



VHM-Senker und VHM-Maschinenreibahlen

E Solid carbide countersinks and
solid carbide machine reamers

I Svasatori in metallo duro integrale,
alesatori in metallo duro integrale

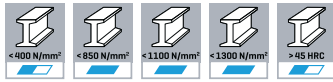


VHM-Senker und VHM-Maschinenreibahlen
Solid carbide countersinks and solid carbide machine reamers
Svasatori in metallo duro integrale, alesatori in metallo duro integrale

D VHM-Kegelsenker
DIN 335 C, 90°

Einsatzbereich:

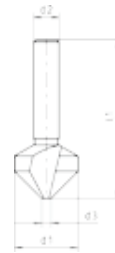
Zum ratterfreien Senken und Entgraten von Stählen, hochfesten Stählen, Grauguss, VA-Werkstoffen sowie siliziumhaltigen Aluminium-Legierungen.



E Solid carbide countersinks
DIN 335 C, 90°

Range of application:

For countersinking and deburring of steels with medium/high tensile strength, cast iron, stainless steels as well as silicium containing aluminium-alloys.



I Svasatori in metallo duro integrale
DIN 335 C, 90°

Impiego:

Svasatura senza vibrazioni e sbavature di acciai tenaci, ghisa grigia, inox, e leghe di alluminio al silicio.



ALUNIT®

d1 _{z9} mm	d2 _{h9} mm	d3 mm	l1 mm	Z	Code 6405 Art.-Nr.	Code 6407 Art.-Nr.
5,30	6,00	1,00	45	3	0 6405005301 00	0 6407005301 00
6,30	6,00	1,50	45	3	0 6405006301 00	0 6407006301 00
8,30	6,00	2,00	45	3	0 6405008301 00	0 6407008301 00
10,40	8,00	2,50	56	3	0 6405010401 00	0 6407010401 00
12,40	8,00	2,80	56	3	0 6405012401 00	0 6407012401 00
14,40	8,00	2,90	56	3	0 6405014401 00	0 6407014401 00
16,50	10,00	3,20	60	3	0 6405016501 00	0 6407016501 00
19,50	10,00	3,50	63	3	0 6405019501 00	0 6407019501 00
20,50	10,00	3,50	63	3	0 6405020501 00	0 6407020501 00
25,00	10,00	3,80	67	3	0 6405025001 00	0 6407025001 00
31,00	12,00	4,20	71	3	0 6405031001 00	0 6407031001 00

Ø 5,30 VHM / solid carbide / metallo duro integrale

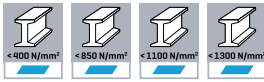
Ø 6,30-31,00 nur VHM-Kopf / only solid carbide cutting part / testa metallo duro integrale

**D EU¹⁾-VHM-NC-
Maschinenreibahlen**

Linksspirale, ähnlich
DIN 8093

Einsatzbereich:

Spiralgenutete Ausführung, 8° Linksspirale, vorwiegend für Durchgangsbohrungen in alle E- und NE-Metalle geeignet.



**E EU¹⁾-Solid carbide NC-
machine reamers**

left hand spiral, similar
to DIN 8093

Range of application:

Ferrous and non-ferrous metals. Slow helix type 8° left hand spiral.



**I Alesatori a macchina NC EU¹⁾
in metallo duro integrale**


elica sinistra,
simili DIN 8093

Impiego:

Alesatori con taglienti elicoidali sinistri a 8° per fori passanti in tutti i materiali ferrosi e non ferrosi.



VHM-Senker und VHM-Maschinenreibahlen
Solid carbide countersinks and solid carbide machine reamers
Svasatori in metallo duro integrale, alesatori in metallo duro integrale

d1 H7 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Z		Code 5210 Art.-Nr.
1,40	4,00	50	9	22	3	Ø 1,30 mm	0 5210001401 00
1,50	4,00	50	9	22	3	Ø 1,40 mm	0 5210001501 00
1,60	4,00	50	10	22	3	Ø 1,50 mm	0 5210001601 00
1,80	4,00	50	11	22	4	Ø 1,70 mm	0 5210001801 00
2,00	4,00	50	12	22	4	Ø 1,90 mm	0 5210002001 00
2,20	4,00	50	12	22	4	Ø 2,10 mm	0 5210002201 00
2,50	4,00	60	16	32	4	Ø 2,40 mm	0 5210002501 00
2,80	4,00	64	17	28	6	Ø 2,70 mm	0 5210002801 00
3,00	4,00	64	17	28	6	Ø 2,90 mm	0 5210003001 00
3,20	4,00	68	18	34	6	Ø 3,10 mm	0 5210003201 00
3,50	4,00	74	20	35	6	Ø 3,40 mm	0 5210003501 00
4,00	4,00	77	21	45	6	Ø 3,90 mm	0 5210004001 00
4,50	6,00	82	23	52	6	Ø 4,40 mm	0 5210004501 00
5,00	6,00	93	26	58	6	Ø 4,90 mm	0 5210005001 00
5,50	6,00	93	26	57	6	Ø 5,30 mm	0 5210005501 00
6,00	6,00	93	26	57	6	Ø 5,80 mm	0 5210006001 00
6,50	6,00	101	28	65	6	Ø 6,30 mm	0 5210006501 00
7,00	8,00	109	31	73	6	Ø 6,80 mm	0 5210007001 00
7,50	8,00	109	31	73	6	Ø 7,30 mm	0 5210007501 00
8,00	8,00	117	33	81	6	Ø 7,80 mm	0 5210008001 00
8,50	10,00	117	33	81	6	Ø 8,30 mm	0 5210008501 00
9,00	10,00	125	36	85	6	Ø 8,80 mm	0 5210009001 00
9,50	10,00	125	36	85	6	Ø 9,30 mm	0 5210009501 00
10,00	10,00	133	38	93	6	Ø 9,80 mm	0 5210010001 00
10,50	10,00	133	38	93	6	Ø 10,30 mm	0 5210010501 00
11,00	10,00	142	41	102	6	Ø 10,80 mm	0 5210011001 00
11,50	10,00	142	41	102	6	Ø 11,30 mm	0 5210011501 00
12,00	10,00	151	44	111	6	Ø 11,80 mm	0 5210012001 00
14,00	14,00	160	47	114	8	Ø 13,80 mm	0 5210014001 00
16,00	14,00	170	52	124	8	Ø 15,80 mm	0 5210016001 00
18,00	14,00	182	56	136	8	Ø 17,80 mm	0 5210018001 00
20,00	16,00	195	60	147	8	Ø 19,80 mm	0 5210020001 00

¹⁾ Ausführung in extrem ungleicher Teilung. / Execution in extremely non-uniform pitch. / Esecuzione con divisione molto irregolare.

²⁾ ganzzahliger Schaftdurchmesser / nominal shank / diam. codolo nominale

Ø 1,40-12,00 VHM / solid carbide / metallo duro integrale

Ø 14,00-20,00 nur VHM-Kopf / only solid carbide cutting part / parte taglienti metallo duro integrale