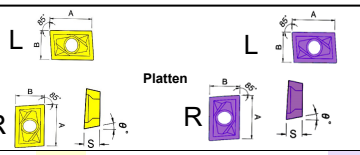
Schraube	Schlüssel
Bestell-Nr. 9537 4.00	Bestell-Nr. 9538 8.40

Art.-Nr. 9540



Best.-Nr. 9540...	D	d	L	M	Z	Preis
..20002	20	10.5	30	M10	2	134.40
..21002	21	10.5	30	M10	2	151.20
..25002	25	12.5	35	M12	2	175.35
..26002	26	12.5	35	M12	2	188.00
..32002	32	17	43	M16	2	235.20

Platten



Best.-Nr.	Preis	A	B	S	r	θ°	Best.-Nr.	Preis
9541104L 9541104R	**14.70**	10.4	6.35	3.18	0.8	15	9542104L 9542104R	**15.80**
9541126L 9541126R	**14.70**	12.6	7.93	3.9	0.8	15	9542126L 9542126R	**15.80**
9541164L 9541164R	**15.80**	16.4	9.53	4.76	0.8	11	9542164L 9542164R	**16.80**

Bestell-Beispiel: Art.-Nr. 9541104L = Bestell-Nr. 9541104l

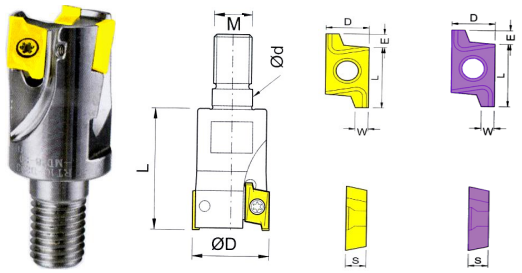
Schraube	Schlüssel
Best.-Nr. 95471 3.40	Best.-Nr. 95481 4.70
Best.-Nr. 95472 3.40	Best.-Nr. 95482 6.30
Best.-Nr. 95473 3.40	Best.-Nr. 95483 8.40

VHM Indexfräser - Changesystem

High - Flyer

TIN + MC3 beschichtet

Art.-Nr. 9550



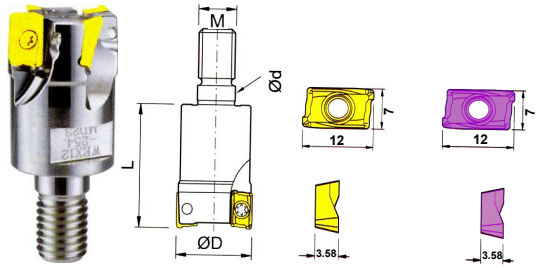
Bestell-Nr. 9550...	D	d	L	M	Z	Preis
	Abmessungen mm					
..12002	12	6.5	20	M6	2	119.70
..13002	13	6.5	20	M6	2	119.70
..16003	16	8.5	23	M8	3	123.90
..17003	17	8.5	23	M8	3	123.90
..20004	20	10.5	30	M10	4	134.40
..21004	21	10.5	30	M10	4	151.20
..25003	25	12.5	35	M12	3	184.80
..26003	26	12.5	35	M12	3	205.80
..32004	32	17	43	M16	4	235.20

Platten

Art.-Nr.	Preis	D	S	M	E	W	Art.-Nr.	Preis
9551	**9.50**	4.3	2.38	2.64	1.5	1.3	9552	**10.50**
Best.-Nr. 9551							Best.-Nr. 9552	
9553	**11.60**	6.35	3.4	3.94	2.1	1.8	9554	**12.60**
Best.-Nr. 9553							Best.-Nr. 9554	

Schraube	Schlüssel
Bestell-Nr. 95571 3.40	Bestell-Nr. 95581 4.70
Bestell-Nr 95572 3.40	Bestell-Nr. 95572 8.40

Art.-Nr. 9560



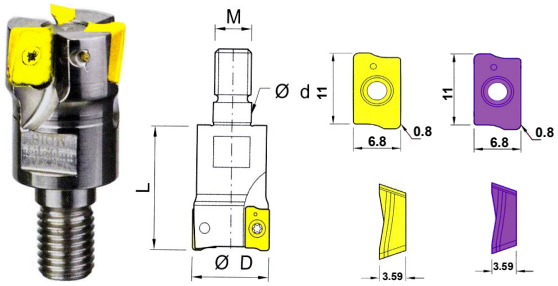
Best.-Nr. 9560...	D	d	L	M	Z	Preis
	Abmessungen mm					
..16002	16	8.5	23	M8	2	102.90
..17002	17	8.5	23	M8	2	102.90
..20003	20	10.5	30	M10	3	121.80
..21003	21	10.5	30	M10	3	121.80
..25004	25	12.5	35	M12	4	191.10
..26004	26	12.5	35	M12	4	205.80
..32005	32	17	43	M16	5	254.10

Platten

Art.-Nr. 9561 Preis	A 12	B 7	S 3.85	r	Art.-Nr. 9562	Preis
9.50	Best.-Nr. 9561r0040			0.4	Best.-Nr. 9562r0040	**10.50**
9.50	Best.-Nr. 9561r0080			0.8	Best.-Nr. 9562r0080	**10.50**
9.50	Best.-Nr. 9561r0120			1.2	Best.-Nr. 9562r0120	**10.50**

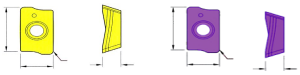
Schraube	Schlüssel
Best.-Nr. 95671 3.40	Best.-Nr. 9568 4.70
Best.-Nr. 95672 3.40	

Art.-Nr. 9570



Best.-Nr. 9570...	D	d	L	M	Z	Preis
	Abmessungen mm					
..16002	16	8.5	25	M8	2	102.90
..17002	17	8.5	25	M8	2	102.90
..20002	20	10.5	30	M10	2	111.30
..20003	20	10.5	30	M10	3	121.80
..21002	21	10.5	30	M10	2	121.80
..21003	21	10.5	30	M10	3	121.80
..25003	25	12.5	35	M12	3	184.80
..25004	25	12.5	35	M12	4	191.10
..26003	26	12.5	35	M12	3	205.80
..32004	32	17	43	M16	4	235.20
..32005	32	17	43	M16	5	254.10

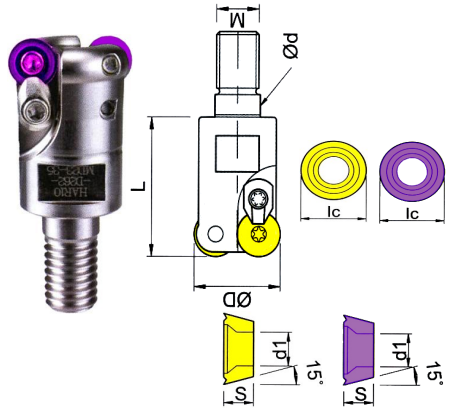
Platten



Art.-Nr.	Preis	A	B	S	r	Art.-Nr.	Preis
Best.-Nr. 9571						Best.-Nr. 9572	
9571	**9.50**	11	6.8	3.59	0.8	9572	**10.50**

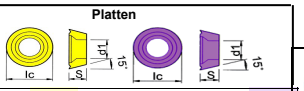
Schraube	Schlüssel
Best.-Nr. 9577 3.40	Best.-Nr. 9578 8.40

Art.-Nr. 9580



Best.-Nr. 9580...	D	d	L	M	Z	Preis
	Abmessungen mm					
..16002	16	8.5	23	M8	2	117.60
..17002	17	8.5	23	M8	2	123.90
..20002	20	10.5	30	M10	2	128.10
..21002	21	10.5	30	M10	2	128.10
..25002	25	12.5	35	M12	2	144.90
..25003	25	12.5	35	M12	3	155.40
..26002	26	12.5	35	M12	2	144.90
..26003	26	12.5	35	M12	3	155.40
..30002	30	17	43	M16	2	167.00
..32003	32	17	43	M16	3	186.90

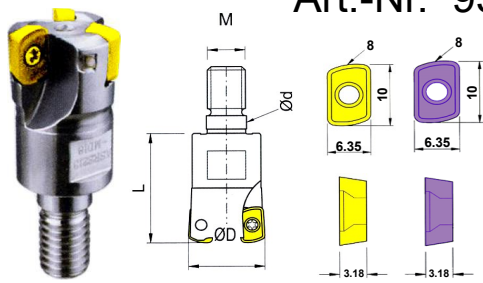
Platten



Art.-Nr.	Preis	Ic	S	d1	Art.-Nr.	Preis
9581	**10.50**	8.0	2.38	3.4	9582080	**11.60**
Best.-Nr. 9581					Best.-Nr. 9582	
9583	**11.60**	10.0	3.97	4.5	9584	**12.60**
Best.-Nr. 9583					Best.-Nr. 9584	

Schraube	Schlüssel	Schraube	Pratze	Schlüssel
Best.-Nr. 95851 3.40	Best.-Nr. 95861 4.70	Best.-Nr. 95871 3.40	Best.-Nr. 95881 12.60	Best.-Nr. 95891 4.70
Best.-Nr. 95852 3.40	Best.-Nr. 95862 8.40	Best.-Nr. 95872 3.40	Best.-Nr. 95882 14.70	Best.-Nr. 95892 8.40

Art.-Nr. 9590



Best.-Nr. 9590...	D	d	L	M	Z	Preis
	Abmessungen mm					
..17002	17	8.5	23	M8	2	123.90
..20003	20	10.5	30	M10	3	134.40
..21003	21	10.5	30	M10	3	151.20
..25004	25	12.5	35	M12	4	175.40
..26003	26	12.5	35	M12	3	188.00
..26004	26	12.5	35	M12	4	198.50
..32004	32	17	43	M16	4	235.20

Platten

Art.-Nr.	Preis	A	B	S	R	Art.-Nr.	Preis
9591	**11.60**	10	6.35	3.18	8	9592	**12.60**
Best.-Nr. 9591						Best.-Nr. 9592	

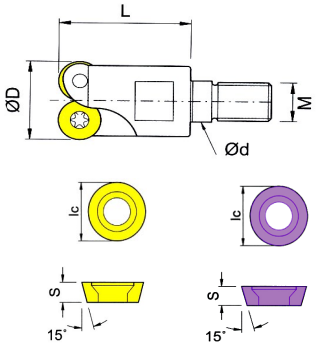
Schraube	Schlüssel
Best.-Nr. 9597 3.40	Best.-Nr. 9598 8.40

VHM Indexfräser - Changesystem

TIN + MC3 beschichtet

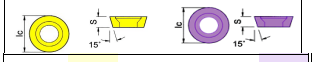
High - Flyer

Art.-Nr. 9600



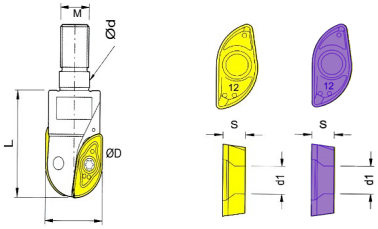
Best.-Nr. 9600...	Abmessungen mm D	d	L	M	Z	Preis
..12002	12	6.5	18	M6	2	79.80
..13002	13	6.5	18	M6	2	98.70
..16003	16	8.5	23	M8	3	123.90
..17003	17	8.5	23	M8	3	130.20
..20003	20	10.5	30	M10	3	130.20
..21003	21	10.5	30	M10	3	130.20
..25004	25	12.5	35	M12	4	155.40
..26004	26	12.5	35	M12	4	163.80
..30003	30	12.5	35	M12	3	176.40
..32003	32	17	43	M16	3	193.20

Platten



Art.-Nr.	Preis	IC	S	Art.-Nr.	Preis	Schraube	Pratze	Schraube	Schlüssel
Best.-Nr. 9601050	8.40	5.0	1.5	Best.-Nr. 9602050	9.50	Best.-Nr. 96061 3.40	----	----	Best.-Nr. 96091 4.70
Best.-Nr. 9601070	10.50	7.0	2.38	Best.-Nr. 9602070	11.60	Best.-Nr. 96062 3.40	----	----	Best.-Nr. 96092 6.80
Best.-Nr. 9601100	12.60	10.0	3.18	Best.-Nr. 9602100	13.70	Best.-Nr. 96063 3.40	---- Best.-Nr. 9607 14.70	---- Best.-Nr. 9608 3.40	Best.-Nr. 96093 8.40

Art.-Nr. 9610



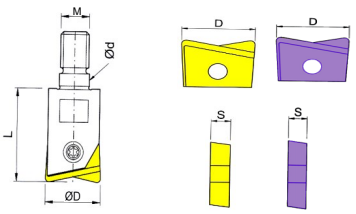
Best.-Nr. 9610...	Abmessungen mm D	d	L	M	Z	Preis
..12002	12	6.5	23	M6	2	102.90
..16002	16	8.5	30	M8	2	128.10
..20002	20	10.5	35	M10	2	150.20
..25002	25	12.5	40	M12	2	193.20

Bestell-Beispiel: Art.-Nr. 9611238 = Best.-Nr. 9611238

Platten

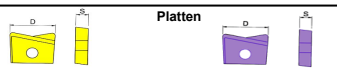
Best.-Nr.	Preis	S	d1	Best.-Nr.	Preis	Schraube	Schlüssel
9611238	16.80	2.38	2.9	9612238	20.00	Best.-Nr. 96171 3.40	Best.-Nr. 96181 4.70
9611318	20.00	3.18	2.9	9612318	23.10	Best.-Nr. 96172 3.40	Best.-Nr. 96182 8.40
9611397	23.10	3.97	4.0	9612397	26.30	Best.-Nr. 96173 3.40	
9611476	27.30	4.76	4.7	9612476	30.50		

Art.-Nr. 9620



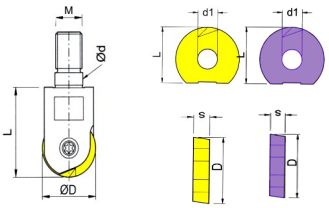
Best.-Nr. 9620...	Abmessungen mm D	d	L	M	Schneiden	Preis
..12001	12	6.5	22	M6	2	195.30
..16001	16	8.5	28	M8	2	260.40
..20001	20	10.5	30	M10	2	298.20

Platten



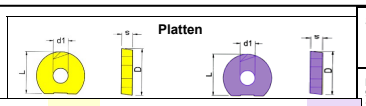
Best.-Nr.	Preis	D	S	R	Best.-Nr.	Preis	Schraube	Schlüssel
962112	20.00	12	3.0	0.8	962212	23.10	Best.-Nr. 96271 3.40	Best.-Nr. 96281 4.70
962116	23.10	16	4.0	1.0	962216	26.30	Best.-Nr. 96272 3.40	Best.-Nr. 96282 4.70
962120	26.30	20	5.0	1.6	962220	29.40	Best.-Nr. 96273 3.40	Best.-Nr. 96283 8.40

Art.-Nr. 9630



Best.-Nr. 9630...	Abmessungen mm D	d	L	M	Schneiden	Preis
..1200221	12	8.5	22	M6	2	88.20
..1200301	12	8.5	30	M8	2	102.90
..1600281	16	8.5	28	M8	2	121.80
..2000301	20	10.5	30	M10	2	134.40
..2500401	25	12.5	40	M12	2	172.20
..3000431	30	17	43	M16	2	195.30

Platten



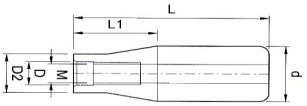
Best.-Nr.	Preis	D +0 -0.03	S	d1	L	Best.-Nr.	Preis	Schraube	Schlüssel
963112	24.20	12	2.5	5	12	963212	25.20	Best.-Nr. 96371 3.40	Best.-Nr. 96381 4.70
963116	29.40	16	3.0	5	14	963216	30.50	Best.-Nr. 96372 3.40	
963120	38.90	20	3.0	5	16	963220	39.90	Best.-Nr. 96373 3.40	
963125	50.40	25	4.0	6	21.5	963225	51.50	Best.-Nr. 96374 3.40	Best.-Nr. 96382 8.40
963130	79.80	30	5.0	8	25.5	963230	81.90	Best.-Nr. 96375 3.40	

HSS- + VHM AUFNAHMEHALTER

HSS

Art.-Nr. 9770

Art.-Nr.9770



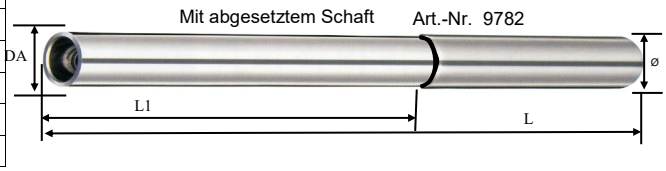
Best.-Nr. 9770...	Abmessungen mm Ø	L	M	D	D2	L1	Preis
..1600150	16	150	M6	6.5	11	32	75.60
..1600200	16	200	M6	6.5	11	32	94.50
..2000200	20	200	M8	8.5	14	50	112.40
..2000250	20	250	M8	8.5	14	50	127.10-
..2500200	25	200	M10	10.5	18	60	130.20-
..2500250	25	250	M10	10.5	18	60	155.40
..3200250	32	250	M12	12.5	23	70	206.90
..3200350	32	350	M12	12.5	23	70	303.50

Art.-Nr. 9780

Mit abgesetztem Schaft Art.-Nr. 9782

Art.-Nr. 9780

Mit abgesetztem Schaft Art.-Nr. 9782



Best.-Nr. 9780... 9782...	VHM Art.-Nr.9780 Abmessungen mm Ø	L	M	D	9780 Preis	VHM Art.-Nr.9782 Nutzlänge Ø DA	L1	9782 Preis
..1200100	12	100	M6	6.5	173.30	11.5	50	194.30
..1200150	12	150	M6	6.5	205.80	11.5	90	226.80
..1600100	16	100	M8	8.5	260.40	15.2	50	281.40
..1600150	16	150	M8	8.5	303.50	15.2	90	324.50
..2000100	20	100	M10	10.5	351.80	18.3	50	372.80
..2000150	20	150	M10	10.5	401.10	18.3	90	422.10
..2000200	20	200	M10	10.5	542.90	18.3	110	563.90
..2500100	25	100	M12	12.5	488.30	23	50	509.30
..2500150	25	150	M12	12.5	618.50	23	90	639.50
..2500200	25	200	M12	12.5	795.90	23	110	816.90
..2500300	25	300	M12	12.5	1158.2	23	200	1179.3
..3200150	32	150	M16	17	958.70	29	90	979.70
..3200200	32	200	M16	17	1230.6	29	110	1251.6

VHM Indexfräser - Changesystem

MC3 beschichtet

Art.-Nr. 9660 B

Art.-Nr. 9660 B

Best.-Nr. 9660b...	Radius R	Zähne	Schneidelänge	Gesamtlänge	Gewinde	Preis
..0600	R6	2	10	32	M6	**59.90**
..0800	R8	2	12	38	M8	**111.30**
..1000	R10	2	16	48	M10	**144.90**

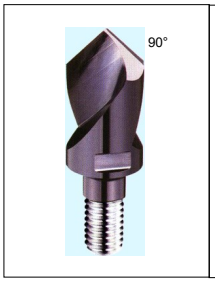
Art.-Nr. 9670 B

Art.-Nr. 9670 B

Art.-Nr. 9670 B

Best.-Nr. 9670b...	Durchmesser Ø mm	Radius R	Zähne	Schneidelänge	Gesamtlänge	Gewinde	Preis
..1200	12	---	4	10	32	M6	**56.70**
..120005	12	0.5	4	10	32	M6	**59.90**
..120010	12	1.0	4	10	32	M6	**59.90**
..1600	16	---	4	12	38	M8	**97.70**
..160005	16	0.5	4	12	38	M8	**100.80**
..160010	16	1.0	4	12	38	M8	**101.90**
..2000	20	---	4	16	48	M10	**115.50**
..200010	20	1.0	4	16	48	M10	**119.70**
..200020	20	2.0	4	16	48	M10	**123.90**

Art.-Nr. 9680 B

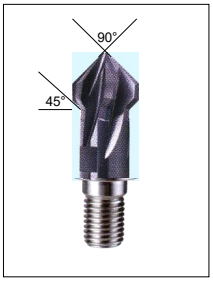


Art.-Nr. 9690 B

Art.-Nr. 9680 B + 9690 B

Best.-Nr. 9680b... 9690b...	Durchmesser Ø mm	Zähne	Schneidelänge	Gesamtlänge	Gewinde	Preis 9680	Preis 9690
..1200	12	2	10	32	M6	**55.70**	**55.70**
..1600	16	2	12	38	M8	**107.10**	**107.10**
..2000	20	2	16	48	M10	**125.00**	**125.00**

Art.-Nr. 9700 B



Vor- + Rückwärts-
entgrater

Art.-Nr. 9700 B

Best.-Nr. 9700b...	Durchmesser Ø mm	Zähne	Schneidelänge	Gesamtlänge	Gewinde	Preis
..1200	12	4	10	32	M6	**42.50**
..1600	16	4	12	38	M8	**111.30**
..2000	20	4	16	48	M10	**130.20**

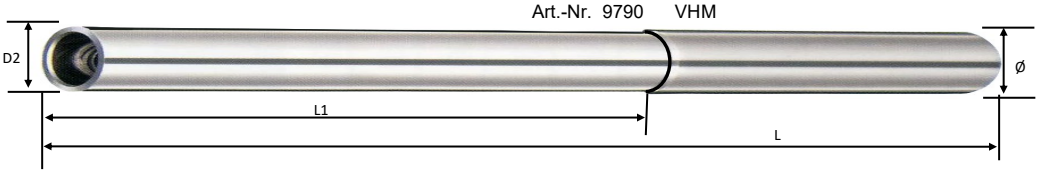
Art.-Nr. 9710 B

Art.-Nr. 9710 B

Best.-Nr. 9710b...	Radius R	Zähne	Schneidelänge	Gesamtlänge	Gewinde	Preis
..0150	R1.5	3	6	32	M6	**81.90**
..0200	R2	4	8	38	M8	**134.40**
..0250	R2.5	4	10	48	M10	**193.20**
..0300	R3	4	8	48	M10	**207.90**

Art.-Nr. 9790 VHM

Art.-Nr. 9790 VHM



VHM Art.-Nr. 9790

Best.-Nr. 9790...	Abmessungen mm Ø	D2	L1	L	M	Preis
..1200150	12	11.5	90	150	M6	**262.50**
..1200200	12	11.5	110	200	M6	**358.10**
..1600150	16	15.2	90	150	M8	**382.20**
..1600200	16	15.2	110	200	M8	**478.80**
..2000150	20	18.3	90	150	M10	**417.90**
..2000200	20	18.3	110	200	M10	**666.80**
..2000250	20	18.3	150	250	M10	**762.30**