GÜHRING

Gühring Schweiz AG

LA NOSTRA SELEZIONE TOP DI UTENSILI PER FORARE

Prezzi validi fino al 31.12.2026

P	M	K	N	S	H	Rappresentazione dell'utensile	Profondità di foro	Forma gambo	Tipo	Norma	Refrigerazione interna	Materiale da taglio	Rivestimento	d1/mm	N. art.	Pagina
Micropunte HSS-E-PM senza canali di refrigerazione																
●	●	●	●	○			~5xD	Cyl	N	DIN 1899		HSS-E-PM	TiN	0.160 - 1.900	660	4
Punte elicoidali GU 500 PM																
●	●	●	●	○			~3xD	HA	GU 500 PM	WN		HSS-E-PM	FIRE	1.000 - 20.000	6005	5
●	●	●	●	○			~5xD	HA	GU 500 PM	WN		HSS-E-PM	FIRE	2.000 - 20.000	6006	7
Punte Ratio RT 100 U con canali di refrigerazione																
●	○	●	○	○	○		3xD	HA	RT 100 U	DIN 6537 K		VHM	FIRE	3.000 - 20.000	5510	8
●	○	●	○	○	○		3xD	HB	RT 100 U	DIN 6537 K		VHM	FIRE	3.000 - 20.000	6023	8
●	○	●	○	○			5xD	HA	RT 100 U	WN		VHM	Ferrox	1.000 - 3.000	6497	9
●	○	●	○	○	○		5xD	HA	RT 100 U	DIN 6537 L		VHM	FIRE	2.500 - 20.000	5511	10
●	○	●	○	○	○		5xD	HB	RT 100 U	DIN 6537 L		VHM	FIRE	3.000 - 20.000	5650	10
●	○	●	○	○	○		7xD	HA	RT 100 U	WN		VHM	FIRE	3.000 - 20.000	5512	12
●	○	●	○	○	○		7xD	HE	RT 100 U	WN		VHM	FIRE	3.000 - 20.000	5612	12
●	○	●	○				12xD	HA	RT 100 U	WN		VHM	FIRE	3.000 - 20.000	5525	13
Micropunte ExclusiveLine senza canali di refrigerazione																
●	●	●	○	○			4xD	Cyl	N	WN		VHM	TiAlN Super A	0.500 - 3.000	6400	14
●	●	●	○	○			7xD	Cyl	N	WN		VHM	TiAlN Super A	0.500 - 3.000	6401	14
Micropunte ExclusiveLine con canali di refrigerazione																
●	●	●	○	○			5xD	Cyl	N	WN		VHM	TiAlN	1.000 - 3.000	6405	15
●	●	●	○	○			8xD	Cyl	N	WN		VHM	TiAlN	1.000 - 3.000	6408	15
●	●	●	○	○			15xD	Cyl	N	WN		VHM	TiAlN	1.000 - 3.000	6412	15
●	●	●	○	○			20xD	Cyl	N	WN		VHM	Ferrox	1.000 - 3.000	6493	16
●	●	●	○	○			30xD	~HA	N	WN		VHM	Ferrox	1.000 - 3.000	6494	16
Punte Ratio RT 100 T con canali di refrigerazione																
●	●	●	○	○	○		15xD	HA	RT100 T AL	WN		VHM	TiAlN	3.000 - 16.000	6509	17
●	●	●	○	○	○		20xD	HA	RT100 T AL	WN		VHM	TiAlN	3.000 - 16.000	6511	17
●	●	●	○	○	○		25xD	HA	RT100 T AL	WN		VHM	TiAlN	3.000 - 16.000	6512	17
●	●	●	○	○	○		30xD	HA	RT100 T AL	WN		VHM	TiAlN	3.000 - 14.000	6513	17
Punte pilota RT 100 FB senza canali di refrigerazione																
●	●	●	○	○	○		~3xD	~HA	RT 100 FB	WN		VHM	Ferrox	1.000 - 3.000	6496	18
Punte a fondo piano FB 200 U a 3 taglienti con canali di refrigerazione																
●	●	●	○	○	○		3xD	HA	FB 200 U	WN		VHM	FIRE	4.000 - 20.000	6065	19
●	●	●	○	○	○		5xD	HA	FB 200 U	WN		VHM	FIRE	4.000 - 20.000	6066	20
Micropunte RT 100 AL																
			●				6xD	HA	RT 100 AL	WN		VHM	Carbo+	0.500 - 3.000	8525	21
			●				6xD	HA	RT 100 AL	WN		VHM	Carbo+	1.000 - 3.000	8526	22
			●				10xD	HA	RT 100 AL	WN		VHM	Carbo+	1.000 - 3.000	8527	22
			●				15xD	HA	RT 100 AL	WN		VHM	Carbo+	1.000 - 3.000	8528	22

P	M	K	N	S	H	Rappresentazione dell'utensile	Profondità di foro	Forma gambo	Tipo	Norma	Refrigerazione interna	Materiale da taglio	Rivestimento	d1/mm	N. art.	Pagina
Punte Ratio RT 100 AL con canali di refrigerazione																
			•				3xD	HA	RT 100 AL	DIN 6537 K		VHM	LUCIDO	3.000 - 20.000	6062	23
			•				5xD	HA	RT 100 AL	DIN 6537 L		VHM	LUCIDO	3.000 - 20.000	5768	23
			•				7xD	HA	RT 100 AL	WN		VHM	LUCIDO	3.000 - 20.000	6063	23
			•				12xD	HA	RT 100 AL	WN		VHM	LUCIDO	3.000 - 16.000	6064	23
			•				15xD	HA	RT100 T AL	WN		VHM	LUCIDO	3.000 - 14.000	6515	26
			•				20xD	HA	RT100 T AL	WN		VHM	LUCIDO	3.000 - 14.000	6516	26
Punte InoxPro in metallo duro integrale																
○	•		○	•			3xD	Cyl	INOX PRO	WN		VHM	Perrox	0.500 - 3.000	6487	28
○	•		○	•			3xD	Cyl	INOX PRO	WN		VHM	Perrox	1.000 - 3.000	6488	29
○	•		○	•			6xD	Cyl	INOX PRO	WN		VHM	Perrox	1.000 - 3.000	6489	29
○	•		○	•			10xD	Cyl	INOX PRO	WN		VHM	Perrox	1.000 - 3.000	6490	30
○	•		○	•			15xD	Cyl	INOX PRO	WN		VHM	Perrox	1.000 - 3.000	6491	30
○	•			•			3xD	HA	INOX PRO	DIN 6537 K		VHM	Perrox	3.000 - 20.000	8512	31
○	•			•			5xD	HA	INOX PRO	DIN 6537 L		VHM	Perrox	3.000 - 20.000	8513	31
○	•			•			7xD	HA	INOX PRO	WN		VHM	Perrox	3.000 - 20.000	8514	31
○	•			•			12xD	HA	INOX PRO	WN		VHM	Perrox	3.000 - 16.000	8518	35

GÜHRING
WEBSHOP

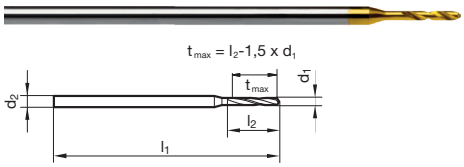
Più di un semplice Webshop: i dati dei vostri utensili a colpo d'occhio

- Ricerca rapida per numero articolo e diametro
- Accesso diretto ai parametri di taglio e alla scheda tecnica
- Scheda tecnica del prodotto in PDF con parametri di taglio e disegno dell'utensile
- Tutte le informazioni tecniche essenziali disponibili in un unico punto
- Un prezioso risparmio di tempo nel lavoro quotidiano

I parametri di taglio sono disponibili su: **webshop.guehring.ch**

Micropunte HSS-E-PM senza canali di refrigerazione

N. art. 660 (cil.)



P	M	K	N	S	H
●	●	●	●	○	

HSS-E-PM | TiN | N | ~5xD | DIN 1899 | 118° | 0/-0,004 | R

Affilatura a piani • con codolo rinforzato • maggiore resistenza all'usura

N. art.	660			
d1 mm	d2 mm	l1 mm	l2 mm	Prezzo netto
0.160	1.00	25.00	1.10	•
0.170	1.00	25.00	1.10	•
0.180	1.00	25.00	1.10	•
0.190	1.00	25.00	1.10	•
0.200	1.00	25.00	1.50	•
0.205	1.00	25.00	1.50	•
0.210	1.00	25.00	1.50	•
0.220	1.00	25.00	1.50	•
0.230	1.00	25.00	1.50	•
0.240	1.00	25.00	1.50	•
0.250	1.00	25.00	1.90	•
0.255	1.00	25.00	1.90	•
0.260	1.00	25.00	1.90	•
0.265	1.00	25.00	1.90	•
0.270	1.00	25.00	1.90	•
0.275	1.00	25.00	1.90	•
0.280	1.00	25.00	1.90	•
0.290	1.00	25.00	1.90	•
0.295	1.00	25.00	1.90	•
0.300	1.00	25.00	1.90	•
0.305	1.00	25.00	2.40	•
0.310	1.00	25.00	2.40	•
0.320	1.00	25.00	2.40	•
0.325	1.00	25.00	2.40	•
0.330	1.00	25.00	2.40	•
0.340	1.00	25.00	2.40	•
0.350	1.00	25.00	2.40	•
0.360	1.00	25.00	2.40	•
0.370	1.00	25.00	2.40	•
0.380	1.00	25.00	2.40	•
0.390	1.00	25.00	3.00	•
0.400	1.00	25.00	3.00	•
0.410	1.00	25.00	3.00	•
0.420	1.00	25.00	3.00	•
0.430	1.00	25.00	3.00	•
0.440	1.00	25.00	3.00	•
0.450	1.00	25.00	3.00	•

N. art.	660			
d1 mm	d2 mm	l1 mm	l2 mm	Prezzo netto
0.460	1.00	25.00	3.00	•
0.470	1.00	25.00	3.00	•
0.480	1.00	25.00	3.00	•
0.490	1.00	25.00	3.40	•
0.500	1.00	25.00	3.40	•
0.510	1.00	25.00	3.40	•
0.520	1.00	25.00	3.40	•
0.530	1.00	25.00	3.40	•
0.540	1.00	25.00	3.90	•
0.550	1.00	25.00	3.90	•
0.560	1.00	25.00	3.90	•
0.570	1.00	25.00	3.90	•
0.580	1.00	25.00	3.90	•
0.590	1.00	25.00	3.90	•
0.600	1.00	25.00	3.90	•
0.610	1.00	25.00	4.20	•
0.620	1.00	25.00	4.20	•
0.630	1.00	25.00	4.20	•
0.640	1.00	25.00	4.20	•
0.650	1.00	25.00	4.20	•
0.660	1.00	25.00	4.20	•
0.670	1.00	25.00	4.20	•
0.680	1.00	25.00	4.80	•
0.690	1.00	25.00	4.80	•
0.700	1.00	25.00	4.80	•
0.710	1.00	25.00	4.80	•
0.720	1.00	25.00	4.80	•
0.730	1.00	25.00	4.80	•
0.740	1.00	25.00	4.80	•
0.750	1.00	25.00	4.80	•
0.760	1.00	25.00	5.30	•
0.770	1.00	25.00	5.30	•
0.780	1.00	25.00	5.30	•
0.790	1.00	25.00	5.30	•
0.800	1.50	25.00	5.30	•
0.810	1.50	25.00	5.30	•
0.820	1.50	25.00	5.30	•

N. art.	660			
d1 mm	d2 mm	l1 mm	l2 mm	Prezzo netto
0.830	1.50	25.00	5.30	•
0.840	1.50	25.00	5.30	•
0.850	1.50	25.00	5.30	•
0.860	1.50	25.00	6.00	•
0.870	1.50	25.00	6.00	•
0.880	1.50	25.00	6.00	•
0.900	1.50	25.00	6.00	•
0.910	1.50	25.00	6.00	•
0.920	1.50	25.00	6.00	•
0.940	1.50	25.00	6.00	•
0.950	1.50	25.00	6.00	•
0.960	1.50	25.00	6.80	•
0.970	1.50	25.00	6.80	•
0.980	1.50	25.00	6.80	•
1.000	1.50	25.00	6.80	•
1.020	1.50	25.00	6.80	•
1.040	1.50	25.00	6.80	•
1.050	1.50	25.00	6.80	•
1.070	1.50	25.00	7.60	•
1.080	1.50	25.00	7.60	•
1.090	1.50	25.00	7.60	•
1.100	1.50	25.00	7.60	•
1.150	1.50	25.00	7.60	•
1.180	1.50	25.00	7.60	•
1.190	1.50	25.00	8.50	•
1.200	1.50	25.00	8.50	•
1.220	1.50	25.00	8.50	•
1.250	1.50	25.00	8.50	•
1.300	1.50	25.00	8.50	•
1.350	1.50	25.00	9.50	•
1.390	1.50	25.00	9.50	•
1.400	1.50	25.00	9.50	•
1.420	1.50	25.00	9.50	•
1.450	1.50	25.00	9.50	•
1.500	2.00	30.00	9.50	•
1.800	2.00	30.00	11.80	•
1.900	2.00	30.00	11.80	•

GÜHRING
NAVIGATOR

La precisione inizia dalla scelta degli utensili

Il Gühring Navigator vi guida alla soluzione ottimale in quattro passaggi:

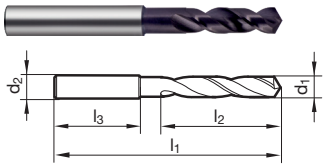
1. Selezionare il gruppo di prodotti e l'applicazione
2. Inserire le dimensioni
3. Definire il materiale e la resistenza
4. Trovare l'utensile migliore

webnavigator.guehring.de

Punte elicoidali GU 500 PM

SuperLine

N. art. 6005 (HA)



P	M	K	N	S	H
●	●	●	●	○	

HSS-E-PM · FIRE · GU 500 PM · ~3xD · WN · 118° · h8 · R

Assott. del nocc. ≥ Ø 1,000 • punta elicoidale ad alte prestazioni • acciaio sinterizzato • affilatura a 4 piani • bassa forza di avanzamento • coppia ridotta • impiego universale

N. art. **6005**

d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
1.00	3.00	38.00	6.00	28.00	•
1.05	3.00	38.00	6.00	28.00	•
1.10	3.00	39.00	7.00	28.00	•
1.15	3.00	39.00	7.00	28.00	•
1.20	3.00	40.00	8.00	28.00	•
1.25	3.00	40.00	8.00	28.00	•
1.30	3.00	40.00	8.00	28.00	•
1.35	3.00	41.00	9.00	28.00	•
1.40	3.00	41.00	9.00	28.00	•
1.45	3.00	41.00	9.00	28.00	•
1.50	3.00	41.00	9.00	28.00	•
1.55	3.00	42.00	10.00	28.00	•
1.60	3.00	42.00	10.00	28.00	•
1.65	3.00	42.00	10.00	28.00	•
1.70	3.00	42.00	10.00	28.00	•
1.75	3.00	43.00	11.00	28.00	•
1.80	3.00	43.00	11.00	28.00	•
1.85	3.00	43.00	11.00	28.00	•
1.90	3.00	43.00	11.00	28.00	•
1.95	3.00	44.00	12.00	28.00	•
2.00	3.00	44.00	12.00	28.00	•
2.05	3.00	44.00	12.00	28.00	•
2.10	3.00	44.00	12.00	28.00	•
2.15	3.00	45.00	13.00	28.00	•
2.20	3.00	45.00	13.00	28.00	•
2.25	3.00	45.00	13.00	28.00	•
2.30	3.00	45.00	13.00	28.00	•
2.35	3.00	45.00	13.00	28.00	•
2.38	3.00	46.00	14.00	28.00	•
2.40	3.00	46.00	14.00	28.00	•
2.45	3.00	46.00	14.00	28.00	•
2.50	3.00	46.00	14.00	28.00	•
2.55	3.00	46.00	14.00	28.00	•
2.60	3.00	46.00	14.00	28.00	•
2.65	3.00	46.00	14.00	28.00	•
2.70	3.00	48.00	16.00	28.00	•
2.75	3.00	48.00	16.00	28.00	•
2.78	3.00	48.00	16.00	28.00	•
2.80	3.00	48.00	16.00	28.00	•
2.85	3.00	48.00	16.00	28.00	•
2.90	3.00	48.00	16.00	28.00	•
2.95	3.00	48.00	16.00	28.00	•
3.00	3.00	48.00	16.00	28.00	•
3.05	4.00	50.00	18.00	28.00	•
3.10	4.00	50.00	18.00	28.00	•
3.15	4.00	50.00	18.00	28.00	•
3.17	4.00	50.00	18.00	28.00	•
3.20	4.00	50.00	18.00	28.00	•
3.25	4.00	50.00	18.00	28.00	•
3.30	4.00	50.00	18.00	28.00	•
3.35	4.00	50.00	18.00	28.00	•
3.40	4.00	52.00	20.00	28.00	•
3.45	4.00	52.00	20.00	28.00	•

N. art. **6005**

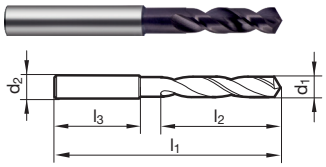
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
3.50	4.00	52.00	20.00	28.00	•
3.55	4.00	52.00	20.00	28.00	•
3.57	4.00	52.00	20.00	28.00	•
3.60	4.00	52.00	20.00	28.00	•
3.65	4.00	52.00	20.00	28.00	•
3.70	4.00	52.00	20.00	28.00	•
3.75	4.00	52.00	20.00	28.00	•
3.80	4.00	54.00	22.00	28.00	•
3.85	4.00	54.00	22.00	28.00	•
3.90	4.00	54.00	22.00	28.00	•
3.95	4.00	54.00	22.00	28.00	•
3.97	4.00	54.00	22.00	28.00	•
4.00	4.00	54.00	22.00	28.00	•
4.05	6.00	66.00	22.00	36.00	•
4.10	6.00	66.00	22.00	36.00	•
4.15	6.00	66.00	22.00	36.00	•
4.20	6.00	66.00	22.00	36.00	•
4.25	6.00	66.00	22.00	36.00	•
4.30	6.00	68.00	24.00	36.00	•
4.35	6.00	68.00	24.00	36.00	•
4.37	6.00	68.00	24.00	36.00	•
4.40	6.00	68.00	24.00	36.00	•
4.45	6.00	68.00	24.00	36.00	•
4.50	6.00	68.00	24.00	36.00	•
4.55	6.00	68.00	24.00	36.00	•
4.60	6.00	68.00	24.00	36.00	•
4.65	6.00	68.00	24.00	36.00	•
4.70	6.00	68.00	24.00	36.00	•
4.75	6.00	68.00	24.00	36.00	•
4.76	6.00	70.00	26.00	36.00	•
4.80	6.00	70.00	26.00	36.00	•
4.85	6.00	70.00	26.00	36.00	•
4.90	6.00	70.00	26.00	36.00	•
4.95	6.00	70.00	26.00	36.00	•
5.00	6.00	70.00	26.00	36.00	•
5.05	6.00	70.00	26.00	36.00	•
5.10	6.00	70.00	26.00	36.00	•
5.15	6.00	70.00	26.00	36.00	•
5.16	6.00	70.00	26.00	36.00	•
5.20	6.00	70.00	26.00	36.00	•
5.25	6.00	70.00	26.00	36.00	•
5.30	6.00	70.00	26.00	36.00	•
5.35	6.00	72.00	28.00	36.00	•
5.40	6.00	72.00	28.00	36.00	•
5.45	6.00	72.00	28.00	36.00	•
5.50	6.00	72.00	28.00	36.00	•
5.55	6.00	72.00	28.00	36.00	•
5.56	6.00	72.00	28.00	36.00	•
5.60	6.00	72.00	28.00	36.00	•
5.65	6.00	72.00	28.00	36.00	•
5.70	6.00	72.00	28.00	36.00	•
5.75	6.00	72.00	28.00	36.00	•
5.80	6.00	72.00	28.00	36.00	•

N. art. **6005**

d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
5.85	6.00	72.00	28.00	36.00	•
5.90	6.00	72.00	28.00	36.00	•
5.95	6.00	72.00	28.00	36.00	•
6.00	6.00	72.00	28.00	36.00	•
6.05	8.00	75.00	31.00	36.00	•
6.10	8.00	75.00	31.00	36.00	•
6.15	8.00	75.00	31.00	36.00	•
6.20	8.00	75.00	31.00	36.00	•
6.25	8.00	75.00	31.00	36.00	•
6.30	8.00	75.00	31.00	36.00	•
6.35	8.00	75.00	31.00	36.00	•
6.40	8.00	75.00	31.00	36.00	•
6.45	8.00	75.00	31.00	36.00	•
6.50	8.00	75.00	31.00	36.00	•
6.55	8.00	75.00	31.00	36.00	•
6.60	8.00	75.00	31.00	36.00	•
6.65	8.00	75.00	31.00	36.00	•
6.70	8.00	75.00	31.00	36.00	•
6.75	8.00	78.00	34.00	36.00	•
6.80	8.00	78.00	34.00	36.00	•
6.85	8.00	78.00	34.00	36.00	•
6.90	8.00	78.00	34.00	36.00	•
6.95	8.00	78.00	34.00	36.00	•
7.00	8.00	78.00	34.00	36.00	•
7.05	8.00	78.00	34.00	36.00	•
7.10	8.00	78.00	34.00	36.00	•
7.14	8.00	78.00	34.00	36.00	•
7.15	8.00	78.00	34.00	36.00	•
7.20	8.00	78.00	34.00	36.00	•
7.25	8.00	78.00	34.00	36.00	•
7.30	8.00	78.00	34.00	36.00	•
7.35	8.00	78.00	34.00	36.00	•
7.40	8.00	78.00	34.00	36.00	•
7.45	8.00	78.00	34.00	36.00	•
7.50	8.00	78.00	34.00	36.00	•
7.54	8.00	81.00	37.00	36.00	•
7.55	8.00	81.00	37.00	36.00	•
7.60	8.00	81.00	37.00	36.00	•
7.65	8.00	81.00	37.00	36.00	•
7.70	8.00	81.00	37.00	36.00	•
7.75	8.00	81.00	37.00	36.00	•
7.80	8.00	81.00	37.00	36.00	•
7.85	8.00	81.00	37.00	36.00	•
7.90	8.00	81.00	37.00	36.00	•
7.94	8.00	81.00	37.00	36.00	•
7.95	8.00	81.00	37.00	36.00	•
8.00	8.00	81.00	37.00	36.00	•
8.05	10.00	87.00	37.00	40.00	•
8.10	10.00	87.00	37.00	40.00	•
8.15	10.00	87.00	37.00	40.00	•
8.20	10.00	87.00	37.00	40.00	•
8.30	10.00	87.00	37.00	40.00	•
8.33	10.00	87.00	37.00	40.00	•

SuperLine

N. art. 6005 (HA)



P	M	K	N	S	H
●	●	●	●	○	

HSS-E-PM · FIRE · GU 500 PM · ~3xD · WN · 118° · h8 · R

Assott. del nocc. ≥ Ø 1,000 • punta elicoidale ad alte prestazioni • acciaio sinterizzato • affilatura a 4 piani • bassa forza di avanzamento • coppia ridotta • impiego universale

N. art. 6005					
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
8.40	10.00	87.00	37.00	40.00	•
8.50	10.00	87.00	37.00	40.00	•
8.60	10.00	91.00	40.00	40.00	•
8.70	10.00	91.00	40.00	40.00	•
8.73	10.00	91.00	40.00	40.00	•
8.80	10.00	91.00	40.00	40.00	•
8.90	10.00	91.00	40.00	40.00	•
9.00	10.00	91.00	40.00	40.00	•
9.10	10.00	91.00	40.00	40.00	•
9.13	10.00	91.00	40.00	40.00	•
9.20	10.00	91.00	40.00	40.00	•
9.30	10.00	91.00	40.00	40.00	•
9.40	10.00	91.00	40.00	40.00	•
9.50	10.00	91.00	40.00	40.00	•
9.52	10.00	93.00	43.00	40.00	•
9.55	10.00	93.00	43.00	40.00	•
9.60	10.00	93.00	43.00	40.00	•
9.70	10.00	93.00	43.00	40.00	•
9.80	10.00	93.00	43.00	40.00	•
9.90	10.00	93.00	43.00	40.00	•
9.92	10.00	93.00	43.00	40.00	•
10.00	10.00	93.00	43.00	40.00	•
10.10	12.00	100.00	43.00	45.00	•
10.20	12.00	100.00	43.00	45.00	•
10.30	12.00	100.00	43.00	45.00	•
10.32	12.00	100.00	43.00	45.00	•

N. art. 6005					
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
10.40	12.00	100.00	43.00	45.00	•
10.50	12.00	100.00	43.00	45.00	•
10.60	12.00	100.00	43.00	45.00	•
10.70	12.00	104.00	47.00	45.00	•
10.72	12.00	104.00	47.00	45.00	•
10.80	12.00	104.00	47.00	45.00	•
10.90	12.00	104.00	47.00	45.00	•
11.00	12.00	104.00	47.00	45.00	•
11.10	12.00	104.00	47.00	45.00	•
11.11	12.00	104.00	47.00	45.00	•
11.20	12.00	104.00	47.00	45.00	•
11.30	12.00	104.00	47.00	45.00	•
11.40	12.00	104.00	47.00	45.00	•
11.50	12.00	104.00	47.00	45.00	•
11.51	12.00	104.00	47.00	45.00	•
11.60	12.00	104.00	47.00	45.00	•
11.70	12.00	104.00	47.00	45.00	•
11.80	12.00	104.00	47.00	45.00	•
11.90	12.00	108.00	51.00	45.00	•
11.91	12.00	108.00	51.00	45.00	•
12.00	12.00	108.00	51.00	45.00	•
12.10	16.00	111.00	51.00	48.00	•
12.20	16.00	111.00	51.00	48.00	•
12.30	16.00	111.00	51.00	48.00	•
12.40	16.00	111.00	51.00	48.00	•
12.50	16.00	111.00	51.00	48.00	•

N. art. 6005					
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
12.60	16.00	111.00	51.00	48.00	•
12.70	16.00	111.00	51.00	48.00	•
12.80	16.00	111.00	51.00	48.00	•
12.90	16.00	111.00	51.00	48.00	•
13.00	16.00	111.00	51.00	48.00	•
13.10	16.00	111.00	51.00	48.00	•
13.49	16.00	114.00	54.00	48.00	•
13.50	16.00	114.00	54.00	48.00	•
13.89	16.00	114.00	54.00	48.00	•
14.00	16.00	114.00	54.00	48.00	•
14.29	16.00	116.00	56.00	48.00	•
14.50	16.00	116.00	56.00	48.00	•
15.00	16.00	116.00	56.00	48.00	•
15.50	16.00	118.00	58.00	48.00	•
15.87	16.00	118.00	58.00	48.00	•
16.00	16.00	118.00	58.00	48.00	•
16.50	20.00	126.00	60.00	50.00	•
16.67	20.00	126.00	60.00	50.00	•
17.00	20.00	126.00	60.00	50.00	•
17.50	20.00	128.00	62.00	50.00	•
18.00	20.00	128.00	62.00	50.00	•
18.50	20.00	130.00	64.00	50.00	•
19.00	20.00	130.00	64.00	50.00	•
19.50	20.00	132.00	66.00	50.00	•
20.00	20.00	132.00	66.00	50.00	•

GU 500 PM

IMPIEGO UNIVERSALE IN QUASI TUTTI I MATERIALI

GU 500 PM
Prestazioni ancora superiori grazie all'HSS-E-PM e al rivestimento multistrato

Serraggio e foratura di alta precisione grazie al codolo HA rinforzato con tolleranza h6

Evacuazione ottimale dei trucioli grazie al profilo arrotondato della scanalatura

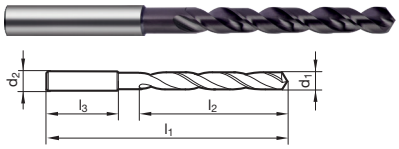
Angolo di punta di 118°: taglienti principali più lunghi, minore pressione di contatto, usura ridotta e maggiore durata utensile

Prestazioni elevate e grande resistenza all'usura grazie all'acciaio prodotto con metallurgia delle polveri e al rivestimento multistrato

Basse forze di avanzamento e coppie ridotte grazie all'affilatura di precisione

GÜHRING

N. art. 6006 (HA)



P	M	K	N	S	H
●	●	●	●	○	

HSS-E-PM · FIRE · GU 500 PM · ~5xD · WN · 118° · h8 · R

Assott. del nocc. ≥ Ø 1,000 • punta elicoidale ad alte prestazioni • acciaio sinterizzato • affilatura a 4 piani • bassa forza di avanzamento • coppia ridotta • impiego universale

N. art. 6006

d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
2.00	3.00	56.00	24.00	28.00	•
2.10	3.00	56.00	24.00	28.00	•
2.20	3.00	59.00	27.00	28.00	•
2.30	3.00	59.00	27.00	28.00	•
2.38	3.00	62.00	30.00	28.00	•
2.40	3.00	62.00	30.00	28.00	•
2.50	3.00	62.00	30.00	28.00	•
2.60	3.00	62.00	30.00	28.00	•
2.70	3.00	65.00	33.00	28.00	•
2.78	3.00	65.00	33.00	28.00	•
2.80	3.00	65.00	33.00	28.00	•
2.90	3.00	65.00	33.00	28.00	•
3.00	3.00	65.00	33.00	28.00	•
3.10	4.00	68.00	36.00	28.00	•
3.17	4.00	68.00	36.00	28.00	•
3.20	4.00	68.00	36.00	28.00	•
3.30	4.00	68.00	36.00	28.00	•
3.40	4.00	71.00	39.00	28.00	•
3.50	4.00	71.00	39.00	28.00	•
3.57	4.00	71.00	39.00	28.00	•
3.60	4.00	71.00	39.00	28.00	•
3.70	4.00	71.00	39.00	28.00	•
3.80	4.00	75.00	43.00	28.00	•
3.90	4.00	75.00	43.00	28.00	•
3.97	4.00	75.00	43.00	28.00	•
4.00	4.00	75.00	43.00	28.00	•
4.10	6.00	87.00	43.00	36.00	•
4.20	6.00	87.00	43.00	36.00	•
4.30	6.00	91.00	47.00	36.00	•
4.37	6.00	91.00	47.00	36.00	•
4.40	6.00	91.00	47.00	36.00	•
4.50	6.00	91.00	47.00	36.00	•
4.60	6.00	91.00	47.00	36.00	•
4.65	6.00	91.00	47.00	36.00	•
4.70	6.00	91.00	47.00	36.00	•
4.76	6.00	96.00	52.00	36.00	•
4.80	6.00	96.00	52.00	36.00	•
4.90	6.00	96.00	52.00	36.00	•
5.00	6.00	96.00	52.00	36.00	•
5.10	6.00	96.00	52.00	36.00	•
5.16	6.00	96.00	52.00	36.00	•
5.20	6.00	96.00	52.00	36.00	•
5.30	6.00	96.00	52.00	36.00	•
5.40	6.00	101.00	57.00	36.00	•
5.50	6.00	101.00	57.00	36.00	•
5.55	6.00	101.00	57.00	36.00	•
5.56	6.00	101.00	57.00	36.00	•
5.60	6.00	101.00	57.00	36.00	•
5.70	6.00	101.00	57.00	36.00	•
5.80	6.00	101.00	57.00	36.00	•
5.90	6.00	101.00	57.00	36.00	•
5.95	6.00	101.00	57.00	36.00	•
6.00	6.00	101.00	57.00	36.00	•
6.10	8.00	107.00	63.00	36.00	•

N. art. 6006

d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
6.20	8.00	107.00	63.00	36.00	•
6.30	8.00	107.00	63.00	36.00	•
6.35	8.00	107.00	63.00	36.00	•
6.40	8.00	107.00	63.00	36.00	•
6.50	8.00	107.00	63.00	36.00	•
6.60	8.00	107.00	63.00	36.00	•
6.70	8.00	107.00	63.00	36.00	•
6.75	8.00	113.00	69.00	36.00	•
6.80	8.00	113.00	69.00	36.00	•
6.90	8.00	113.00	69.00	36.00	•
7.00	8.00	113.00	69.00	36.00	•
7.10	8.00	113.00	69.00	36.00	•
7.14	8.00	113.00	69.00	36.00	•
7.20	8.00	113.00	69.00	36.00	•
7.30	8.00	113.00	69.00	36.00	•
7.40	8.00	113.00	69.00	36.00	•
7.50	8.00	113.00	69.00	36.00	•
7.54	8.00	119.00	75.00	36.00	•
7.55	8.00	119.00	75.00	36.00	•
7.60	8.00	119.00	75.00	36.00	•
7.70	8.00	119.00	75.00	36.00	•
7.80	8.00	119.00	75.00	36.00	•
7.90	8.00	119.00	75.00	36.00	•
7.94	8.00	119.00	75.00	36.00	•
8.00	8.00	119.00	75.00	36.00	•
8.10	10.00	125.00	75.00	40.00	•
8.20	10.00	125.00	75.00	40.00	•
8.30	10.00	125.00	75.00	40.00	•
8.33	10.00	125.00	75.00	40.00	•
8.40	10.00	125.00	75.00	40.00	•
8.50	10.00	125.00	75.00	40.00	•
8.60	10.00	131.00	81.00	40.00	•
8.70	10.00	131.00	81.00	40.00	•
8.73	10.00	131.00	81.00	40.00	•
8.80	10.00	131.00	81.00	40.00	•
8.90	10.00	131.00	81.00	40.00	•
9.00	10.00	131.00	81.00	40.00	•
9.10	10.00	131.00	81.00	40.00	•
9.13	10.00	131.00	81.00	40.00	•
9.20	10.00	131.00	81.00	40.00	•
9.30	10.00	131.00	81.00	40.00	•
9.40	10.00	131.00	81.00	40.00	•
9.50	10.00	131.00	81.00	40.00	•
9.52	10.00	137.00	87.00	40.00	•
9.55	10.00	137.00	87.00	40.00	•
9.60	10.00	137.00	87.00	40.00	•
9.70	10.00	137.00	87.00	40.00	•
9.80	10.00	137.00	87.00	40.00	•
9.90	10.00	137.00	87.00	40.00	•
9.92	10.00	137.00	87.00	40.00	•
10.00	10.00	137.00	87.00	40.00	•
10.10	12.00	144.00	87.00	45.00	•
10.20	12.00	144.00	87.00	45.00	•
10.30	12.00	144.00	87.00	45.00	•

N. art. 6006

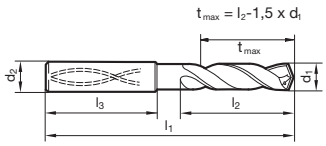
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
10.32	12.00	144.00	87.00	45.00	•
10.40	12.00	144.00	87.00	45.00	•
10.50	12.00	144.00	87.00	45.00	•
10.60	12.00	144.00	87.00	45.00	•
10.70	12.00	151.00	94.00	45.00	•
10.72	12.00	151.00	94.00	45.00	•
10.80	12.00	151.00	94.00	45.00	•
10.90	12.00	151.00	94.00	45.00	•
11.00	12.00	151.00	94.00	45.00	•
11.10	12.00	151.00	94.00	45.00	•
11.11	12.00	151.00	94.00	45.00	•
11.20	12.00	151.00	94.00	45.00	•
11.30	12.00	151.00	94.00	45.00	•
11.40	12.00	151.00	94.00	45.00	•
11.50	12.00	151.00	94.00	45.00	•
11.51	12.00	151.00	94.00	45.00	•
11.60	12.00	151.00	94.00	45.00	•
11.70	12.00	151.00	94.00	45.00	•
11.80	12.00	151.00	94.00	45.00	•
11.90	12.00	158.00	101.00	45.00	•
11.91	12.00	158.00	101.00	45.00	•
12.00	12.00	158.00	101.00	45.00	•
12.10	16.00	161.00	101.00	48.00	•
12.20	16.00	161.00	101.00	48.00	•
12.30	16.00	161.00	101.00	48.00	•
12.40	16.00	161.00	101.00	48.00	•
12.50	16.00	161.00	101.00	48.00	•
12.60	16.00	161.00	101.00	48.00	•
12.70	16.00	161.00	101.00	48.00	•
12.80	16.00	161.00	101.00	48.00	•
12.90	16.00	161.00	101.00	48.00	•
13.00	16.00	161.00	101.00	48.00	•
13.10	16.00	161.00	101.00	48.00	•
13.49	16.00	166.00	106.00	48.00	•
13.50	16.00	166.00	106.00	48.00	•
13.89	16.00	166.00	106.00	48.00	•
14.00	16.00	166.00	106.00	48.00	•
14.29	16.00	169.00	109.00	48.00	•
14.50	16.00	169.00	109.00	48.00	•
15.00	16.00	169.00	109.00	48.00	•
15.50	16.00	172.00	112.00	48.00	•
15.87	16.00	172.00	112.00	48.00	•
16.00	16.00	172.00	112.00	48.00	•
16.50	20.00	181.00	115.00	50.00	•
16.67	20.00	181.00	115.00	50.00	•
17.00	20.00	181.00	115.00	50.00	•
17.46	20.00	184.00	118.00	50.00	•
17.50	20.00	184.00	118.00	50.00	•
18.00	20.00	184.00	118.00	50.00	•
18.50	20.00	188.00	122.00	50.00	•
19.00	20.00	188.00	122.00	50.00	•
19.50	20.00	191.00	125.00	50.00	•
20.00	20.00	191.00	125.00	50.00	•

Punte Ratio con canali di refrigerazione

SuperLine

N. art. 5510 (HA)

N. art. 6023 (HB)



P	M	K	N	S	H
●	○	●	○	○	○

VHM | FIRE | RT 100 U | 3xD | DIN 6537 K | 140° | m7 | R

Assott. del nocc. ≥ Ø 3,000 • affilatura a piani • taglienti principali diritti • geometria di taglio ottimizzata • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai (legati/non legati) fino a 1200 N/mm² • ghise • bronzo, ottone • leghe AlSi ad alto tenore di silicio

d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	N. art. 5510 Prezzo netto	N. art. 6023 Prezzo netto
3.00	6	62	20	36	•	•
3.10	6	62	20	36	•	•
3.17	6	62	20	36	•	•
3.20	6	62	20	36	•	•
3.25	6	62	20	36	•	•
3.30	6	62	20	36	•	•
3.40	6	62	20	36	•	•
3.50	6	62	20	36	•	•
3.57	6	62	20	36	•	•
3.60	6	62	20	36	•	•
3.70	6	62	20	36	•	•
3.80	6	66	24	36	•	•
3.90	6	66	24	36	•	•
3.97	6	66	24	36	•	•
4.00	6	66	24	36	•	•
4.04	6	66	24	36	•	•
4.10	6	66	24	36	•	•
4.20	6	66	24	36	•	•
4.30	6	66	24	36	•	•
4.37	6	66	24	36	•	•
4.40	6	66	24	36	•	•
4.50	6	66	24	36	•	•
4.60	6	66	24	36	•	•
4.65	6	66	24	36	•	•
4.70	6	66	24	36	•	•
4.76	6	66	28	36	•	•
4.80	6	66	28	36	•	•
4.90	6	66	28	36	•	•
5.00	6	66	28	36	•	•
5.10	6	66	28	36	•	•
5.11	6	66	28	36	•	•
5.16	6	66	28	36	•	•
5.20	6	66	28	36	•	•
5.25	6	66	28	36	•	•
5.30	6	66	28	36	•	•
5.40	6	66	28	36	•	•
5.41	6	66	28	36	•	•
5.50	6	66	28	36	•	•
5.55	6	66	28	36	•	•
5.56	6	66	28	36	•	•
5.60	6	66	28	36	•	•
5.65	6	66	28	36	•	•
5.70	6	66	28	36	•	•
5.75	6	66	28	36	•	•
5.80	6	66	28	36	•	•
5.90	6	66	28	36	•	•
5.95	6	66	28	36	•	•
6.00	6	66	28	36	•	•
6.10	8	79	34	36	•	•
6.20	8	79	34	36	•	•
6.30	8	79	34	36	•	•
6.35	8	79	34	36	•	•
6.40	8	79	34	36	•	•
6.50	8	79	34	36	•	•
6.53	8	79	34	36	•	•
6.60	8	79	34	36	•	•
6.70	8	79	34	36	•	•
6.75	8	79	34	36	•	•
6.80	8	79	34	36	•	•
6.90	8	79	34	36	•	•
7.00	8	79	34	36	•	•
7.10	8	79	41	36	•	•
7.14	8	79	41	36	•	•
7.20	8	79	41	36	•	•
7.30	8	79	41	36	•	•
7.40	8	79	41	36	•	•
7.45	8	79	41	36	•	•
7.50	8	79	41	36	•	•
7.54	8	79	41	36	•	•
7.60	8	79	41	36	•	•
7.70	8	79	41	36	•	•
7.80	8	79	41	36	•	•
7.90	8	79	41	36	•	•
7.94	8	79	41	36	•	•
8.00	8	79	41	36	•	•
8.10	10	89	47	40	•	•
8.20	10	89	47	40	•	•
8.30	10	89	47	40	•	•
8.33	10	89	47	40	•	•
8.40	10	89	47	40	•	•
8.50	10	89	47	40	•	•
8.55	10	89	47	40	•	•
8.60	10	89	47	40	•	•
8.70	10	89	47	40	•	•
8.73	10	89	47	40	•	•
8.80	10	89	47	40	•	•
8.90	10	89	47	40	•	•
9.00	10	89	47	40	•	•
9.10	10	89	47	40	•	•
9.13	10	89	47	40	•	•
9.20	10	89	47	40	•	•
9.25	10	89	47	40	•	•
9.30	10	89	47	40	•	•
9.34	10	89	47	40	•	•
9.40	10	89	47	40	•	•
9.50	10	89	47	40	•	•
9.52	10	89	47	40	•	•
9.60	10	89	47	40	•	•
9.70	10	89	47	40	•	•
9.80	10	89	47	40	•	•
9.90	10	89	47	40	•	•
9.92	10	89	47	40	•	•
10.00	10	89	47	40	•	•
10.10	12	102	55	45	•	•
10.20	12	102	55	45	•	•
10.30	12	102	55	45	•	•
10.32	12	102	55	45	•	•
10.40	12	102	55	45	•	•
10.50	12	102	55	45	•	•
10.60	12	102	55	45	•	•
10.70	12	102	55	45	•	•
10.72	12	102	55	45	•	•
10.80	12	102	55	45	•	•
10.90	12	102	55	45	•	•
11.00	12	102	55	45	•	•
11.10	12	102	55	45	•	•
11.11	12	102	55	45	•	•
11.20	12	102	55	45	•	•
11.30	12	102	55	45	•	•
11.40	12	102	55	45	•	•
11.50	12	102	55	45	•	•
11.51	12	102	55	45	•	•
11.55	12	102	55	45	•	
11.60	12	102	55	45	•	•
11.70	12	102	55	45	•	•
11.80	12	102	55	45	•	•
11.90	12	102	55	45	•	•
11.91	12	102	55	45	•	•
12.00	12	102	55	45	•	•
12.10	14	107	60	45	•	•
12.20	14	107	60	45	•	•
12.30	14	107	60	45	•	•
12.40	14	107	60	45	•	•
12.50	14	107	60	45	•	•
12.60	14	107	60	45	•	•
12.70	14	107	60	45	•	•
12.80	14	107	60	45	•	•
12.90	14	107	60	45	•	•
13.00	14	107	60	45	•	•
13.10	14	107	60	45	•	•
13.20	14	107	60	45	•	•
13.30	14	107	60	45	•	•
13.40	14	107	60	45	•	•
13.49	14	107	60	45	•	•
13.50	14	107	60	45	•	•
13.60	14	107	60	45	•	•
13.70	14	107	60	45	•	•
13.80	14	107	60	45	•	•
13.89	14	107	60	45	•	•
13.90	14	107	60	45	•	•
14.00	14	107	60	45	•	•
14.10	16	115	65	48	•	•
14.20	16	115	65	48	•	•
14.29	16	115	65	48	•	•
14.30	16	115	65	48	•	•
14.40	16	115	65	48	•	•

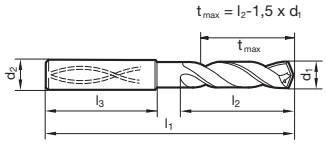
GÜHRING

Punte Ratio con canali di refrigerazione

SuperLine

N. art. 5510 (HA)

N. art. 6023 (HB)



P	M	K	N	S	H
●	○	●	○	○	○

VHM · FIRE · RT 100 U · 3xD · DIN 6537 K · 140° · m7 · R

Assott. del nocc. ≥ Ø 3,000 • affilatura a piani • taglienti principali diritti • geometria di taglio ottimizzata • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai (legati/non legati) fino a 1200 N/mm² • ghise • bronzo, ottone • leghe AlSi ad alto tenore di silicio

N. art.					5510	6023
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto	
14.50	16	115	65	48	•	•
14.60	16	115	65	48	•	•
14.68	16	115	65	48	•	•
14.70	16	115	65	48	•	•
14.80	16	115	65	48	•	•
14.90	16	115	65	48	•	•
15.00	16	115	65	48	•	•
15.08	16	115	65	48	•	•
15.10	16	115	65	48	•	•
15.20	16	115	65	48	•	•
15.30	16	115	65	48	•	•
15.40	16	115	65	48	•	•
15.48	16	115	65	48	•	•
15.50	16	115	65	48	•	•
15.60	16	115	65	48	•	•
15.70	16	115	65	48	•	•
15.80	16	115	65	48	•	•

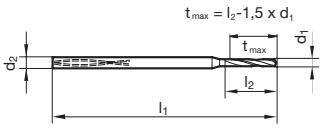
N. art.					5510	6023
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto	
15.87	16	115	65	48	•	•
15.90	16	115	65	48	•	•
16.00	16	115	65	48	•	•
16.10	18	123	73	48	•	•
16.20	18	123	73	48	•	•
16.27	18	123	73	48	•	•
16.50	18	123	73	48	•	•
16.67	18	123	73	48	•	•
16.90	18	123	73	48	•	•
17.00	18	123	73	48	•	•
17.07	18	123	73	48	•	•
17.20	18	123	73	48	•	•
17.30	18	123	73	48	•	•
17.40	18	123	73	48	•	•
17.46	18	123	73	48	•	•
17.50	18	123	73	48	•	•
17.60	18	123	73	48	•	•

N. art.					5510	6023
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto	
17.70	18	123	73	48	•	•
17.86	18	123	73	48	•	•
17.90	18	123	73	48	•	•
18.00	18	123	73	48	•	•
18.26	20	131	79	50	•	•
18.30	20	131	79	50	•	•
18.50	20	131	79	50	•	•
18.90	20	131	79	50	•	•
19.00	20	131	79	50	•	•
19.05	20	131	79	50	•	•
19.25	20	131	79	50	•	•
19.30	20	131	79	50	•	•
19.446	20	131	79	50	•	•
19.50	20	131	79	50	•	•
19.84	20	131	79	50	•	•
19.90	20	131	79	50	•	•
20.00	20	131	79	50	•	•

Micropunte con canali di refrigerazione

SuperLine

N. art. 6497 (HA)



P	M	K	N	S	H
●	○	●	○	○	

VHM · Ferrox · RT 100 U · 5xD · WN · 140° · h7 · R

Assott. del nocc. ≥ Ø 1,000 • affilatura a piani • taglienti principali diritti • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai legati fino a 1'200 N/mm² • acciai inossidabili • ghise

N. art.				6497
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
1.00	3.00	48.00	8.00	•
1.02	3.00	48.00	8.50	•
1.05	3.00	48.00	8.50	•
1.10	3.00	48.00	9.00	•
1.15	3.00	48.00	9.50	•
1.18	3.00	48.00	9.50	•
1.19	3.00	48.00	9.50	•
1.20	3.00	48.00	10.00	•
1.25	3.00	48.00	10.00	•
1.28	3.00	48.00	10.50	•
1.30	3.00	48.00	10.50	•
1.35	3.00	48.00	11.00	•
1.40	4.00	52.00	11.00	•
1.45	4.00	52.00	12.00	•
1.50	4.00	52.00	12.00	•
1.55	4.00	52.00	12.00	•
1.59	4.00	52.00	13.00	•
1.60	4.00	52.00	13.00	•
1.65	4.00	52.00	13.00	•
1.70	4.00	56.00	14.00	•
1.75	4.00	56.00	14.00	•
1.80	4.00	56.00	14.00	•

N. art.				6497
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
1.85	4.00	56.00	15.00	•
1.90	4.00	56.00	15.00	•
1.95	4.00	56.00	16.00	•
1.98	4.00	56.00	16.00	•
2.00	4.00	56.00	16.00	•
2.05	4.00	56.00	16.00	•
2.10	4.00	62.00	17.00	•
2.15	4.00	62.00	17.00	•
2.20	4.00	62.00	18.00	•
2.25	4.00	62.00	18.00	•
2.30	4.00	62.00	18.00	•
2.32	4.00	62.00	19.00	•
2.35	4.00	62.00	19.00	•
2.38	4.00	62.00	19.00	•
2.40	4.00	62.00	19.00	•
2.45	4.00	62.00	20.00	•
2.50	4.00	62.00	20.00	•
2.55	4.00	62.00	20.00	•
2.60	4.00	66.00	21.00	•
2.65	4.00	66.00	21.00	•
2.70	4.00	66.00	22.00	•
2.75	4.00	66.00	22.00	•

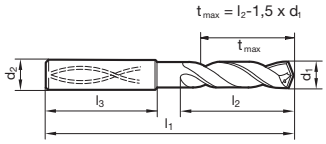
N. art.				6497
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
2.78	4.00	66.00	22.00	•
2.80	4.00	66.00	22.00	•
2.85	4.00	66.00	23.00	•
2.90	4.00	66.00	23.00	•
2.95	4.00	66.00	24.00	•
3.00	4.00	66.00	24.00	•

Punte Ratio con canali di refrigerazione

SuperLine

N. art. 5511 (HA)

N. art. 5650 (HB)



P	M	K	N	S	H
●	○	●	○	○	○

VHM | FIRE | RT 100 U | 5xD | DIN 6537 L | 140° | m7 | R

Assott. del nocc. ≥ Ø 3,000 • affilatura a piani • taglienti principali diritti • geometria di taglio ottimizzata • acciai da costruzione e da cementazione • acciai automatici e da bonifica • Acciai (legati/non legati) fino a 1200 N/mm² • ghise • bronzo, ottone • leghe AlSi ad alto tenore di silicio

N. art.					5511	5650
d1	d2 h6	l1	l2	l3	Prezzo netto	
mm	mm	mm	mm	mm		
2.50	4	57	20	31.7	•	
2.80	4	57	22	29.9	•	
2.90	4	57	23	29	•	
3.00	6	66	28	36	•	•
3.02	6	66	28	36	•	
3.05	6	66	28	36	•	
3.10	6	66	28	36	•	•
3.15	6	66	28	36	•	
3.17	6	66	28	36	•	•
3.20	6	66	28	36	•	•
3.25	6	66	28	36	•	•
3.30	6	66	28	36	•	•
3.35	6	66	28	36	•	
3.40	6	66	28	36	•	•
3.45	6	66	28	36	•	
3.50	6	66	28	36	•	•
3.55	6	66	28	36	•	
3.57	6	66	28	36	•	•
3.60	6	66	28	36	•	•
3.65	6	66	28	36	•	
3.70	6	66	28	36	•	•
3.75	6	66	28	36	•	
3.80	6	74	36	36	•	•
3.85	6	74	36	36	•	
3.90	6	74	36	36	•	•
3.95	6	74	36	36	•	
3.97	6	74	36	36	•	•
3.98	6	74	36	36	•	
4.00	6	74	36	36	•	•
4.02	6	74	36	36	•	
4.04	6	74	36	36	•	
4.05	6	74	36	36	•	
4.10	6	74	36	36	•	•
4.15	6	74	36	36	•	
4.20	6	74	36	36	•	•
4.25	6	74	36	36	•	
4.30	6	74	36	36	•	•
4.35	6	74	36	36	•	
4.37	6	74	36	36	•	•
4.40	6	74	36	36	•	•
4.45	6	74	36	36	•	
4.50	6	74	36	36	•	•
4.55	6	74	36	36	•	
4.60	6	74	36	36	•	•
4.65	6	74	36	36	•	•
4.70	6	74	36	36	•	•
4.75	6	74	36	36	•	
4.76	6	82	44	36	•	•
4.80	6	82	44	36	•	•
4.85	6	82	44	36	•	
4.90	6	82	44	36	•	•
4.95	6	82	44	36	•	

N. art.					5511	5650
d1	d2 h6	l1	l2	l3	Prezzo netto	
mm	mm	mm	mm	mm		
4.98	6	82	44	36	•	
5.00	6	82	44	36	•	•
5.02	6	82	44	36	•	
5.05	6	82	44	36	•	
5.10	6	82	44	36	•	•
5.11	6	82	44	36	•	
5.15	6	82	44	36	•	
5.16	6	82	44	36	•	•
5.20	6	82	44	36	•	•
5.25	6	82	44	36	•	
5.30	6	82	44	36	•	•
5.35	6	82	44	36	•	
5.40	6	82	44	36	•	•
5.41	6	82	44	36	•	
5.45	6	82	44	36	•	
5.50	6	82	44	36	•	•
5.55	6	82	44	36	•	•
5.56	6	82	44	36	•	•
5.60	6	82	44	36	•	•
5.65	6	82	44	36	•	
5.70	6	82	44	36	•	•
5.75	6	82	44	36	•	
5.80	6	82	44	36	•	•
5.85	6	82	44	36	•	
5.90	6	82	44	36	•	•
5.95	6	82	44	36	•	•
5.98	6	82	44	36	•	
6.00	6	82	44	36	•	•
6.02	8	91	53	36	•	
6.05	8	91	53	36	•	
6.10	8	91	53	36	•	•
6.15	8	91	53	36	•	
6.20	8	91	53	36	•	•
6.25	8	91	53	36	•	
6.30	8	91	53	36	•	•
6.35	8	91	53	36	•	•
6.40	8	91	53	36	•	•
6.45	8	91	53	36	•	
6.50	8	91	53	36	•	•
6.53	8	91	53	36	•	
6.55	8	91	53	36	•	
6.60	8	91	53	36	•	•
6.65	8	91	53	36	•	
6.70	8	91	53	36	•	•
6.75	8	91	53	36	•	•
6.80	8	91	53	36	•	•
6.85	8	91	53	36	•	
6.90	8	91	53	36	•	•
6.95	8	91	53	36	•	
6.98	8	91	53	36	•	
7.00	8	91	53	36	•	•
7.02	8	91	53	36	•	

N. art.					5511	5650
d1	d2 h6	l1	l2	l3	Prezzo netto	
mm	mm	mm	mm	mm		
7.05	8	91	53	36	•	
7.10	8	91	53	36	•	•
7.14	8	91	53	36	•	•
7.20	8	91	53	36	•	•
7.25	8	91	53	36	•	
7.30	8	91	53	36	•	•
7.35	8	91	53	36	•	
7.40	8	91	53	36	•	•
7.45	8	91	53	36	•	
7.50	8	91	53	36	•	•
7.54	8	91	53	36	•	•
7.55	8	91	53	36	•	
7.60	8	91	53	36	•	•
7.65	8	91	53	36	•	
7.70	8	91	53	36	•	•
7.75	8	91	53	36	•	
7.80	8	91	53	36	•	•
7.85	8	91	53	36	•	
7.90	8	91	53	36	•	•
7.94	8	91	53	36	•	•
7.98	8	91	53	36	•	
8.00	8	91	53	36	•	•
8.02	10	103	61	40	•	
8.05	10	103	61	40	•	
8.10	10	103	61	40	•	•
8.15	10	103	61	40	•	
8.20	10	103	61	40	•	•
8.25	10	103	61	40	•	
8.30	10	103	61	40	•	•
8.33	10	103	61	40	•	•
8.35	10	103	61	40	•	
8.40	10	103	61	40	•	•
8.45	10	103	61	40	•	
8.50	10	103	61	40	•	•
8.55	10	103	61	40	•	
8.60	10	103	61	40	•	•
8.65	10	103	61	40	•	
8.70	10	103	61	40	•	•
8.73	10	103	61	40	•	•
8.75	10	103	61	40	•	
8.80	10	103	61	40	•	•
8.85	10	103	61	40	•	
8.90	10	103	61	40	•	•
8.95	10	103	61	40	•	
8.98	10	103	61	40	•	
9.00	10	103	61	40	•	•
9.02	10	103	61	40	•	
9.05	10	103	61	40	•	
9.10	10	103	61	40	•	•
9.13	10	103	61	40	•	•
9.15	10	103	61	40	•	
9.20	10	103	61	40	•	•

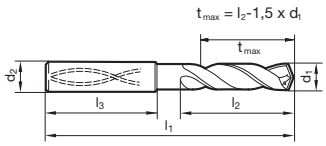
GÜHRING

Punte Ratio con canali di refrigerazione

SuperLine

N. art. 5511 (HA)

N. art. 5650 (HB)



P	M	K	N	S	H
●	○	●	○	○	○

VHM | FIRE | RT 100 U | 5xD | DIN 6537 L | 140° | m7 | R

Assott. del nocc. ≥ Ø 3,000 • affilatura a piani • taglienti principali diritti • geometria di taglio ottimizzata • acciai da costruzione e da cementazione • acciai automatici e da bonifica • Acciai (legati/non legati) fino a 1200 N/mm² • ghise • bronzo, ottone • leghe AlSi ad alto tenore di silicio

N. art.					5511	5650
d1	d2 h6	l1	l2	l3	Prezzo netto	
mm	mm	mm	mm	mm		
9.25	10	103	61	40	•	•
9.30	10	103	61	40	•	•
9.34	10	103	61	40	•	
9.35	10	103	61	40	•	
9.40	10	103	61	40	•	•
9.45	10	103	61	40	•	
9.50	10	103	61	40	•	•
9.52	10	103	61	40	•	•
9.55	10	103	61	40	•	
9.60	10	103	61	40	•	•
9.65	10	103	61	40	•	
9.70	10	103	61	40	•	•
9.75	10	103	61	40	•	
9.80	10	103	61	40	•	•
9.85	10	103	61	40	•	
9.90	10	103	61	40	•	•
9.92	10	103	61	40	•	•
9.95	10	103	61	40	•	
9.98	10	103	61	40	•	
10.00	10	103	61	40	•	•
10.02	12	118	71	45	•	
10.10	12	118	71	45	•	•
10.20	12	118	71	45	•	•
10.30	12	118	71	45	•	•
10.32	12	118	71	45	•	•
10.40	12	118	71	45	•	•
10.50	12	118	71	45	•	•
10.60	12	118	71	45	•	•
10.70	12	118	71	45	•	•
10.72	12	118	71	45	•	
10.80	12	118	71	45	•	•
10.90	12	118	71	45	•	•
11.00	12	118	71	45	•	•
11.02	12	118	71	45	•	
11.10	12	118	71	45	•	•
11.11	12	118	71	45	•	•
11.20	12	118	71	45	•	•
11.30	12	118	71	45	•	•
11.35	12	118	71	45	•	
11.40	12	118	71	45	•	•
11.45	12	118	71	45	•	
11.50	12	118	71	45	•	•
11.51	12	118	71	45	•	
11.55	12	118	71	45	•	
11.60	12	118	71	45	•	•
11.70	12	118	71	45	•	•
11.80	12	118	71	45	•	•
11.90	12	118	71	45	•	•
11.91	12	118	71	45	•	•
12.00	12	118	71	45	•	•
12.02	14	124	77	45	•	
12.10	14	124	77	45	•	

N. art.					5511	5650
d1	d2 h6	l1	l2	l3	Prezzo netto	
mm	mm	mm	mm	mm		
12.20	14	124	77	45	•	•
12.25	14	124	77	45	•	
12.30	14	124	77	45	•	
12.40	14	124	77	45	•	
12.50	14	124	77	45	•	•
12.55	14	124	77	45	•	
12.60	14	124	77	45	•	
12.70	14	124	77	45	•	•
12.80	14	124	77	45	•	
12.90	14	124	77	45	•	
13.00	14	124	77	45	•	•
13.10	14	124	77	45	•	
13.20	14	124	77	45	•	
13.30	14	124	77	45	•	
13.40	14	124	77	45	•	
13.49	14	124	77	45	•	
13.50	14	124	77	45	•	•
13.60	14	124	77	45	•	
13.70	14	124	77	45	•	•
13.80	14	124	77	45	•	
13.89	14	124	77	45	•	
13.90	14	124	77	45	•	
14.00	14	124	77	45	•	•
14.10	16	133	83	48	•	
14.20	16	133	83	48	•	•
14.29	16	133	83	48	•	•
14.30	16	133	83	48	•	
14.40	16	133	83	48	•	
14.50	16	133	83	48	•	•
14.60	16	133	83	48	•	
14.68	16	133	83	48	•	
14.70	16	133	83	48	•	•
14.80	16	133	83	48	•	
14.90	16	133	83	48	•	
15.00	16	133	83	48	•	•
15.08	16	133	83	48	•	
15.10	16	133	83	48	•	
15.20	16	133	83	48	•	•
15.25	16	133	83	48	•	
15.30	16	133	83	48	•	
15.35	16	133	83	48	•	
15.40	16	133	83	48	•	
15.48	16	133	83	48	•	
15.50	16	133	83	48	•	•
15.60	16	133	83	48	•	
15.70	16	133	83	48	•	•
15.80	16	133	83	48	•	
15.87	16	133	83	48	•	
15.90	16	133	83	48	•	
16.00	16	133	83	48	•	•
16.05	18	143	93	48	•	
16.08	18	143	93	48	•	

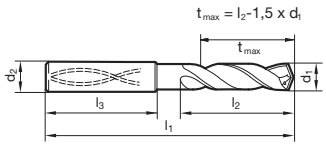
N. art.					5511	5650
d1	d2 h6	l1	l2	l3	Prezzo netto	
mm	mm	mm	mm	mm		
16.27	18	143	93	48	•	
16.50	18	143	93	48	•	•
16.67	18	143	93	48	•	
16.70	18	143	93	48	•	
16.90	18	143	93	48	•	
17.00	18	143	93	48	•	•
17.07	18	143	93	48	•	
17.46	18	143	93	48	•	
17.50	18	143	93	48	•	•
17.70	18	143	93	48	•	
17.86	18	143	93	48	•	
18.00	18	143	93	48	•	•
18.50	20	153	101	50	•	•
18.70	20	153	101	50	•	
18.90	20	153	101	50	•	
19.00	20	153	101	50	•	•
19.05	20	153	101	50	•	•
19.16	20	153	101	50	•	
19.25	20	153	101	50	•	
19.30	20	153	101	50	•	
19.35	20	153	101	50	•	
19.446	20	153	101	50	•	
19.50	20	153	101	50	•	•
19.70	20	153	101	50	•	
19.84	20	153	101	50	•	
20.00	20	153	101	50	•	•

Punte Ratio con canali di refrigerazione

SuperLine

N. art. 5512 (HA)

N. art. 5612 (HE)



P	M	K	N	S	H
●	○	●	○	○	○

VHM · FIRE · RT 100 U · 7xD · WN · 140° · m7 · R

Assott. del nocc. ≥ Ø 3,000 • affilatura a piani • taglienti principali diritti • geometria di taglio ottimizzata • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai legati e non legati fino a 1'200 N/mm² • ghise • bronzi e ottoni • leghe AlSi ad alto tenore di silicio

N. art.					5512	5612
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto	
3.00	6	70	30	36	•	•
3.10	6	70	30	36	•	•
3.17	6	70	30	36	•	•
3.20	6	70	30	36	•	•
3.25	6	70	30	36	•	•
3.30	6	70	30	36	•	•
3.40	6	75	35.5	36	•	•
3.50	6	75	35.5	36	•	•
3.57	6	75	35.5	36	•	•
3.60	6	75	35.5	36	•	•
3.70	6	75	35.5	36	•	•
3.80	6	75	37.5	36	•	•
3.90	6	75	37.5	36	•	•
3.97	6	75	37.5	36	•	•
4.00	6	75	37.5	36	•	•
4.04	6	75	37.5	36	•	
4.10	6	75	37.5	36	•	•
4.20	6	75	37.5	36	•	•
4.30	6	85	45	36	•	•
4.37	6	85	45	36	•	•
4.40	6	85	45	36	•	•
4.50	6	85	45	36	•	•
4.60	6	85	45	36	•	•
4.65	6	85	45	36	•	•
4.70	6	85	45	36	•	•
4.76	6	90	50	36	•	•
4.80	6	90	50	36	•	•
4.90	6	90	50	36	•	•
5.00	6	90	50	36	•	•
5.10	6	90	50	36	•	•
5.11	6	90	50	36	•	
5.16	6	90	50	36	•	•
5.20	6	90	50	36	•	•
5.25	6	90	50	36	•	
5.30	6	90	50	36	•	•
5.40	6	97	57	36	•	•
5.41	6	97	57	36	•	
5.50	6	97	57	36	•	•
5.56	6	97	57	36	•	
5.60	6	97	57	36	•	
5.70	6	97	57	36	•	•
5.80	6	97	57	36	•	•
5.90	6	97	57	36	•	•
5.95	6	97	57	36	•	
6.00	6	97	57	36	•	•
6.10	8	106	66	36	•	
6.20	8	106	66	36	•	•
6.30	8	106	66	36	•	•
6.35	8	106	66	36	•	•
6.40	8	106	66	36	•	
6.50	8	106	66	36	•	•
6.53	8	106	66	36	•	

N. art.					5512	5612
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto	
6.60	8	106	66	36	•	•
6.70	8	106	66	36	•	•
6.75	8	106	66	36	•	
6.80	8	106	66	36	•	•
6.90	8	116	76	36	•	•
7.00	8	116	76	36	•	•
7.10	8	116	76	36	•	•
7.14	8	116	76	36	•	
7.20	8	116	76	36	•	•
7.30	8	116	76	36	•	
7.40	8	116	76	36	•	•
7.50	8	116	76	36	•	•
7.54	8	116	76	36	•	
7.60	8	116	76	36	•	•
7.70	8	116	76	36	•	•
7.80	8	116	76	36	•	•
7.90	8	116	76	36	•	
7.94	8	116	76	36	•	
8.00	8	116	76	36	•	•
8.10	10	131	87	40	•	•
8.20	10	131	87	40	•	•
8.30	10	131	87	40	•	
8.33	10	131	87	40	•	
8.40	10	131	87	40	•	•
8.50	10	131	87	40	•	•
8.60	10	131	87	40	•	•
8.70	10	131	87	40	•	•
8.73	10	131	87	40	•	
8.80	10	131	87	40	•	•
8.90	10	131	87	40	•	
9.00	10	131	87	40	•	•
9.10	10	139	95	40	•	•
9.13	10	139	95	40	•	
9.20	10	139	95	40	•	•
9.25	10	139	95	40	•	
9.30	10	139	95	40	•	•
9.34	10	139	95	40	•	
9.40	10	139	95	40	•	•
9.50	10	139	95	40	•	•
9.52	10	139	95	40	•	•
9.60	10	139	95	40	•	
9.70	10	139	95	40	•	•
9.80	10	139	95	40	•	•
9.90	10	139	95	40	•	•
9.92	10	139	95	40	•	
10.00	10	139	95	40	•	•
10.10	12	155	106	45	•	
10.20	12	155	106	45	•	•
10.30	12	155	106	45	•	•
10.32	12	155	106	45	•	
10.40	12	155	106	45	•	
10.50	12	155	106	45	•	•

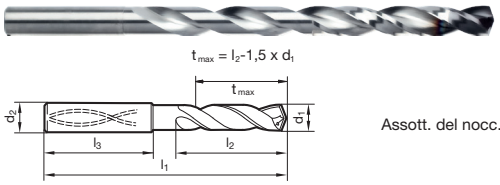
N. art.					5512	5612
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto	
10.60	12	155	106	45	•	
10.70	12	155	106	45	•	
10.72	12	155	106	45	•	
10.80	12	155	106	45	•	•
10.90	12	155	106	45	•	
11.00	12	155	106	45	•	•
11.10	12	163	114	45	•	
11.11	12	163	114	45	•	
11.20	12	163	114	45	•	•
11.30	12	163	114	45	•	
11.40	12	163	114	45	•	
11.50	12	163	114	45	•	•
11.51	12	163	114	45	•	
11.60	12	163	114	45	•	
11.70	12	163	114	45	•	
11.80	12	163	114	45	•	•
11.90	12	163	114	45	•	
11.91	12	163	114	45	•	
12.00	12	163	114	45	•	•
12.10	14	182	133	45	•	•
12.20	14	182	133	45	•	•
12.30	14	182	133	45	•	
12.50	14	182	133	45	•	•
12.70	14	182	133	45	•	•
13.00	14	182	133	45	•	•
13.10	14	182	133	45	•	
13.49	14	182	133	45	•	
13.50	14	182	133	45	•	•
13.89	14	182	133	45	•	
14.00	14	182	133	45	•	•
14.10	16	204	152	48	•	•
14.20	16	204	152	48	•	•
14.29	16	204	152	48	•	
14.50	16	204	152	48	•	•
15.00	16	204	152	48	•	•
15.10	16	204	152	48	•	
15.48	16	204	152	48	•	
15.50	16	204	152	48	•	•
15.87	16	204	152	48	•	
16.00	16	204	152	48	•	•
16.50	18	223	171	48	•	•
16.67	18	223	171	48	•	
16.90	18	223	171	48	•	
17.00	18	223	171	48	•	•
17.50	18	223	171	48	•	•
18.00	18	223	171	48	•	•
18.50	20	244	190	50	•	•
18.90	20	244	190	50	•	
19.00	20	244	190	50	•	•
19.05	20	244	190	50	•	•
19.50	20	244	190	50	•	•
20.00	20	244	190	50	•	•

GÜHRING

Punte Ratio con canali di refrigerazione

SuperLine

N. art. 5525 (HA)



P	M	K	N	S	H
●	○	●	○		

VHM · FIRE · RT 100 U · 12xD · WN · 135° · h7 · R

Assott. del nocc. ≥ Ø 3,000 • affilatura a piani • taglienti principali diritti • geometria di taglio ottimizzata • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai legati fino a 1'200 N/mm² • ghise • bronzi e ottoni • leghe AlSi ad alto tenore di silicio

N. art.					5525
d1	d2 h6	l1	l2	l3	Prezzo
mm	mm	mm	mm	mm	netto
3.00	6	90	50	36	•
3.10	6	90	50	36	•
3.17	6	90	50	36	•
3.20	6	90	50	36	•
3.25	6	90	50	36	•
3.30	6	90	50	36	•
3.40	6	90	50	36	•
3.50	6	90	50	36	•
3.57	6	90	50	36	•
3.60	6	90	50	36	•
3.70	6	90	50	36	•
3.80	6	102	64	36	•
3.90	6	102	64	36	•
3.97	6	102	64	36	•
4.00	6	102	64	36	•
4.10	6	102	64	36	•
4.20	6	102	64	36	•
4.30	6	102	64	36	•
4.37	6	102	64	36	•
4.40	6	102	64	36	•
4.50	6	102	64	36	•
4.60	6	102	64	36	•
4.65	6	102	64	36	•
4.70	6	102	64	36	•
4.76	6	116	78	36	•
4.80	6	116	78	36	•
4.90	6	116	78	36	•
5.00	6	116	78	36	•
5.10	6	116	78	36	•
5.16	6	116	78	36	•
5.20	6	116	78	36	•
5.30	6	116	78	36	•
5.40	6	116	78	36	•
5.50	6	116	78	36	•
5.56	6	116	78	36	•
5.60	6	116	78	36	•
5.70	6	116	78	36	•
5.80	6	116	78	36	•
5.90	6	116	78	36	•
5.95	6	116	78	36	•
6.00	6	116	78	36	•
6.10	8	146	108	36	•
6.20	8	146	108	36	•
6.30	8	146	108	36	•
6.35	8	146	108	36	•
6.40	8	146	108	36	•
6.50	8	146	108	36	•
6.60	8	146	108	36	•
6.70	8	146	108	36	•
6.75	8	146	108	36	•
6.80	8	146	108	36	•
6.90	8	146	108	36	•
7.00	8	146	108	36	•

N. art.					5525
d1	d2 h6	l1	l2	l3	Prezzo
mm	mm	mm	mm	mm	netto
7.10	8	146	108	36	•
7.14	8	146	108	36	•
7.20	8	146	108	36	•
7.30	8	146	108	36	•
7.40	8	146	108	36	•
7.50	8	146	108	36	•
7.54	8	146	108	36	•
7.60	8	146	108	36	•
7.70	8	146	108	36	•
7.80	8	146	108	36	•
7.90	8	146	108	36	•
7.94	8	146	108	36	•
8.00	8	146	108	36	•
8.10	10	162	120	40	•
8.20	10	162	120	40	•
8.30	10	162	120	40	•
8.33	10	162	120	40	•
8.40	10	162	120	40	•
8.50	10	162	120	40	•
8.60	10	162	120	40	•
8.70	10	162	120	40	•
8.73	10	162	120	40	•
8.80	10	162	120	40	•
8.90	10	162	120	40	•
9.00	10	162	120	40	•
9.10	10	162	120	40	•
9.13	10	162	120	40	•
9.20	10	162	120	40	•
9.25	10	162	120	40	•
9.30	10	162	120	40	•
9.40	10	162	120	40	•
9.50	10	162	120	40	•
9.52	10	162	120	40	•
9.60	10	162	120	40	•
9.70	10	162	120	40	•
9.80	10	162	120	40	•
9.90	10	162	120	40	•
9.92	10	162	120	40	•
10.00	10	162	120	40	•
10.10	12	204	156	45	•
10.20	12	204	156	45	•
10.30	12	204	156	45	•
10.32	12	204	156	45	•
10.50	12	204	156	45	•
10.60	12	204	156	45	•
10.70	12	204	156	45	•
10.72	12	204	156	45	•
10.80	12	204	156	45	•
10.90	12	204	156	45	•
11.00	12	204	156	45	•
11.11	12	204	156	45	•
11.50	12	204	156	45	•
11.51	12	204	156	45	•

N. art.					5525
d1	d2 h6	l1	l2	l3	Prezzo
mm	mm	mm	mm	mm	netto
11.91	12	204	156	45	•
12.00	12	204	156	45	•
12.30	14	230	182	45	•
12.50	14	230	182	45	•
12.70	14	230	182	45	•
13.00	14	230	182	45	•
13.49	14	230	182	45	•
13.50	14	230	182	45	•
13.89	14	230	182	45	•
14.00	14	230	182	45	•
14.50	16	260	208	48	•
15.00	16	260	208	48	•
15.48	16	260	208	48	•
15.50	16	260	208	48	•
16.00	16	260	208	48	•
16.50	18	285	234	48	•
17.00	18	285	234	48	•
17.50	18	285	234	48	•
18.00	18	285	234	48	•
18.50	20	310	258	50	•
19.00	20	310	258	50	•
19.05	20	310	258	50	•
19.50	20	310	258	50	•
20.00	20	310	258	50	•

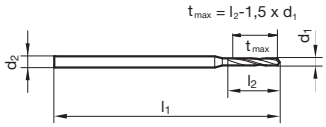
Micropunte ExclusiveLine senza canali di refrigerazione

N. art. 6400 (cil.)

4xD

N. art. 6401 (cil.)

7xD



P	M	K	N	S	H
●	●	●	○	○	

VHM | TiAlN Super A | N | WN | 140° | m7 | R

Assott. del nocc. ≥ Ø 0,500 • affilatura a piani • taglienti principali diritti • scarico rettificato dei taglienti • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai legati fino a 1'200 N/mm² • acciai inossidabili • ghise

N. art.		6400			6401		
d1 mm	d2 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
0.500	3.00	47.00	3.00	•	47.00	4.00	•
0.550	3.00	47.00	3.30	•	47.00	4.40	•
0.600	3.00	47.00	3.60	•	47.00	4.80	•
0.650	3.00	47.00	3.90	•	47.00	5.20	•
0.700	3.00	47.00	4.20	•	47.00	5.60	•
0.750	3.00	47.00	4.50	•	47.00	6.00	•
0.800	3.00	47.00	4.80	•	47.00	6.40	•
0.850	3.00	47.00	5.10	•	47.00	6.80	•
0.900	3.00	47.00	5.40	•	47.00	7.20	•
0.950	3.00	47.00	5.70	•	47.00	7.60	•
1.000	3.00	47.00	6.00	•	47.00	8.00	•
1.050	3.00	47.00	6.30	•	47.00	8.40	•
1.100	3.00	47.00	6.60	•	47.00	8.80	•
1.150	3.00	47.00	6.90	•	47.00	9.20	•
1.200	3.00	47.00	7.20	•	52.00	10.80	•
1.250	3.00	47.00	7.50	•	52.00	11.30	•
1.300	3.00	47.00	7.80	•	52.00	11.70	•
1.350	3.00	47.00	8.10	•	52.00	12.20	•
1.400	3.00	47.00	8.40	•	52.00	12.60	•
1.450	3.00	47.00	8.70	•	52.00	13.10	•
1.500	3.00	47.00	9.00	•	52.00	13.50	•
1.550	3.00	47.00	9.30	•	52.00	14.00	•
1.590	3.00	47.00	9.60	•	52.00	14.40	•
1.600	3.00	47.00	9.60	•	52.00	14.40	•
1.650	3.00	47.00	9.90	•	52.00	14.90	•
1.700	3.00	47.00	10.20	•	52.00	15.30	•
1.750	3.00	47.00	10.50	•	52.00	15.80	•
1.800	3.00	52.00	10.80	•	52.00	16.20	•

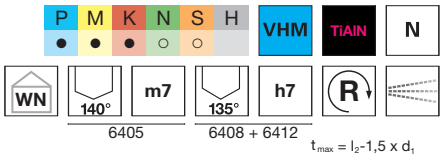
N. art.		6400			6401		
d1 mm	d2 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
1.850	3.00	52.00	11.10	•	52.00	16.70	•
1.900	3.00	52.00	11.40	•	52.00	17.10	•
1.950	3.00	52.00	11.70	•	52.00	17.60	•
1.980	4.00	59.00	12.00	•	63.00	18.00	•
2.000	4.00	59.00	12.00	•	63.00	18.00	•
2.050	4.00	59.00	12.30	•	63.00	18.50	•
2.100	4.00	59.00	12.60	•	63.00	18.90	•
2.150	4.00	59.00	12.90	•	63.00	19.40	•
2.200	4.00	59.00	13.20	•	63.00	19.80	•
2.250	4.00	59.00	13.50	•	63.00	20.30	•
2.300	4.00	59.00	13.80	•	63.00	20.70	•
2.350	4.00	59.00	14.10	•	63.00	21.20	•
2.380	4.00	59.00	14.40	•	63.00	21.60	•
2.400	4.00	59.00	14.40	•	63.00	21.60	•
2.450	4.00	59.00	14.70	•	63.00	22.10	•
2.500	4.00	59.00	15.00	•	63.00	22.50	•
2.550	4.00	59.00	15.30	•	63.00	23.00	•
2.600	4.00	59.00	15.60	•	67.00	23.40	•
2.650	4.00	59.00	15.90	•	67.00	23.90	•
2.700	4.00	59.00	16.20	•	67.00	24.30	•
2.750	4.00	59.00	16.50	•	67.00	24.80	•
2.780	4.00	59.00	16.80	•	67.00	25.20	•
2.800	4.00	59.00	16.80	•	67.00	25.20	•
2.850	4.00	59.00	17.10	•	67.00	25.70	•
2.900	4.00	59.00	17.40	•	67.00	26.10	•
2.950	4.00	59.00	17.70	•	67.00	26.60	•
3.000	4.00	59.00	18.00	•	67.00	27.00	•

ExclusiveLine Micropunte con canali di refrigerazione

N. art. 6405 (cil.)

N. art. 6408 (cil.)

N. art. 6412 (cil.)



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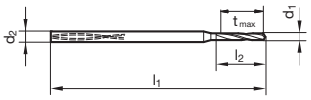


Assott. del nocc. ≥ Ø 1,000 • affilatura a piani • taglienti principali diritti • con scarico dei taglienti principali • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai legati fino a 1'200 N/mm² • acciai inossidabili • ghise

N. art.		6405			6408			6412		
d1 mm	d2 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
1.000	3.00	48.00	8.00	•	48.00	11.00	•	56.00	18.00	•
1.020	3.00	48.00	8.50	•	48.00	11.50	•	56.00	18.50	•
1.050	3.00	48.00	8.50	•	48.00	12.00	•	56.00	19.00	•
1.100	3.00	48.00	9.00	•	48.00	12.50	•	56.00	20.00	•
1.150	3.00	48.00	9.50	•	48.00	13.00	•	56.00	21.00	•
1.180	3.00	48.00	9.50	•	48.00	13.00	•	56.00	21.50	•
1.190	3.00	48.00	10.00	•	48.00	13.50	•	56.00	21.50	•
1.200	3.00	48.00	10.00	•	48.00	13.50	•	56.00	22.00	•
1.250	3.00	48.00	10.00	•	48.00	14.00	•	56.00	22.50	•
1.280	3.00	48.00	10.50	•	48.00	14.50	•	56.00	23.50	•
1.300	3.00	48.00	10.50	•	48.00	14.50	•	56.00	23.50	•
1.350	3.00	48.00	11.00	•	48.00	15.00	•	56.00	24.50	•
1.400	4.00	52.00	11.00	•	52.00	15.00	•	62.00	25.00	•
1.450	4.00	52.00	12.00	•	52.00	16.00	•	62.00	27.00	•
1.500	4.00	52.00	12.00	•	52.00	17.00	•	62.00	27.00	•
1.550	4.00	52.00	12.00	•	52.00	17.00	•	62.00	29.00	•
1.590	4.00	52.00	13.00	•	52.00	18.00	•	62.00	29.00	•
1.600	4.00	52.00	13.00	•	52.00	18.00	•	62.00	29.00	•
1.650	4.00	52.00	13.00	•	52.00	18.00	•	62.00	29.00	•
1.700	4.00	56.00	14.00	•	56.00	19.00	•	70.00	31.00	•
1.750	4.00	56.00	14.00	•	56.00	19.00	•	70.00	32.00	•
1.800	4.00	56.00	14.00	•	56.00	20.00	•	70.00	32.00	•
1.850	4.00	56.00	15.00	•	56.00	20.00	•	70.00	34.00	•
1.900	4.00	56.00	15.00	•	56.00	21.00	•	70.00	34.00	•
1.950	4.00	56.00	16.00	•	56.00	21.00	•	70.00	36.00	•
1.980	4.00	56.00	16.00	•	56.00	22.00	•	70.00	36.00	•
2.000	4.00	56.00	16.00	•	56.00	22.00	•	70.00	36.00	•
2.050	4.00	56.00	16.00	•	56.00	23.00	•	70.00	36.00	•
2.100	4.00	62.00	17.00	•	62.00	23.00	•	78.00	38.00	•
2.150	4.00	62.00	17.00	•	62.00	24.00	•	78.00	40.00	•
2.200	4.00	62.00	18.00	•	62.00	24.00	•	78.00	40.00	•
2.250	4.00	62.00	18.00	•	62.00	25.00	•	78.00	42.00	•
2.300	4.00	62.00	18.00	•	62.00	25.00	•	78.00	42.00	•
2.320	4.00	62.00	19.00	•	62.00	26.00	•	78.00	44.00	•
2.350	4.00	62.00	19.00	•	62.00	26.00	•	78.00	44.00	•
2.380	4.00	62.00	19.00	•	62.00	26.00	•	78.00	44.00	•
2.400	4.00	62.00	19.00	•	62.00	26.00	•	78.00	44.00	•
2.450	4.00	62.00	20.00	•	62.00	27.00	•	78.00	45.00	•
2.500	4.00	62.00	20.00	•	62.00	28.00	•	78.00	45.00	•
2.550	4.00	62.00	20.00	•	62.00	28.00	•	78.00	45.00	•
2.600	4.00	66.00	21.00	•	66.00	29.00	•	87.00	47.00	•
2.650	4.00	66.00	21.00	•	66.00	29.00	•	87.00	48.00	•
2.700	4.00	66.00	22.00	•	66.00	30.00	•	87.00	48.00	•
2.750	4.00	66.00	22.00	•	66.00	30.00	•	87.00	50.00	•
2.780	4.00	66.00	22.00	•	66.00	31.00	•	87.00	50.00	•
2.800	4.00	66.00	22.00	•	66.00	31.00	•	87.00	50.00	•
2.850	4.00	66.00	23.00	•	66.00	31.00	•	87.00	52.00	•
2.900	4.00	66.00	23.00	•	66.00	32.00	•	87.00	52.00	•
2.950	4.00	66.00	24.00	•	66.00	32.00	•	87.00	54.00	•
3.000	4.00	66.00	24.00	•	66.00	33.00	•	87.00	54.00	•

Micropunte ExclusiveLine XL con canali di refrigerazione

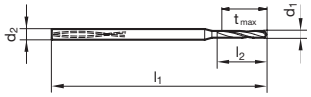
N. art. 6493 (cil.)

N. art. 6494 (~HA)

P	M	K	N	S	H
●	●	●	○	○	

VHM | Ferrox | N | WN | 135° | h7 | R

$t_{max} = l_2 - 1{,}5 \times d_1$



Affilatura a piani • taglienti principali diritti • con scarico dei taglienti principali • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai legati fino a 1'200 N/mm² • acciai inossidabili • ghise

N. art.		6493			6494		
d1 mm	d2 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
1.000	3.00	59.00	23.00	•	70.00	33.00	•
1.050	3.00	59.00	24.20	•	70.00	34.70	•
1.100	3.00	59.00	25.30	•	70.00	36.30	•
1.150	3.00	63.00	26.50	•	76.00	38.00	•
1.190	3.00	63.00	27.40	•	76.00	39.30	•
1.200	3.00	63.00	27.60	•	76.00	39.60	•
1.250	3.00	63.00	28.80	•	76.00	41.30	•
1.300	3.00	68.00	29.90	•	76.00	42.90	•
1.350	3.00	68.00	31.10	•	83.00	44.60	•
1.400	4.00	70.00	32.20	•	86.00	46.20	•
1.450	4.00	70.00	33.40	•	86.00	47.90	•
1.500	4.00	70.00	34.50	•	86.00	49.50	•
1.550	4.00	70.00	35.70	•	86.00	51.20	•
1.590	4.00	70.00	36.60	•	86.00	52.50	•
1.600	4.00	70.00	36.80	•	86.00	52.80	•
1.650	4.00	70.00	38.00	•	86.00	54.50	•
1.700	4.00	79.00	39.40	•	99.00	56.10	•
1.750	4.00	79.00	40.30	•	99.00	57.80	•
1.800	4.00	79.00	41.40	•	99.00	59.40	•
1.850	4.00	79.00	42.60	•	99.00	61.10	•
1.900	4.00	79.00	43.70	•	99.00	62.70	•
1.950	4.00	79.00	44.90	•	99.00	64.40	•
1.980	4.00	79.00	45.60	•	99.00	65.40	•
2.000	4.00	79.00	46.00	•	99.00	66.00	•

N. art.		6493			6494		
d1 mm	d2 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
2.050	4.00	79.00	47.20	•	99.00	67.70	•
2.100	4.00	91.00	48.30	•	116.00	69.30	•
2.150	4.00	91.00	49.50	•	116.00	71.00	•
2.200	4.00	91.00	50.60	•	116.00	72.60	•
2.250	4.00	91.00	51.80	•	116.00	74.30	•
2.300	4.00	91.00	52.90	•	116.00	75.90	•
2.320	4.00	91.00	54.10	•	116.00	76.60	•
2.350	4.00	91.00	54.10	•	116.00	77.60	•
2.380	4.00	91.00	54.80	•	116.00	78.60	•
2.400	4.00	91.00	55.20	•	116.00	79.20	•
2.450	4.00	91.00	56.40	•	116.00	80.90	•
2.500	4.00	91.00	57.50	•	116.00	82.50	•
2.550	4.00	91.00	58.70	•	116.00	84.20	•
2.600	4.00	102.00	59.80	•	132.00	85.80	•
2.650	4.00	102.00	61.00	•	132.00	87.50	•
2.700	4.00	102.00	62.10	•	132.00	89.10	•
2.750	4.00	102.00	63.30	•	132.00	90.80	•
2.780	4.00	102.00	64.00	•	132.00	91.80	•
2.800	4.00	102.00	64.40	•	132.00	92.40	•
2.850	4.00	102.00	65.60	•	132.00	94.10	•
2.900	4.00	102.00	66.70	•	132.00	95.70	•
2.950	4.00	102.00	67.90	•	132.00	97.40	•
3.000	4.00	102.00	69.00	•	132.00	99.00	•

ExclusiveLine Micropunte XL

Foratura profonda fino a 30xD ai massimi livelli

> Tempo di lavorazione **ridotto fino al 40 %**

> Durata utensile **aumentata di oltre 100 pezzi**

Esempio di applicazione

Componente:	Blocco distributore / industria alimentare, acciaio inossidabile 1.4301, profondità di foratura: 42.5 mm	
Utensile:	**#6494**, Ø 1,5 mm, 30xD	
Obiettivo cliente:	Sicurezza di processo e aumento della durata utensile	
Criticità:	Evacuazione insufficiente dei trucioli, durata utensile ridotta e rotture incontrollate	
Parametri di taglio:	**Gühring**	**Concorrente**
	vc 55 m/min	**vc** 45 m/min
	n 11.671 giri/min	**n** 9.549 giri/min
	vf 350 mm/min	**vf** 229 mm/min
Durata utensile:	2.800 fori, ca. 120 m	2.000 fori, ca. 85 m

GÜHRING

Punte Ratio con canali di refrigerazione

N. art. 6509 (HA)

N. art. 6512 (HA)

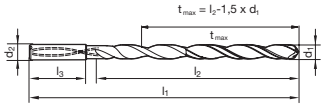
N. art. 6511 (HA)

N. art. 6513 (HA)

P	M	K	N	S	H
●	●	●	○	○	○

VHM | TiAlN

RT100 T AL | WN | 135° | h7



Assott. del nocc. ≥ Ø 3,000 • taglienti principali concavi • sezione della scanalatura ottimizzata • sezione massima dei canali di refrigerazione • rispettare la pressione del lubrorefrigerante • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai legati fino a 1'200 N/mm² • acciai inossidabili • ghise

N. art.			6509			6511			6512			6513		
d1	d2 h6	l3	l1	l2	Prezzo	l1	l2	Prezzo	l1	l2	Prezzo	l1	l2	Prezzo
mm	mm	mm	mm	mm	netto	mm	mm	netto	mm	mm	netto	mm	mm	netto
3.000	6.00	36.00	95.00	55.00	•	110.00	70.00	•	125.00	85.00	•	140.00	100.00	•
3.100	6.00	36.00	106.00	66.00	•	123.00	83.00	•	141.00	101.00	•	158.00	118.00	•
3.170	6.00	36.00	106.00	66.00	•	123.00	83.00	•	141.00	101.00	•	158.00	118.00	•
3.200	6.00	36.00	106.00	66.00	•	123.00	83.00	•	141.00	101.00	•	158.00	118.00	•
3.300	6.00	36.00	106.00	66.00	•	123.00	83.00	•	141.00	101.00	•	158.00	118.00	•
3.500	6.00	36.00	116.00	76.00	•	136.00	96.00	•	156.00	116.00	•	176.00	136.00	•
3.570	6.00	36.00	116.00	76.00	•	136.00	96.00	•	156.00	116.00	•	176.00	136.00	•
3.700	6.00	36.00	116.00	76.00	•	136.00	96.00	•	156.00	116.00	•	176.00	136.00	•
3.800	6.00	36.00	116.00	76.00	•	136.00	96.00	•	156.00	116.00	•	176.00	136.00	•
3.970	6.00	36.00	116.00	76.00	•	136.00	96.00	•	156.00	116.00	•	176.00	136.00	•
4.000	6.00	36.00	116.00	76.00	•	136.00	96.00	•	156.00	116.00	•	176.00	136.00	•
4.100	6.00	36.00	133.00	93.00	•	158.00	118.00	•	183.00	143.00	•	208.00	168.00	•
4.200	6.00	36.00	133.00	93.00	•	158.00	118.00	•	183.00	143.00	•	208.00	168.00	•
4.300	6.00	36.00	133.00	93.00	•	158.00	118.00	•	183.00	143.00	•			
4.370	6.00	36.00	133.00	93.00	•	158.00	118.00	•	183.00	143.00	•	208.00	168.00	•
4.500	6.00	36.00	133.00	93.00	•	158.00	118.00	•	183.00	143.00	•	208.00	168.00	•
4.600	6.00	36.00	133.00	93.00	•	158.00	118.00	•	183.00	143.00	•			
4.760	6.00	36.00	133.00	93.00	•	158.00	118.00	•	183.00	143.00	•	208.00	168.00	•
4.800	6.00	36.00	133.00	93.00	•	158.00	118.00	•	183.00	143.00	•			
5.000	6.00	36.00	133.00	93.00	•	158.00	118.00	•	183.00	143.00	•	208.00	168.00	•
5.100	6.00	36.00	150.00	110.00	•	180.00	140.00	•	210.00	170.00	•	240.00	200.00	•
5.160	6.00	36.00	150.00	110.00	•	180.00	140.00	•	210.00	170.00	•	240.00	200.00	•
5.410	6.00	36.00	150.00	110.00	•	180.00	140.00	•	210.00	170.00	•	240.00	200.00	•
5.500	6.00	36.00	150.00	110.00	•	180.00	140.00	•	210.00	170.00	•	240.00	200.00	•
5.560	6.00	36.00	150.00	110.00	•	180.00	140.00	•	210.00	170.00	•	240.00	200.00	•
5.600	6.00	36.00	150.00	110.00	•									
5.800	6.00	36.00	150.00	110.00	•	180.00	140.00	•	210.00	170.00	•			
5.950	6.00	36.00	150.00	110.00	•	180.00	140.00	•	210.00	170.00	•	240.00	200.00	•
6.000	6.00	36.00	150.00	110.00	•	180.00	140.00	•	210.00	170.00	•	240.00	200.00	•
6.300	8.00	36.00	167.00	127.00	•	202.00	162.00	•	237.00	197.00	•	272.00	232.00	•
6.350	8.00	36.00	167.00	127.00	•	202.00	162.00	•	237.00	197.00	•	272.00	232.00	•
6.500	8.00	36.00	167.00	127.00	•	202.00	162.00	•	237.00	197.00	•	272.00	232.00	•
6.750	8.00	36.00	167.00	127.00	•	202.00	162.00	•	237.00	197.00	•	272.00	232.00	•
6.800	8.00	36.00	167.00	127.00	•	202.00	162.00	•	237.00	197.00	•	272.00	232.00	•
7.000	8.00	36.00	167.00	127.00	•	202.00	162.00	•	237.00	197.00	•	272.00	232.00	•
7.140	8.00	36.00	183.00	143.00	•	223.00	183.00	•	263.00	223.00	•	303.00	263.00	•
7.500	8.00	36.00	183.00	143.00	•	223.00	183.00	•	263.00	223.00	•	303.00	263.00	•
7.540	8.00	36.00	183.00	143.00	•	223.00	183.00	•	263.00	223.00	•	303.00	263.00	•
7.800	8.00	36.00	183.00	143.00	•	223.00	183.00	•						
7.940	8.00	36.00	183.00	143.00	•	223.00	183.00	•	263.00	223.00	•	303.00	263.00	•
8.000	8.00	36.00	183.00	143.00	•	223.00	183.00	•	263.00	223.00	•	303.00	263.00	•
8.330	10.00	40.00	204.00	160.00	•	249.00	205.00	•	294.00	250.00	•	339.00	295.00	•
8.500	10.00	40.00	204.00	160.00	•	249.00	205.00	•	294.00	250.00	•	339.00	295.00	•
8.730	10.00	40.00	204.00	160.00	•	249.00	205.00	•	294.00	250.00	•	339.00	295.00	•
8.800	10.00	40.00	204.00	160.00	•	249.00	205.00	•	294.00	250.00	•	339.00	295.00	•
9.000	10.00	40.00	204.00	160.00	•	249.00	205.00	•	294.00	250.00	•	339.00	295.00	•
9.130	10.00	40.00	221.00	177.00	•	271.00	227.00	•	321.00	277.00	•	371.00	327.00	•
9.500	10.00	40.00	221.00	177.00	•									
9.520	10.00	40.00	221.00	177.00	•	271.00	227.00	•	321.00	277.00	•	371.00	327.00	•
9.800	10.00	40.00	221.00	177.00	•									
9.920	10.00	40.00	221.00	177.00	•	271.00	227.00	•	321.00	277.00	•	371.00	327.00	•
10.000	10.00	40.00	221.00	177.00	•	271.00	227.00	•	321.00	277.00	•	371.00	327.00	•

Punte Ratio con canali di refrigerazione

SuperLine

N. art. 6509 (HA)

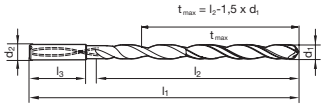
N. art. 6512 (HA)

N. art. 6511 (HA)

N. art. 6513 (HA)

P	M	K	N	S	H	VHM	TiAlN
●	●	●	○	○	○		

RT100 T AL | WN | 135° | h7



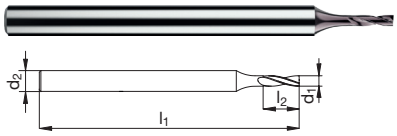
Assott. del nocc. ≥ Ø 3,000 • taglienti principali concavi • sezione della scanalatura ottimizzata • sezione massima dei canali di refrigerazione • rispettare la pressione del lubrorefrigerante • acciai da costruzione e da cementazione • acciai automatici e da bonifica • acciai legati fino a 1'200 N/mm² • acciai inossidabili • ghise

N. art.			6509			6511			6512			6513		
d1 mm	d2 h6 mm	l3 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
10.200	12.00	45.00	247.00	198.00	•	302.00	253.00	•						
10.320	12.00	45.00	247.00	198.00	•	302.00	253.00	•	359.00	310.00	•	412.00	363.00	•
10.500	12.00	45.00	247.00	198.00	•	302.00	253.00	•						
10.720	12.00	45.00	247.00	198.00	•	302.00	253.00	•	359.00	310.00	•	412.00	363.00	•
11.000	12.00	45.00	247.00	198.00	•	302.00	253.00	•	359.00	310.00	•	412.00	363.00	•
11.110	12.00	45.00	263.00	214.00	•	323.00	274.00	•	386.00	337.00	•	443.00	394.00	•
11.510	12.00	45.00	263.00	214.00	•	323.00	274.00	•	386.00	337.00	•	443.00	394.00	•
11.800	12.00	45.00	263.00	214.00	•	323.00	274.00	•						
11.910	12.00	45.00	263.00	214.00	•	323.00	274.00	•	386.00	337.00	•	443.00	394.00	•
12.000	12.00	45.00	263.00	214.00	•	323.00	274.00	•	386.00	337.00	•	443.00	394.00	•
12.300	14.00	45.00	297.00	248.00	•	367.00	318.00	•	437.00	388.00	•	507.00	458.00	•
12.500	14.00	45.00	297.00	248.00	•	367.00	318.00	•						
12.700	14.00	45.00	297.00	248.00	•	367.00	318.00	•	437.00	388.00	•	507.00	458.00	•
13.000	14.00	45.00	297.00	248.00	•	367.00	318.00	•	437.00	388.00	•	507.00	458.00	•
13.100	14.00	45.00	297.00	248.00	•	367.00	318.00	•	437.00	388.00	•	507.00	458.00	•
13.490	14.00	45.00	297.00	248.00	•	367.00	318.00	•	437.00	388.00	•	507.00	458.00	•
13.890	14.00	45.00	297.00	248.00	•	367.00	318.00	•	437.00	388.00	•	507.00	458.00	•
14.000	14.00	45.00	297.00	248.00	•	367.00	318.00	•	437.00	388.00	•	507.00	458.00	•
14.290	16.00	48.00	333.00	281.00	•	413.00	361.00	•	493.00	441.00	•			
15.000	16.00	48.00	333.00	281.00	•	413.00	361.00	•	493.00	441.00	•			
15.870	16.00	48.00	333.00	281.00	•	413.00	361.00	•	493.00	441.00	•			
16.000	16.00	48.00	333.00	281.00	•	413.00	361.00	•	493.00	441.00	•			

Punte pilota senza canali di refrigerazione

SuperLine

N. art. 6496 (~HA)



P	M	K	N	S	H
●	●	●	○	○	○

VHM | Ferrox | RT 100 FB | ~3xD | WN | 180° | n7 | R

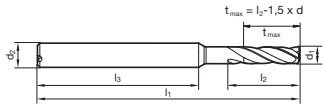
4 smussi di guida • codolo rinforzato • affilatura di punta a 180° per fondo foro piano • per pilotaggio, foratura e lamatura • pilotaggio in tutte le posizioni e su tutti i materiali • raccomandazione d'impiego: superfici piane = 100 % f/giro; superfici inclinate < 30° = f/giro -30 %; superfici inclinate > 30° = f/giro -50 %

N. art.				6496	N. art.				6496	N. art.				6496
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto	d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto	d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
1.000	3.00	47.00	4.00	•	1.700	3.00	47.00	6.80	•	2.380	4.00	50.00	9.60	•
1.050	3.00	47.00	4.20	•	1.750	3.00	47.00	7.00	•	2.400	4.00	50.00	9.60	•
1.100	3.00	47.00	4.40	•	1.800	3.00	47.00	7.20	•	2.450	4.00	50.00	9.80	•
1.150	3.00	47.00	4.60	•	1.850	3.00	47.00	7.40	•	2.500	4.00	50.00	10.00	•
1.190	3.00	47.00	4.80	•	1.900	3.00	47.00	7.60	•	2.550	4.00	50.00	10.20	•
1.200	3.00	47.00	4.80	•	1.950	3.00	47.00	7.80	•	2.600	4.00	50.00	10.40	•
1.250	3.00	47.00	5.00	•	1.980	3.00	47.00	8.00	•	2.650	4.00	50.00	10.60	•
1.300	3.00	47.00	5.20	•	2.000	4.00	50.00	8.00	•	2.700	4.00	50.00	10.80	•
1.350	3.00	47.00	5.40	•	2.050	4.00	50.00	8.20	•	2.750	4.00	50.00	11.00	•
1.400	3.00	47.00	5.60	•	2.100	4.00	50.00	8.40	•	2.780	4.00	50.00	11.20	•
1.450	3.00	47.00	5.80	•	2.150	4.00	50.00	8.60	•	2.800	4.00	50.00	11.20	•
1.500	3.00	47.00	6.00	•	2.200	4.00	50.00	8.80	•	2.850	4.00	50.00	11.40	•
1.550	3.00	47.00	6.20	•	2.250	4.00	50.00	9.00	•	2.900	4.00	50.00	11.60	•
1.590	3.00	47.00	6.40	•	2.300	4.00	50.00	9.20	•	2.950	4.00	50.00	11.80	•
1.600	3.00	47.00	6.40	•	2.320	4.00	50.00	9.40	•	3.000	6.00	50.00	12.00	•
1.650	3.00	47.00	6.60	•	2.350	4.00	50.00	9.40	•					

GÜHRING

Punta a fondo piano a 3 taglienti con canali di refrigerazione

N. art. 6065 (HA)



P	M	K	N	S	H
●	●	●	○	○	○

VHM | FIRE | FB 200 U | 3xD | WN | 180° | n7 | R

Affilatura di punta a 180° per fondo foro piano • per pilotaggio, foratura e lamatura • formazione minima di bave • pilotaggio in tutte le posizioni e su tutti i materiali

N. art.	6065				
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
4.00	6.00	65.00	18.00	40.00	•
4.10	6.00	65.00	18.00	40.00	•
4.20	6.00	65.00	18.00	40.00	•
4.30	6.00	65.00	21.00	40.00	•
4.37	6.00	65.00	21.00	40.00	•
4.40	6.00	65.00	21.00	40.00	•
4.50	6.00	65.00	21.00	40.00	•
4.60	6.00	65.00	21.00	40.00	•
4.70	6.00	65.00	21.00	40.00	•
4.76	6.00	65.00	26.00	36.00	•
4.80	6.00	65.00	26.00	36.00	•
4.90	6.00	65.00	26.00	36.00	•
5.00	6.00	65.00	26.00	36.00	•
5.10	6.00	65.00	26.00	36.00	•
5.16	6.00	65.00	26.00	36.00	•
5.20	6.00	65.00	26.00	36.00	•
5.30	6.00	65.00	26.00	36.00	•
5.40	6.00	65.00	26.00	36.00	•
5.50	6.00	65.00	26.00	36.00	•
5.56	6.00	65.00	26.00	36.00	•
5.60	6.00	65.00	26.00	36.00	•
5.70	6.00	65.00	26.00	36.00	•
5.80	6.00	65.00	26.00	36.00	•
5.90	6.00	65.00	26.00	36.00	•
5.95	6.00	65.00	26.00	36.00	•
6.00	6.00	65.00	26.00	36.00	•
6.10	8.00	78.00	31.00	36.00	•
6.20	8.00	78.00	31.00	36.00	•
6.30	8.00	78.00	31.00	36.00	•
6.35	8.00	78.00	31.00	36.00	•
6.40	8.00	78.00	31.00	36.00	•
6.50	8.00	78.00	31.00	36.00	•
6.60	8.00	78.00	31.00	36.00	•
6.70	8.00	78.00	31.00	36.00	•
6.75	8.00	78.00	31.00	36.00	•
6.80	8.00	78.00	31.00	36.00	•
6.90	8.00	78.00	31.00	36.00	•
7.00	8.00	78.00	31.00	36.00	•
7.10	8.00	78.00	35.00	36.00	•
7.14	8.00	78.00	35.00	36.00	•
7.20	8.00	78.00	35.00	36.00	•
7.30	8.00	78.00	35.00	36.00	•
7.40	8.00	78.00	35.00	36.00	•
7.50	8.00	78.00	35.00	36.00	•
7.54	8.00	78.00	35.00	36.00	•
7.60	8.00	78.00	35.00	36.00	•
7.70	8.00	78.00	35.00	36.00	•
7.80	8.00	78.00	35.00	36.00	•
7.90	8.00	78.00	35.00	36.00	•
7.94	8.00	78.00	35.00	36.00	•
8.00	8.00	78.00	35.00	36.00	•
8.10	10.00	87.00	43.00	40.00	•
8.20	10.00	87.00	43.00	40.00	•

N. art.	6065				
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
8.30	10.00	87.00	43.00	40.00	•
8.33	10.00	87.00	43.00	40.00	•
8.40	10.00	87.00	43.00	40.00	•
8.50	10.00	87.00	43.00	40.00	•
8.60	10.00	87.00	43.00	40.00	•
8.70	10.00	87.00	43.00	40.00	•
8.73	10.00	87.00	43.00	40.00	•
8.80	10.00	87.00	43.00	40.00	•
8.90	10.00	87.00	43.00	40.00	•
9.00	10.00	87.00	43.00	40.00	•
9.10	10.00	87.00	43.00	40.00	•
9.13	10.00	87.00	43.00	40.00	•
9.20	10.00	87.00	43.00	40.00	•
9.30	10.00	87.00	43.00	40.00	•
9.40	10.00	87.00	43.00	40.00	•
9.50	10.00	87.00	43.00	40.00	•
9.52	10.00	87.00	43.00	40.00	•
9.60	10.00	87.00	43.00	40.00	•
9.70	10.00	87.00	43.00	40.00	•
9.80	10.00	87.00	43.00	40.00	•
9.90	10.00	87.00	43.00	40.00	•
9.92	10.00	87.00	43.00	40.00	•
10.00	10.00	87.00	43.00	40.00	•
10.10	12.00	100.00	52.00	45.00	•
10.20	12.00	100.00	52.00	45.00	•
10.30	12.00	100.00	52.00	45.00	•
10.32	12.00	100.00	52.00	45.00	•
10.40	12.00	100.00	52.00	45.00	•
10.50	12.00	100.00	52.00	45.00	•
10.60	12.00	100.00	52.00	45.00	•
10.70	12.00	100.00	52.00	45.00	•
10.80	12.00	100.00	52.00	45.00	•
10.90	12.00	100.00	52.00	45.00	•
11.00	12.00	100.00	52.00	45.00	•
11.10	12.00	100.00	52.00	45.00	•
11.11	12.00	100.00	52.00	45.00	•
11.20	12.00	100.00	52.00	45.00	•
11.30	12.00	100.00	52.00	45.00	•
11.40	12.00	100.00	52.00	45.00	•
11.50	12.00	100.00	52.00	45.00	•
11.60	12.00	100.00	52.00	45.00	•
11.70	12.00	100.00	52.00	45.00	•
11.80	12.00	100.00	52.00	45.00	•
11.90	12.00	100.00	52.00	45.00	•
11.91	12.00	100.00	52.00	45.00	•
12.00	12.00	100.00	52.00	45.00	•
12.10	14.00	104.00	57.00	45.00	•
12.20	14.00	104.00	57.00	45.00	•
12.50	14.00	104.00	57.00	45.00	•
12.60	14.00	104.00	57.00	45.00	•
12.70	14.00	104.00	57.00	45.00	•
12.80	14.00	104.00	57.00	45.00	•
12.90	14.00	104.00	57.00	45.00	•

N. art.	6065				
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
13.00	14.00	104.00	57.00	45.00	•
13.49	14.00	104.00	57.00	45.00	•
13.50	14.00	104.00	57.00	45.00	•
13.80	14.00	104.00	57.00	45.00	•
14.00	14.00	104.00	57.00	45.00	•
14.50	16.00	112.00	62.00	48.00	•
14.80	16.00	112.00	62.00	48.00	•
15.00	16.00	112.00	62.00	48.00	•
15.50	16.00	112.00	62.00	48.00	•
15.80	16.00	112.00	62.00	48.00	•
16.00	16.00	112.00	62.00	48.00	•
16.50	18.00	120.00	70.00	48.00	•
17.00	18.00	120.00	70.00	48.00	•
17.50	18.00	120.00	70.00	48.00	•
18.00	18.00	120.00	70.00	48.00	•
18.50	20.00	128.00	76.00	50.00	•
19.00	20.00	128.00	76.00	50.00	•
19.50	20.00	128.00	76.00	50.00	•
20.00	20.00	128.00	76.00	50.00	•

FB 200 U

Esempio di applicazione

Componente:
Pignone in 42CrMo4, temprato superficialmente a 60 HRC

Utensile:
#6065, Ø 4,2 mm

Obiettivo cliente:
Foratura sicura con trucioli corti e riduzione del tempo di lavorazione

Criticità:
Formazione del truciolo; elevata durezza nella zona periferica del componente e durezza inferiore nel nucleo

Parametri di taglio:

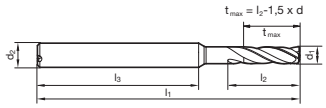
Gühring	Concorrente
vc 50 m/min	vc 39,6 m/min
f 0,06 mm/giro	f 0,04 mm/giro

> **Formazione del truciolo** migliorata

> **Tempo di lavorazione** ridotto del 47 %

Punta a fondo piano a 3 taglienti con canali di refrigerazione

N. art. 6066 (HA)



P	M	K	N	S	H
●	●	●	○	○	○

VHM | FIRE | FB 200 U | 5xD | WN | 180° | h7 | R

Affilatura di punta a 180° per fondo foro piano • per pilotaggio, foratura e lamatura • formazione minima di bave • pilotaggio in tutte le posizioni e su tutti i materiali

N. art.	6066				
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
4.00	6.00	73.00	30.00	40.00	•
4.10	6.00	73.00	30.00	40.00	•
4.20	6.00	73.00	30.00	40.00	•
4.30	6.00	73.00	33.00	38.00	•
4.37	6.00	73.00	33.00	38.00	•
4.40	6.00	73.00	33.00	38.00	•
4.50	6.00	73.00	33.00	38.00	•
4.60	6.00	73.00	33.00	38.00	•
4.70	6.00	73.00	33.00	38.00	•
4.76	6.00	81.00	36.00	38.00	•
4.80	6.00	81.00	36.00	38.00	•
4.90	6.00	81.00	36.00	38.00	•
5.00	6.00	81.00	36.00	38.00	•
5.10	6.00	81.00	39.00	36.00	•
5.16	6.00	81.00	39.00	36.00	•
5.20	6.00	81.00	39.00	36.00	•
5.30	6.00	81.00	39.00	36.00	•
5.40	6.00	81.00	39.00	36.00	•
5.50	6.00	81.00	39.00	36.00	•
5.56	6.00	81.00	42.00	36.00	•
5.60	6.00	81.00	42.00	36.00	•
5.70	6.00	81.00	42.00	36.00	•
5.80	6.00	81.00	42.00	36.00	•
5.90	6.00	81.00	42.00	36.00	•
5.95	6.00	81.00	42.00	36.00	•
6.00	6.00	81.00	42.00	36.00	•
6.10	8.00	90.00	50.00	36.00	•
6.20	8.00	90.00	50.00	36.00	•
6.30	8.00	90.00	50.00	36.00	•
6.35	8.00	90.00	50.00	36.00	•
6.40	8.00	90.00	50.00	36.00	•
6.50	8.00	90.00	50.00	36.00	•
6.60	8.00	90.00	50.00	36.00	•
6.70	8.00	90.00	50.00	36.00	•
6.75	8.00	90.00	50.00	36.00	•
6.80	8.00	90.00	50.00	36.00	•
6.90	8.00	90.00	50.00	36.00	•
7.00	8.00	90.00	50.00	36.00	•
7.10	8.00	90.00	50.00	36.00	•
7.14	8.00	90.00	50.00	36.00	•
7.20	8.00	90.00	50.00	36.00	•
7.30	8.00	90.00	50.00	36.00	•
7.40	8.00	90.00	50.00	36.00	•
7.50	8.00	90.00	50.00	36.00	•
7.54	8.00	90.00	50.00	36.00	•
7.60	8.00	90.00	50.00	36.00	•
7.70	8.00	90.00	50.00	36.00	•
7.80	8.00	90.00	50.00	36.00	•
7.90	8.00	90.00	50.00	36.00	•
7.94	8.00	90.00	50.00	36.00	•
8.00	8.00	90.00	50.00	36.00	•
8.10	10.00	101.00	57.00	40.00	•
8.20	10.00	101.00	57.00	40.00	•

N. art.	6066				
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
8.30	10.00	101.00	57.00	40.00	•
8.33	10.00	101.00	57.00	40.00	•
8.40	10.00	101.00	57.00	40.00	•
8.50	10.00	101.00	57.00	40.00	•
8.60	10.00	101.00	57.00	40.00	•
8.70	10.00	101.00	57.00	40.00	•
8.73	10.00	101.00	57.00	40.00	•
8.80	10.00	101.00	57.00	40.00	•
8.90	10.00	101.00	57.00	40.00	•
9.00	10.00	101.00	57.00	40.00	•
9.10	10.00	101.00	57.00	40.00	•
9.13	10.00	101.00	57.00	40.00	•
9.20	10.00	101.00	57.00	40.00	•
9.30	10.00	101.00	57.00	40.00	•
9.40	10.00	101.00	57.00	40.00	•
9.50	10.00	101.00	57.00	40.00	•
9.52	10.00	101.00	57.00	40.00	•
9.60	10.00	101.00	57.00	40.00	•
9.70	10.00	101.00	57.00	40.00	•
9.80	10.00	101.00	57.00	40.00	•
9.90	10.00	101.00	57.00	40.00	•
9.92	10.00	101.00	57.00	40.00	•
10.00	10.00	101.00	57.00	40.00	•
10.10	12.00	116.00	68.00	45.00	•
10.20	12.00	116.00	68.00	45.00	•
10.30	12.00	116.00	68.00	45.00	•
10.32	12.00	116.00	68.00	45.00	•
10.40	12.00	116.00	68.00	45.00	•
10.50	12.00	116.00	68.00	45.00	•
10.60	12.00	116.00	68.00	45.00	•
10.70	12.00	116.00	68.00	45.00	•
10.80	12.00	116.00	68.00	45.00	•
10.90	12.00	116.00	68.00	45.00	•
11.00	12.00	116.00	68.00	45.00	•
11.10	12.00	116.00	68.00	45.00	•
11.11	12.00	116.00	68.00	45.00	•
11.20	12.00	116.00	68.00	45.00	•
11.30	12.00	116.00	68.00	45.00	•
11.40	12.00	116.00	68.00	45.00	•
11.50	12.00	116.00	68.00	45.00	•
11.60	12.00	116.00	68.00	45.00	•
11.70	12.00	116.00	68.00	45.00	•
11.80	12.00	116.00	68.00	45.00	•
11.90	12.00	116.00	68.00	45.00	•
11.91	12.00	116.00	68.00	45.00	•
12.00	12.00	116.00	68.00	45.00	•
12.10	14.00	121.00	74.00	45.00	•
12.20	14.00	121.00	74.00	45.00	•
12.50	14.00	121.00	74.00	45.00	•
12.60	14.00	121.00	74.00	45.00	•
12.70	14.00	121.00	74.00	45.00	•
12.80	14.00	121.00	74.00	45.00	•
12.90	14.00	121.00	74.00	45.00	•

N. art.	6066				
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
13.00	14.00	121.00	74.00	45.00	•
13.49	14.00	121.00	74.00	45.00	•
13.50	14.00	121.00	74.00	45.00	•
13.80	14.00	121.00	74.00	45.00	•
14.00	14.00	121.00	74.00	45.00	•
14.50	16.00	130.00	80.00	48.00	•
14.80	16.00	130.00	80.00	48.00	•
15.00	16.00	130.00	80.00	48.00	•
15.50	16.00	130.00	80.00	48.00	•
15.80	16.00	130.00	80.00	48.00	•
16.00	16.00	130.00	80.00	48.00	•
16.50	18.00	140.00	90.00	48.00	•
17.00	18.00	140.00	90.00	48.00	•
17.50	18.00	140.00	90.00	48.00	•
18.00	18.00	140.00	90.00	48.00	•
18.50	20.00	150.00	98.00	50.00	•
19.00	20.00	150.00	98.00	50.00	•
19.50	20.00	150.00	98.00	50.00	•
20.00	20.00	150.00	98.00	50.00	•

FB 200 U

Fondo foro a 180° in meno tempo

3 taglienti con angolo di punta di 180° per fori dimensionalmente precisi e perfettamente circolari

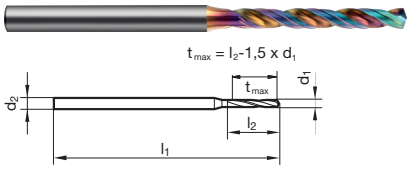
Disponibile nella gamma **3xD | 5xD, Ø 4-20 mm**

Raccordo del codolo rinforzato per una maggiore stabilità

GÜHRING

Micropunte senza canali di refrigerazione

N. art. 8525 (HA)



P M K N S H

VHM | Carbo+ | RT 100 AL | 6xD | WN | 140° | m7 | R

Assott. del nocc. ≥ Ø 0,500 • affilatura a piani • taglienti principali concavi • geometria di taglio ottimizzata • raccomandazione: per materiali ISO N molto teneri, foratura a step con incrementi di 0.50xD-1.00xD

N. art.				8525
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
0.50	3.00	38.00	4.50	•
0.55	3.00	38.00	5.00	•
0.60	3.00	38.00	5.40	•
0.65	3.00	38.00	5.90	•
0.66	3.00	38.00	6.00	•
0.70	3.00	38.00	6.30	•
0.74	3.00	38.00	6.70	•
0.75	3.00	38.00	6.80	•
0.79	3.00	38.00	7.20	•
0.80	3.00	38.00	7.20	•
0.82	3.00	38.00	7.40	•
0.85	3.00	38.00	7.70	•
0.90	3.00	38.00	8.10	•
0.95	3.00	38.00	8.60	•
1.00	3.00	48.00	9.00	•
1.05	3.00	48.00	9.50	•
1.10	3.00	48.00	9.90	•
1.15	3.00	48.00	10.40	•
1.19	3.00	48.00	10.80	•
1.20	3.00	51.00	10.80	•
1.25	3.00	51.00	11.30	•

N. art.				8525
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
1.30	3.00	51.00	11.70	•
1.35	3.00	51.00	12.20	•
1.40	4.00	56.00	12.60	•
1.45	4.00	56.00	13.10	•
1.50	4.00	56.00	13.50	•
1.55	4.00	56.00	14.00	•
1.59	4.00	56.00	14.40	•
1.60	4.00	56.00	14.40	•
1.65	4.00	56.00	14.90	•
1.70	4.00	61.00	15.30	•
1.75	4.00	61.00	15.80	•
1.80	4.00	61.00	16.20	•
1.85	4.00	61.00	16.70	•
1.90	4.00	61.00	17.10	•
1.95	4.00	61.00	17.60	•
1.98	4.00	61.00	17.90	•
2.00	4.00	61.00	18.00	•
2.05	4.00	61.00	18.50	•
2.10	4.00	66.00	18.90	•
2.15	4.00	66.00	19.40	•
2.20	4.00	66.00	19.80	•

N. art.				8525
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
2.25	4.00	66.00	20.30	•
2.30	4.00	66.00	20.70	•
2.32	4.00	66.00	20.90	•
2.35	4.00	66.00	21.20	•
2.38	4.00	66.00	21.50	•
2.40	4.00	66.00	21.60	•
2.45	4.00	66.00	22.10	•
2.50	4.00	66.00	22.50	•
2.55	4.00	66.00	23.00	•
2.60	4.00	67.00	23.40	•
2.65	4.00	67.00	23.90	•
2.70	4.00	67.00	24.30	•
2.75	4.00	67.00	24.80	•
2.78	4.00	67.00	25.10	•
2.80	4.00	67.00	25.20	•
2.85	4.00	67.00	25.70	•
2.90	4.00	67.00	26.10	•
2.95	4.00	67.00	26.60	•
3.00	4.00	67.00	27.00	•

RT 100 AL Micro

Specialista nei materiali: alluminio e metalli non ferrosi

Sicuro ed efficiente, dalle leghe senza piombo a quelle ad alta resistenza

> Durata utensile triplicata
> 2.5 volte più rapido per foro

Assottigliamento del nocciolo e profilo della scanalatura ottimizzati per trucioli corti

Nuovo rivestimento Carbo+
per ridurre le aderenze di materiale

4 smussi di guida
per la massima stabilità

Disponibile nella gamma diametri:
Ø 0.5-3.0 mm (6xD), con e senza refrigerazione interna | N. art. **8525** / **8526**
Ø 1.0-3.0 mm (10xD e 15xD), con refrigerazione interna | N. art. **8527** / **8528**

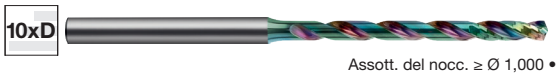
Esempio di applicazione

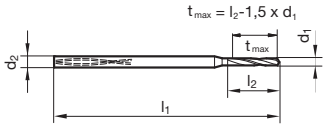
Componente:	Blocco distributore pneumatico, AlMgSi1	
Utensile:	**#8528**, Ø 1,8 mm, 10xD	
Obiettivo cliente:	Riduzione delle bave, lavorazione più rapida e maggiore durata utensile	
Criticità:	Trucioli troppo lunghi e intasamento con gli utensili concorrenti	
Parametri di taglio:	**Gühring**	**Concorrente**
	vc 68 m/min	**vc** 68 m/min
	n 12.000 giri/min	**n** 12.000 giri/min
	f 0,03 – 0,08 mm/giro	**f** 0,03 – 0,08 mm/giro
Durata utensile:	3.000 min	800 min

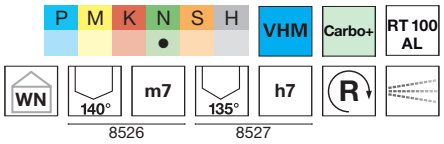
Micropunte con canali di refrigerazione

N. art. 8526 (HA)

N. art. 8527 (HA)







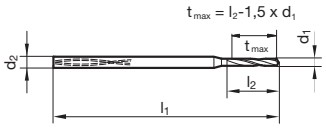
Assott. del nocc. ≥ Ø 1,000 • affilatura a piani • taglienti principali concavi • geometria di taglio ottimizzata • raccomandazione: per materiali ISO N molto teneri, foratura a step con incrementi di 0.50xD-1.00xD

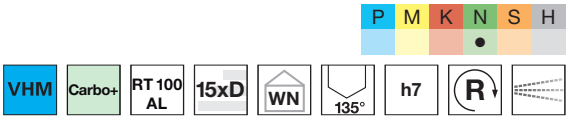
		N. art.	8526		8527	
d1	d2 h6	l1	l2	Prezzo	l2	Prezzo
mm	mm	mm	mm	netto	mm	netto
1.00	3.00	48.00	9.00	•	13.00	•
1.05	3.00	48.00	9.50	•	13.70	•
1.10	3.00	48.00	9.90	•	14.30	•
1.15	3.00	48.00	10.40	•	15.00	•
1.19	3.00	48.00	10.80	•	15.50	•
1.20	3.00	51.00	10.80	•	15.60	•
1.25	3.00	51.00	11.30	•	16.30	•
1.30	3.00	51.00	11.70	•	16.90	•
1.35	3.00	51.00	12.20	•	17.60	•
1.40	4.00	56.00	12.60	•	18.20	•
1.45	4.00	56.00	13.10	•	18.90	•
1.50	4.00	56.00	13.50	•	19.50	•
1.55	4.00	56.00	14.00	•	20.20	•
1.59	4.00	56.00	14.40	•	20.70	•
1.60	4.00	56.00	14.40	•	20.80	•
1.65	4.00	56.00	14.90	•	21.50	•
1.70	4.00	61.00	15.30	•	22.10	•
1.75	4.00	61.00	15.80	•	22.80	•
1.80	4.00	61.00	16.20	•	23.40	•
1.85	4.00	61.00	16.70	•	24.10	•
1.90	4.00	61.00	17.10	•	24.70	•
1.95	4.00	61.00	17.60	•	25.40	•
1.98	4.00	61.00	17.90	•	25.80	•
2.00	4.00	61.00	18.00	•	26.00	•

		N. art.	8526		8527	
d1	d2 h6	l1	l2	Prezzo	l2	Prezzo
mm	mm	mm	mm	netto	mm	netto
2.05	4.00	61.00	18.50	•	26.70	•
2.10	4.00	66.00	18.90	•	27.30	•
2.15	4.00	66.00	19.40	•	28.00	•
2.20	4.00	66.00	19.80	•	28.60	•
2.25	4.00	66.00	20.30	•	29.30	•
2.30	4.00	66.00	20.70	•	29.90	•
2.32	4.00	66.00	20.90	•	30.20	•
2.35	4.00	66.00	21.20	•	30.60	•
2.38	4.00	66.00	21.50	•	31.00	•
2.40	4.00	66.00	21.60	•	31.20	•
2.45	4.00	66.00	22.10	•	31.90	•
2.50	4.00	66.00	22.50	•	32.50	•
2.55	4.00	66.00	23.00	•	33.20	•
2.60	4.00	71.00	23.40	•	33.80	•
2.65	4.00	71.00	23.90	•	34.50	•
2.70	4.00	71.00	24.30	•	35.10	•
2.75	4.00	71.00	24.80	•	35.80	•
2.78	4.00	71.00	25.10	•	36.20	•
2.80	4.00	71.00	25.20	•	36.40	•
2.85	4.00	71.00	25.70	•	37.10	•
2.90	4.00	71.00	26.10	•	37.70	•
2.95	4.00	71.00	26.60	•	38.40	•
3.00	4.00	71.00	27.00	•	39.00	•

Micropunte con canali di refrigerazione

N. art. 8528 (HA)





Assott. del nocc. ≥ Ø 1,000 • affilatura a piani • taglienti principali concavi • geometria di taglio ottimizzata • raccomandazione: per materiali ISO N molto teneri, foratura a step con incrementi di 0.50xD-1.00xD

		N. art.	8528	
d1	d2 h6	l1	l2	Prezzo
mm	mm	mm	mm	netto
1.00	3.00	54.00	18.00	•
1.05	3.00	54.00	18.90	•
1.10	3.00	54.00	19.80	•
1.15	3.00	54.00	20.70	•
1.19	3.00	54.00	21.50	•
1.20	3.00	58.00	21.60	•
1.25	3.00	58.00	22.50	•
1.30	3.00	58.00	23.40	•
1.35	3.00	58.00	24.30	•
1.40	4.00	64.00	25.20	•
1.45	4.00	64.00	26.10	•
1.50	4.00	64.00	27.00	•
1.55	4.00	64.00	27.90	•
1.59	4.00	64.00	28.70	•
1.60	4.00	64.00	28.80	•
1.65	4.00	64.00	29.70	•

		N. art.	8528	
d1	d2 h6	l1	l2	Prezzo
mm	mm	mm	mm	netto
1.70	4.00	71.00	30.60	•
1.75	4.00	71.00	31.50	•
1.80	4.00	71.00	32.40	•
1.85	4.00	71.00	33.30	•
1.90	4.00	71.00	34.20	•
1.95	4.00	71.00	35.10	•
1.98	4.00	71.00	35.70	•
2.00	4.00	71.00	36.00	•
2.05	4.00	71.00	36.90	•
2.10	4.00	79.00	37.80	•
2.15	4.00	79.00	38.70	•
2.20	4.00	79.00	39.60	•
2.25	4.00	79.00	40.50	•
2.30	4.00	79.00	41.40	•
2.32	4.00	79.00	41.80	•
2.35	4.00	79.00	42.30	•

		N. art.	8528	
d1	d2 h6	l1	l2	Prezzo
mm	mm	mm	mm	netto
2.38	4.00	79.00	42.90	•
2.40	4.00	79.00	43.20	•
2.45	4.00	79.00	44.10	•
2.50	4.00	79.00	45.00	•
2.55	4.00	79.00	45.90	•
2.60	4.00	87.00	46.80	•
2.65	4.00	87.00	47.70	•
2.70	4.00	87.00	48.60	•
2.75	4.00	87.00	49.50	•
2.78	4.00	87.00	50.10	•
2.80	4.00	87.00	50.40	•
2.85	4.00	87.00	51.30	•
2.90	4.00	87.00	52.20	•
2.95	4.00	87.00	53.10	•
3.00	4.00	87.00	54.00	•

Punte Ratio con canali di refrigerazione

N. art. 6062 (HA | DIN 6537 K)

N. art. 6063 (HA | Norma interna)

N. art. 5768 (HA | DIN 6537 L)

N. art. 6064 (HA | Norma interna)

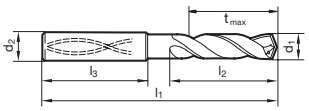
P	M	K	N	S	H
			•		

VHM | LUC IDO | RT 100 AL

140° | m7 | 135° | h7 | R

6062|6063|5768 | 6064

$t_{max} = l_2\text{-}1{,}5 \times d_1$



Assott. del nocc. ≥ Ø 3,000 • affilatura conica • taglienti principali leggermente concavi • geometria di taglio ottimizzata • taglio netto • superfici funzionali lucidate per evitare il tagliente di riporto

		N. art.	6062			5768			6063			6064		
d1	d2 h6	l3	l1	l2	Prezzo	l1	l2	Prezzo	l1	l2	Prezzo	l1	l2	Prezzo
mm	mm	mm	mm	mm	netto	mm	mm	netto	mm	mm	netto	mm	mm	netto
3.00	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•	95.00	55.00	•
3.10	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•	95.00	55.00	•
3.17	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•	95.00	55.00	•
3.20	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•	95.00	55.00	•
3.25	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•	95.00	55.00	•
3.30	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•	95.00	55.00	•
3.40	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•	95.00	55.00	•
3.50	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•	102.00	62.00	•
3.57	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•	102.00	62.00	•
3.60	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•	102.00	62.00	•
3.70	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•	102.00	62.00	•
3.80	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•	102.00	62.00	•
3.90	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•	102.00	62.00	•
3.97	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•	102.00	62.00	•
4.00	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•	102.00	62.00	•
4.10	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•	109.00	69.00	•
4.20	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•	109.00	69.00	•
4.30	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•	109.00	69.00	•
4.37	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•	109.00	69.00	•
4.40	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•	109.00	69.00	•
4.50	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•	116.00	76.00	•
4.60	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•	116.00	76.00	•
4.65	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•	116.00	76.00	•
4.70	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•	116.00	76.00	•
4.76	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•	116.00	76.00	•
4.80	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•	116.00	76.00	•
4.90	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•	116.00	76.00	•
5.00	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•	116.00	76.00	•
5.10	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•	123.00	83.00	•
5.16	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•	123.00	83.00	•
5.20	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•	123.00	83.00	•
5.30	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•	123.00	83.00	•
5.40	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	123.00	83.00	•
5.50	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	130.00	90.00	•
5.55	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	130.00	90.00	•
5.56	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	130.00	90.00	•
5.60	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	130.00	90.00	•
5.70	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	130.00	90.00	•
5.80	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	130.00	90.00	•
5.90	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	130.00	90.00	•
5.95	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	130.00	90.00	•
6.00	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•	130.00	90.00	•
6.10	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•
6.20	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•
6.30	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•
6.35	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•
6.40	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•
6.50	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•
6.60	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•
6.70	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•
6.75	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•
6.80	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•	158.00	118.00	•

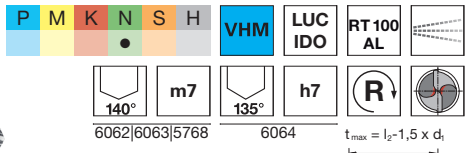
Punte Ratio con canali di refrigerazione

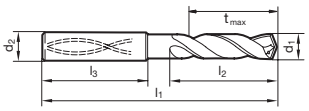
N. art. 6062 (HA | DIN 6537 K)

N. art. 6063 (HA | Norma interna)

N. art. 5768 (HA | DIN 6537 L)

N. art. 6064 (HA | Norma interna)





Assott. del nocc. ≥ Ø 3,000 • affilatura conica • taglienti principali leggermente concavi • geometria di taglio ottimizzata • taglio netto • superfici funzionali lucidate per evitare il tagliente di riporto

		N. art.	6062			5768			6063			6064		
d1	d2 h6	l3	l1	l2	Prezzo	l1	l2	Prezzo	l1	l2	Prezzo	l1	l2	Prezzo
mm	mm	mm	mm	mm	netto	mm	mm	netto	mm	mm	netto	mm	mm	netto
6.90	8.00	36.00	79.00	34.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.00	8.00	36.00	79.00	34.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.10	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.14	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.20	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.30	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.40	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.50	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.54	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.60	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.70	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.80	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.90	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
7.94	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
8.00	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•	158.00	118.00	•
8.10	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.20	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.30	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.33	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.40	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.50	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.60	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.70	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.73	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.80	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
8.90	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
9.00	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•	190.00	146.00	•
9.10	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.13	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.20	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.25	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.30	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.34	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.40	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.50	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.52	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.55	10.00	40.00				103.00	61.00	•						
9.60	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.70	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.80	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.90	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
9.92	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
10.00	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•	190.00	146.00	•
10.10	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
10.20	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
10.30	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
10.32	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
10.40	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
10.50	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
10.60	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
10.70	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
10.80	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•

GÜHRING

Punte Ratio con canali di refrigerazione

N. art. 6062 (HA | DIN 6537 K)

N. art. 6063 (HA | Norma interna)

N. art. 5768 (HA | DIN 6537 L)

N. art. 6064 (HA | Norma interna)

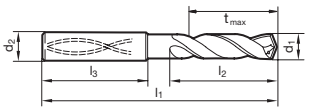
P	M	K	N	S	H
			●		

VHM | LUC IDO | RT 100 AL

140° | m7 | 135° | h7 | R

6062|6063|5768 | 6064

$t_{max} = l_2\text{-}1{,}5 \times d_1$



Assott. del nocc. ≥ Ø 3,000 • affilatura conica • taglienti principali leggermente concavi • geometria di taglio ottimizzata • taglio netto • superfici funzionali lucidate per evitare il tagliente di riporto

		N. art.	6062			5768			6063			6064		
d1	d2 h6	l3	l1	l2	Prezzo	l1	l2	Prezzo	l1	l2	Prezzo	l1	l2	Prezzo
mm	mm	mm	mm	mm	netto	mm	mm	netto	mm	mm	netto	mm	mm	netto
10.90	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
11.00	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•	223.00	174.00	•
11.10	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.11	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.20	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.30	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.40	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.50	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.60	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.70	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.80	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.90	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
11.91	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
12.00	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•	223.00	174.00	•
12.10	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
12.20	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
12.50	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
12.60	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
12.70	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
12.80	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
12.90	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
13.00	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
13.10	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
13.30	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
13.40	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
13.50	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
13.70	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
13.80	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
14.00	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•	251.00	202.00	•
14.10	16.00	48.00				133.00	83.00	•						
14.20	16.00	48.00				133.00	83.00	•						
14.29	16.00	48.00				133.00	83.00	•						
14.30	16.00	48.00				133.00	83.00	•						
14.40	16.00	48.00				133.00	83.00	•						
14.50	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•	282.00	230.00	•
14.70	16.00	48.00				133.00	83.00	•						
14.80	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•	282.00	230.00	•
15.00	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•	282.00	230.00	•
15.10	16.00	48.00				133.00	83.00	•						
15.20	16.00	48.00				133.00	83.00	•						
15.30	16.00	48.00				133.00	83.00	•						
15.50	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•	282.00	230.00	•
15.70	16.00	48.00				133.00	83.00	•						
15.80	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•	282.00	230.00	•
16.00	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•	282.00	230.00	•
16.50	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•			
16.70	18.00	48.00				143.00	93.00	•						
16.90	18.00	48.00				143.00	93.00	•						
17.00	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•			
17.50	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•			
17.70	18.00	48.00				143.00	93.00	•						
18.00	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•			

Punte Ratio con canali di refrigerazione

N. art. 6062 (HA | DIN 6537 K)

N. art. 6063 (HA | Norma interna)

N. art. 5768 (HA | DIN 6537 L)

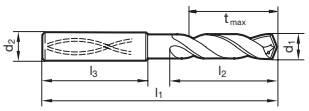
N. art. 6064 (HA | Norma interna)

P M K N S H | VHM | LUC IDO | RT 100 AL

140° | m7 | 135° | h7 | R

6062|6063|5768 | 6064

$t_{max} = l_2\text{-}1{,}5 \times d_1$



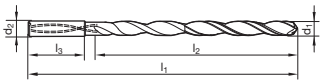
Assott. del nocc. ≥ Ø 3,000 • affilatura conica • taglienti principali leggermente concavi • geometria di taglio ottimizzata • taglio netto • superfici funzionali lucidate per evitare il tagliente di riporto

N. art.			6062			5768			6063			6064		
d1 mm	d2 h6 mm	l3 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
18.50	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•			
18.90	20.00	50.00				153.00	101.00	•						
19.00	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•			
19.05	20.00	50.00				153.00	101.00	•						
19.30	20.00	50.00				153.00	101.00	•						
19.50	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•			
20.00	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•			

Punte Ratio con canali di refrigerazione

N. art. 6515 (HA)

N. art. 6516 (HA)



P M K N S H | VHM | LUC IDO | RT100 T AL

WN | 135° | h7 | R

Assott. del nocc. ≥ Ø 3,000 • affilatura a piani • taglienti principali concavi • sezione della scanalatura ottimizzata • sezione massima dei canali di refrigerazione • rispettare la pressione del lubrorefrigerante

N. art.			6515			6516		
d1 mm	d2 h6 mm	l3 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
3.00	6	36	95	55	•	110	70	•
3.10	6	36	106	66	•	123	83	•
3.17	6	36	106	66	•	123	83	•
3.20	6	36	106	66	•	123	83	•
3.25	6	36	106	66	•	123	83	•
3.30	6	36	106	66	•	123	83	•
3.40	6	36	106	66	•	123	83	•
3.50	6	36	116	76	•	136	96	•
3.57	6	36	116	76	•	136	96	•
3.60	6	36	116	76	•	136	96	•
3.70	6	36	116	76	•	136	96	•
3.80	6	36	116	76	•	136	96	•
3.90	6	36	116	76	•	136	96	•
3.97	6	36	116	76	•	136	96	•
4.00	6	36	116	76	•	136	96	•
4.10	6	36	133	93	•	158	118	•
4.20	6	36	133	93	•	158	118	•
4.30	6	36	133	93	•	158	118	•
4.37	6	36	133	93	•	158	118	•
4.40	6	36	133	93	•	158	118	•
4.50	6	36	133	93	•	158	118	•
4.60	6	36	133	93	•	158	118	•
4.65	6	36	133	93	•	158	118	•
4.70	6	36	133	93	•	158	118	•
4.76	6	36	133	93	•	158	118	•
4.80	6	36	133	93	•	158	118	•
4.90	6	36	133	93	•	158	118	•
5.00	6	36	133	93	•	158	118	•
5.10	6	36	150	110	•	180	140	•
5.16	6	36	150	110	•	180	140	•
5.20	6	36	150	110	•	180	140	•
5.30	6	36	150	110	•	180	140	•

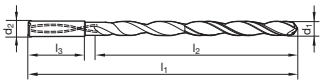
N. art.			6515			6516		
d1 mm	d2 h6 mm	l3 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
5.40	6	36	150	110	•	180	140	•
5.50	6	36	150	110	•	180	140	•
5.55	6	36	150	110	•	180	140	•
5.56	6	36	150	110	•	180	140	•
5.60	6	36	150	110	•	180	140	•
5.70	6	36	150	110	•	180	140	•
5.80	6	36	150	110	•	180	140	•
5.90	6	36	150	110	•	180	140	•
5.95	6	36	150	110	•	180	140	•
6.00	6	36	150	110	•	180	140	•
6.10	8	36	167	127	•	202	162	•
6.20	8	36	167	127	•	202	162	•
6.30	8	36	167	127	•	202	162	•
6.35	8	36	167	127	•	202	162	•
6.40	8	36	167	127	•	202	162	•
6.50	8	36	167	127	•	202	162	•
6.60	8	36	167	127	•	202	162	•
6.70	8	36	167	127	•	202	162	•
6.75	8	36	167	127	•	202	162	•
6.80	8	36	167	127	•	202	162	•
6.90	8	36	167	127	•	202	162	•
7.00	8	36	167	127	•	202	162	•
7.10	8	36	183	143	•	223	183	•
7.14	8	36	183	143	•	223	183	•
7.20	8	36	183	143	•	223	183	•
7.30	8	36	183	143	•	223	183	•
7.40	8	36	183	143	•	223	183	•
7.50	8	36	183	143	•	223	183	•
7.54	8	36	183	143	•	223	183	•
7.60	8	36	183	143	•	223	183	•
7.70	8	36	183	143	•	223	183	•
7.80	8	36	183	143	•	223	183	•

GÜHRING

Punte per foratura profonda con canali di refrigerazione

N. art. 6515 (HA)

N. art. 6516 (HA)



P	M	K	N	S	H
			●		

VHM | LUC IDO | RT100 T AL

WN | 135° | h7 | R

Assott. del nocc. ≥ Ø 3,000 • affilatura a piani • taglienti principali concavi • sezione della scanalatura ottimizzata • sezione massima dei canali di refrigerazione • rispettare la pressione del lubrorefrigerante

N. art.			6515			6516		
d1 mm	d2 h6 mm	l3 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
7.90	8	36	183	143	•	223	183	•
7.94	8	36	183	143	•	223	183	•
8.00	8	36	183	143	•	223	183	•
8.10	10	40	204	160	•	249	205	•
8.20	10	40	204	160	•	249	205	•
8.30	10	40	204	160	•	249	205	•
8.33	10	40	204	160	•	249	205	•
8.40	10	40	204	160	•	249	205	•
8.50	10	40	204	160	•	249	205	•
8.60	10	40	204	160	•	249	205	•
8.70	10	40	204	160	•	249	205	•
8.73	10	40	204	160	•	249	205	•
8.80	10	40	204	160	•	249	205	•
8.90	10	40	204	160	•	249	205	•
9.00	10	40	204	160	•	249	205	•
9.10	10	40	221	177	•	271	227	•
9.13	10	40	221	177	•	271	227	•
9.20	10	40	221	177	•	271	227	•
9.25	10	40	221	177	•	271	227	•
9.30	10	40	221	177	•	271	227	•
9.34	10	40	221	177	•	271	227	•
9.40	10	40	221	177	•	271	227	•
9.50	10	40	221	177	•	271	227	•
9.52	10	40	221	177	•	271	227	•
9.60	10	40	221	177	•	271	227	•
9.70	10	40	221	177	•	271	227	•
9.80	10	40	221	177	•	271	227	•
9.90	10	40	221	177	•	271	227	•
9.92	10	40	221	177	•	271	227	•
10.00	10	40	221	177	•	271	227	•
10.10	12	45	247	198	•	302	253	•
10.20	12	45	247	198	•	302	253	•
10.30	12	45	247	198	•	302	253	•
10.32	12	45	247	198	•	302	253	•

N. art.			6515			6516		
d1 mm	d2 h6 mm	l3 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
10.40	12	45	247	198	•	302	253	•
10.50	12	45	247	198	•	302	253	•
10.60	12	45	247	198	•	302	253	•
10.70	12	45	247	198	•	302	253	•
10.80	12	45	247	198	•	302	253	•
10.90	12	45	247	198	•	302	253	•
11.00	12	45	247	198	•	302	253	•
11.10	12	45	263	214	•	323	274	•
11.11	12	45	263	214	•	323	274	•
11.20	12	45	263	214	•	323	274	•
11.30	12	45	263	214	•	323	274	•
11.40	12	45	263	214	•	323	274	•
11.50	12	45	263	214	•	323	274	•
11.60	12	45	263	214	•	323	274	•
11.70	12	45	263	214	•	323	274	•
11.80	12	45	263	214	•	323	274	•
11.90	12	45	263	214	•	323	274	•
11.91	12	45	263	214	•	323	274	•
12.00	12	45	263	214	•	323	274	•
12.10	14	45	297	248	•	367	318	•
12.20	14	45	297	248	•	367	318	•
12.50	14	45	297	248	•	367	318	•
12.60	14	45	297	248	•	367	318	•
12.70	14	45	297	248	•	367	318	•
12.80	14	45	297	248	•	367	318	•
12.90	14	45	297	248	•	367	318	•
13.00	14	45	297	248	•	367	318	•
13.10	14	45	297	248	•	367	318	•
13.30	14	45	297	248	•	367	318	•
13.40	14	45	297	248	•	367	318	•
13.50	14	45	297	248	•	367	318	•
13.70	14	45	297	248	•	367	318	•
13.80	14	45	297	248	•	367	318	•
14.00	14	45	297	248	•	367	318	•

Perfezionati in Svizzera

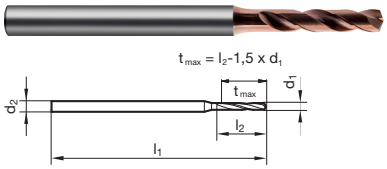
Una parte del valore aggiunto dei nostri utensili standard viene realizzata in Svizzera, presso la nostra sede di Altdorf (Uri).

Qui uniamo gli standard qualitativi svizzeri alla massima precisione.

Micropunte senza canali di refrigerazione

RT 100 INOXPRO

N. art. 6487 (cil.)



P	M	K	N	S	H
○	●		○	●	

VHM · Perrox · INOXPRO · 3xD · WN · 140° · m7 · R

Assott. del nocc. ≥ Ø 0,500 • affilatura a piani • taglienti principali leggermente concavi • geometria di taglio ottimizzata

N. art.	6487			
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
0.50	3.00	38.00	2.80	•
0.55	3.00	38.00	3.10	•
0.60	3.00	38.00	3.30	•
0.65	3.00	38.00	3.60	•
0.66	3.00	38.00	3.70	•
0.70	3.00	38.00	3.90	•
0.74	3.00	38.00	4.10	•
0.75	3.00	38.00	4.20	•
0.79	3.00	38.00	4.40	•
0.80	3.00	38.00	4.40	•
0.82	3.00	38.00	4.60	•
0.85	3.00	38.00	4.70	•
0.90	3.00	38.00	5.00	•
0.95	3.00	38.00	5.30	•
1.00	3.00	38.00	5.50	•
1.02	3.00	38.00	5.70	•
1.05	3.00	38.00	5.80	•
1.10	3.00	38.00	6.10	•
1.15	3.00	38.00	6.40	•
1.18	3.00	38.00	6.50	•
1.19	3.00	38.00	6.60	•
1.20	3.00	38.00	6.60	•

N. art.	6487			
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
1.25	3.00	38.00	6.90	•
1.28	3.00	38.00	7.10	•
1.30	3.00	38.00	7.20	•
1.35	3.00	38.00	7.50	•
1.40	4.00	46.00	7.70	•
1.45	4.00	46.00	8.00	•
1.46	4.00	46.00	8.10	•
1.50	4.00	46.00	8.30	•
1.55	4.00	46.00	8.60	•
1.56	4.00	46.00	8.60	•
1.59	4.00	46.00	8.80	•
1.60	4.00	46.00	8.80	•
1.65	4.00	46.00	9.10	•
1.66	4.00	46.00	9.20	•
1.70	4.00	46.00	9.40	•
1.75	4.00	46.00	9.70	•
1.80	4.00	46.00	9.90	•
1.85	4.00	46.00	10.20	•
1.90	4.00	46.00	10.50	•
1.95	4.00	46.00	10.80	•
1.98	4.00	46.00	10.90	•
2.00	4.00	46.00	11.00	•

N. art.	6487			
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto
2.05	4.00	46.00	11.30	•
2.10	4.00	50.00	11.60	•
2.15	4.00	50.00	11.90	•
2.20	4.00	50.00	12.10	•
2.25	4.00	50.00	12.40	•
2.30	4.00	50.00	12.70	•
2.35	4.00	50.00	13.00	•
2.38	4.00	50.00	13.10	•
2.40	4.00	50.00	13.20	•
2.45	4.00	50.00	13.50	•
2.50	4.00	50.00	13.80	•
2.55	4.00	50.00	14.10	•
2.60	4.00	50.00	14.30	•
2.65	4.00	50.00	14.60	•
2.70	4.00	50.00	14.90	•
2.75	4.00	50.00	15.20	•
2.78	4.00	50.00	15.30	•
2.80	4.00	50.00	15.40	•
2.85	4.00	50.00	15.70	•
2.90	4.00	50.00	16.00	•
2.95	4.00	50.00	16.30	•
3.00	4.00	50.00	16.50	•

Micropunta InoxPro

MICROPUNTE PER PRESTAZIONI ESTREME

- Micropunte per acciai inossidabili, leghe speciali e titanio
- Tagliente principale concavo per trucioli corti e un'evacuazione sicura
- Rivestimento Perrox per avanzamenti elevati e durate utensile affidabili

RT 100 INOXPRO

> Tempo ciclo ridotto del **40 %**
> Durata utensile aumentata del **35 %**

REPORT DELLE PRESTAZIONI

	Utensile Concorrente	RT 100 InoxPro Micro
Numero di taglienti	2	2
Diametro (Ø)	2,00 mm	2,00 mm
Velocità di taglio (v_c)	60 m/min	80 m/min
Velocità di rotazione (n)	9.549 giri/min	12.732 giri/min
Avanzamento per giro (f)	0,03 mm/giro	0,05 mm/giro
Velocità di avanzamento (v_f)	286 mm/min	637 mm/min
Profondità di foratura (a_p)	20,8 mm	20,8 mm
Tempo di lavorazione per foro	5,9 sec.	3,5 sec.

GÜHRING

Micropunte con canali di refrigerazione

RT 100 INOXPRO

N. art. 6488 (cil.)

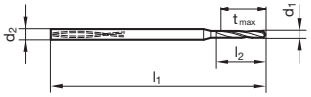
N. art. 6489 (cil.)

P	M	K	N	S	H
○	●		○	●	

VHM | Perrox | INOXPRO | WN | 140° | m7 | R

Assott. del nocc. ≥ Ø 1,000 • affilatura a piani • taglienti principali leggermente concavi • geometria di taglio ottimizzata

$t_{max} = l_2 - 1{,}5 \times d_1$



N. art.		6488			6489		
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
1.00	3.00	38.00	5.50	•	48.00	9.00	•
1.02	3.00	38.00	5.70	•			
1.05	3.00	38.00	5.80	•	48.00	9.50	•
1.10	3.00	38.00	6.10	•	48.00	9.90	•
1.15	3.00	38.00	6.40	•	48.00	10.40	•
1.18	3.00	38.00	6.50	•			
1.19	3.00	38.00	6.60	•	48.00	10.80	•
1.20	3.00	38.00	6.60	•	51.00	10.80	•
1.25	3.00	38.00	6.90	•	51.00	11.30	•
1.28	3.00	38.00	7.10	•			
1.30	3.00	38.00	7.20	•	51.00	11.70	•
1.35	3.00	38.00	7.50	•	51.00	12.20	•
1.40	4.00	46.00	7.70	•	56.00	12.60	•
1.45	4.00	46.00	8.00	•	56.00	13.10	•
1.46	4.00	46.00	8.10	•			
1.50	4.00	46.00	8.30	•	56.00	13.50	•
1.55	4.00	46.00	8.60	•	56.00	14.00	•
1.56	4.00	46.00	8.60	•			
1.59	4.00	46.00	8.80	•	56.00	14.40	•
1.60	4.00	46.00	8.80	•	56.00	14.40	•
1.65	4.00	46.00	9.10	•	56.00	14.90	•
1.66	4.00	46.00	9.20	•			
1.70	4.00	46.00	9.40	•	61.00	15.30	•
1.75	4.00	46.00	9.70	•	61.00	15.80	•
1.80	4.00	46.00	9.90	•	61.00	16.20	•
1.85	4.00	46.00	10.20	•	61.00	16.70	•

N. art.		6488			6489		
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
1.90	4.00	46.00	10.50	•	61.00	17.10	•
1.95	4.00	46.00	10.80	•	61.00	17.60	•
1.98	4.00	46.00	10.90	•	61.00	17.90	•
2.00	4.00	46.00	11.00	•	61.00	18.00	•
2.05	4.00	46.00	11.30	•	61.00	18.50	•
2.10	4.00	50.00	11.60	•	66.00	18.90	•
2.15	4.00	50.00	11.90	•	66.00	19.40	•
2.20	4.00	50.00	12.10	•	66.00	19.80	•
2.25	4.00	50.00	12.40	•	66.00	20.30	•
2.30	4.00	50.00	12.70	•	66.00	20.70	•
2.35	4.00	50.00	13.00	•	66.00	21.20	•
2.38	4.00	50.00	13.10	•	66.00	21.50	•
2.40	4.00	50.00	13.20	•	66.00	21.60	•
2.45	4.00	50.00	13.50	•	66.00	22.10	•
2.50	4.00	50.00	13.80	•	66.00	22.50	•
2.55	4.00	50.00	14.10	•	66.00	23.00	•
2.60	4.00	50.00	14.30	•	71.00	23.40	•
2.65	4.00	50.00	14.60	•	71.00	23.90	•
2.70	4.00	50.00	14.90	•	71.00	24.30	•
2.75	4.00	50.00	15.20	•	71.00	24.80	•
2.78	4.00	50.00	15.30	•	71.00	25.10	•
2.80	4.00	50.00	15.40	•	71.00	25.20	•
2.85	4.00	50.00	15.70	•	71.00	25.70	•
2.90	4.00	50.00	16.00	•	71.00	26.10	•
2.95	4.00	50.00	16.30	•	71.00	26.60	•
3.00	4.00	50.00	16.50	•	71.00	27.00	•

RT 100 INOXPRO

ESPERTI NEGLI ACCIAI INOSSIDABILI

InoxPro, il nostro programma per la lavorazione efficiente degli acciai inossidabili.
Per parametri di taglio elevati, lunga durata utensile e massima redditività.

Micropunte con canali di refrigerazione

RT 100 INOX PRO

N. art. 6490 (cil.)

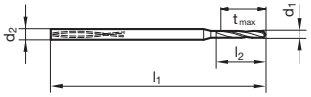
N. art. 6491 (cil.)

P	M	K	N	S	H
○	●		○	●	

VHM | Perrox | INOX PRO | WN | 135° | h7 | R

Assott. del nocc. ≥ Ø 1,000 • affilatura a piani • taglienti principali leggermente concavi • geometria di taglio ottimizzata

$t_{max} = l_2 - 1{,}5 \times d_1$



N. art.		6490			6491		
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
1.00	3.00	48.00	13.00	•	54.00	18.00	•
1.05	3.00	48.00	13.70	•	54.00	18.90	•
1.10	3.00	48.00	14.30	•	54.00	19.80	•
1.15	3.00	48.00	15.00	•	54.00	20.70	•
1.19	3.00	48.00	15.50	•	54.00	21.50	•
1.20	3.00	51.00	15.60	•	58.00	21.60	•
1.25	3.00	51.00	16.30	•	58.00	22.50	•
1.30	3.00	51.00	16.90	•	58.00	23.40	•
1.35	3.00	51.00	17.60	•	58.00	24.30	•
1.40	4.00	56.00	18.20	•	64.00	25.20	•
1.45	4.00	56.00	18.90	•	64.00	26.10	•
1.50	4.00	56.00	19.50	•	64.00	27.00	•
1.55	4.00	56.00	20.20	•	64.00	27.90	•
1.59	4.00	56.00	20.70	•	64.00	28.70	•
1.60	4.00	56.00	20.80	•	64.00	28.80	•
1.65	4.00	56.00	21.50	•	64.00	29.70	•
1.70	4.00	61.00	22.10	•	71.00	30.60	•
1.75	4.00	61.00	22.80	•	71.00	31.50	•
1.80	4.00	61.00	23.40	•	71.00	32.40	•
1.85	4.00	61.00	24.10	•	71.00	33.30	•
1.90	4.00	61.00	24.70	•	71.00	34.20	•
1.95	4.00	61.00	25.40	•	71.00	35.10	•
1.98	4.00	61.00	25.80	•	71.00	35.70	•

N. art.		6490			6491		
d1 mm	d2 h6 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
2.00	4.00	61.00	26.00	•	71.00	36.00	•
2.05	4.00	61.00	26.70	•	71.00	36.90	•
2.10	4.00	66.00	27.30	•	79.00	37.80	•
2.15	4.00	66.00	28.00	•	79.00	38.70	•
2.20	4.00	66.00	28.60	•	79.00	39.60	•
2.25	4.00	66.00	29.30	•	79.00	40.50	•
2.30	4.00	66.00	29.90	•	79.00	41.40	•
2.35	4.00	66.00	30.60	•	79.00	42.30	•
2.38	4.00	66.00	31.00	•	79.00	42.90	•
2.40	4.00	66.00	31.20	•	79.00	43.20	•
2.45	4.00	66.00	31.90	•	79.00	44.10	•
2.50	4.00	66.00	32.50	•	79.00	45.00	•
2.55	4.00	66.00	33.20	•	79.00	45.90	•
2.60	4.00	71.00	33.80	•	87.00	46.80	•
2.65	4.00	71.00	34.50	•	87.00	47.70	•
2.70	4.00	71.00	35.10	•	87.00	48.60	•
2.75	4.00	71.00	35.80	•	87.00	49.50	•
2.78	4.00	71.00	36.20	•	87.00	50.10	•
2.80	4.00	71.00	36.40	•	87.00	50.40	•
2.85	4.00	71.00	37.10	•	87.00	51.30	•
2.90	4.00	71.00	37.70	•	87.00	52.20	•
2.95	4.00	71.00	38.40	•	87.00	53.10	•
3.00	4.00	71.00	39.00	•	87.00	54.00	•

Punte in carburo integrale InoxPro

MASSIMA PRODUTTIVITÀ CON LO SPECIALISTA DELLA FORATURA

- Tagliente a forma di falce contro la tendenza al grippaggio
- Scanalature lucidate e rivestimento HiPIMS Perrox per un controllo sicuro del truciolo
- Massima sicurezza di processo fino a 7xD

RT 100 INOX PRO

> Tempo ciclo ridotto del **70 %** a parità di durata utensile

REPORT DELLE PRESTAZIONI

	Utensile Concorrente	RT 100 InoxPro
Numero di taglienti	2	2
Diametro (Ø)	12,2 mm	12,2 mm
Velocità di taglio (v_c)	42 m/min	85 m/min
Velocità di rotazione (n)	1.100 giri/min	2.200 giri/min
Avanzamento per giro (f)	0,11 mm/giro	0,2 mm/giro
Velocità di avanzamento (v_f)	120 mm/min	440 mm/min
Profondità di foratura (a_p)	90,5 mm	90,5 mm
Durata utensile	35 m	35 m
Tempo di lavorazione per foro	45,3 sec.	12,5 sec.

Punte Ratio con canali di refrigerazione

RT 100 INOX PRO

N. art. 8512 (HA)

3xD

N. art. 8514 (HA)

7xD

N. art. 8513 (HA)

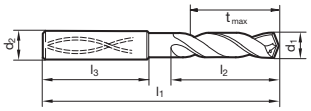
5xD

P	M	K	N	S	H
○	●			●	

VHM · Perrox · INOX PRO

DIN 6537 K	DIN 6537 L	WN	140°	m7	R		
8512	8513	8514					

$t_{max} = l_2$-1,5 x d_1



Assott. del nocc. ≥ Ø 3,000 • massime prestazioni • geometria di taglio ottimizzata • taglienti principali leggermente concavi • massima qualità del foro

		N. art.	8512			8513			8514		
d1 mm	d2 mm	l3 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
3.00	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•
3.10	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•
3.17	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•
3.20	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•
3.25	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•
3.30	6.00	36.00	62.00	20.00	•	66.00	28.00	•	70.00	30.00	•
3.40	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•
3.50	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•
3.57	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•
3.60	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•
3.70	6.00	36.00	62.00	20.00	•	66.00	28.00	•	75.00	35.50	•
3.80	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•
3.90	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•
3.97	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•
4.00	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•
4.04	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•
4.10	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•
4.20	6.00	36.00	66.00	24.00	•	74.00	36.00	•	75.00	37.50	•
4.30	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•
4.37	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•
4.40	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•
4.50	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•
4.60	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•
4.65	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•
4.70	6.00	36.00	66.00	24.00	•	74.00	36.00	•	85.00	45.00	•
4.76	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•
4.80	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•
4.90	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•
5.00	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•
5.10	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•
5.11	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•
5.16	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•
5.20	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•
5.30	6.00	36.00	66.00	28.00	•	82.00	44.00	•	90.00	50.00	•
5.40	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
5.41	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
5.50	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
5.55	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
5.56	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
5.60	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
5.70	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
5.80	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
5.90	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
5.95	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
6.00	6.00	36.00	66.00	28.00	•	82.00	44.00	•	97.00	57.00	•
6.10	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.20	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.30	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.35	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.40	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.50	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.53	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•

Punte Ratio con canali di refrigerazione

RT 100 INOX PRO

N. art. 8512 (HA)

N. art. 8513 (HA)

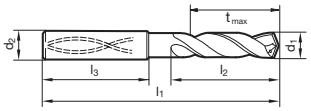
N. art. 8514 (HA)

P	M	K	N	S	H
○	●			●	

VHM · Perrox · INOX PRO

DIN 6537 K – 8512 · DIN 6537 L – 8513 · WN – 8514 · 140° · m7 · R

$t_{max} = l_2\text{-}1{,}5 \times d_1$



Assott. del nocc. ≥ Ø 3,000 • massime prestazioni • geometria di taglio ottimizzata • taglienti principali leggermente concavi • massima qualità del foro

		N. art.	8512			8513			8514		
d1	d2	l3	l1	l2	Prezzo	l1	l2	Prezzo	l1	l2	Prezzo
mm	mm	mm	mm	mm	netto	mm	mm	netto	mm	mm	netto
6.55	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.60	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.70	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.75	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.80	8.00	36.00	79.00	34.00	•	91.00	53.00	•	106.00	66.00	•
6.90	8.00	36.00	79.00	34.00	•	91.00	53.00	•	116.00	76.00	•
7.00	8.00	36.00	79.00	34.00	•	91.00	53.00	•	116.00	76.00	•
7.10	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.14	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.20	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.30	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.40	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.50	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.54	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.55	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.60	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.65	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.70	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.80	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.90	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
7.94	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
8.00	8.00	36.00	79.00	41.00	•	91.00	53.00	•	116.00	76.00	•
8.10	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.20	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.30	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.33	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.40	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.50	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.60	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.70	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.73	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.80	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
8.90	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
9.00	10.00	40.00	89.00	47.00	•	103.00	61.00	•	131.00	87.00	•
9.10	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.13	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.20	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.25	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.30	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.34	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.40	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.50	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.52	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.55	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.60	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.70	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.80	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.90	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
9.92	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
10.00	10.00	40.00	89.00	47.00	•	103.00	61.00	•	139.00	95.00	•
10.10	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
10.20	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•

GÜHRING

Punte Ratio con canali di refrigerazione

RT 100 INOX PRO

N. art. 8512 (HA)

3xD

N. art. 8513 (HA)

5xD

N. art. 8514 (HA)

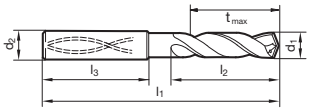
7xD

P	M	K	N	S	H
○	●			●	

VHM · Perrox · INOX PRO

DIN 6537 K (8512) · DIN 6537 L (8513) · WN (8514) · 140° · m7 · R

$t_{max} = l_2 - 1{,}5 \times d_1$



Assott. del nocc. ≥ Ø 3,000 • massime prestazioni • geometria di taglio ottimizzata • taglienti principali leggermente concavi • massima qualità del foro

		N. art.	8512			8513			8514		
d1 mm	d2 mm	l3 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
10.30	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
10.32	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
10.40	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
10.50	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
10.60	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
10.70	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
10.72	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
10.80	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
10.90	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
11.00	12.00	45.00	102.00	55.00	•	118.00	71.00	•	155.00	106.00	•
11.10	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.11	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.20	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.30	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.40	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.50	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.51	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.55	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.60	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.70	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.80	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.90	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
11.91	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
12.00	12.00	45.00	102.00	55.00	•	118.00	71.00	•	163.00	114.00	•
12.10	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
12.20	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
12.30	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
12.40	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
12.50	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
12.60	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
12.70	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
12.80	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
12.90	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.00	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.10	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.20	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.30	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.40	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.49	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.50	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.60	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.70	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.80	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.89	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
13.90	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
14.00	14.00	45.00	107.00	60.00	•	124.00	77.00	•	182.00	133.00	•
14.10	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
14.20	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
14.29	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
14.30	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
14.40	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
14.50	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•

Punte Ratio con canali di refrigerazione

RT 100 INOX PRO

N. art. 8512 (HA)

3xD

N. art. 8514 (HA)

7xD

N. art. 8513 (HA)

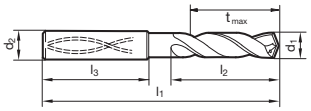
5xD

P	M	K	N	S	H
○	●			●	

VHM · Perrox · INOX PRO

DIN 6537 K (8512) · DIN 6537 L (8513) · WN (8514) · 140° · m7 · R

$t_{max} = l_2\text{-}1{,}5 \times d_1$



Assott. del nocc. ≥ Ø 3,000 • massime prestazioni • geometria di taglio ottimizzata • taglienti principali leggermente concavi • massima qualità del foro

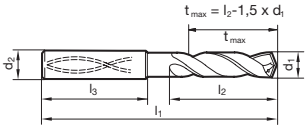
		N. art.	8512			8513			8514		
d1 mm	d2 mm	l3 mm	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto	l1 mm	l2 mm	Prezzo netto
14.60	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
14.68	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
14.70	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
14.80	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
14.90	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.00	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.08	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.10	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.20	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.30	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.40	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.48	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.50	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.55	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.60	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.70	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.80	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.87	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
15.90	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
16.00	16.00	48.00	115.00	65.00	•	133.00	83.00	•	204.00	152.00	•
16.27	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
16.30	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
16.50	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
16.67	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
16.70	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
16.90	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
17.00	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
17.07	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
17.46	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
17.50	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
17.55	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
17.70	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
17.86	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
18.00	18.00	48.00	123.00	73.00	•	143.00	93.00	•	223.00	171.00	•
18.26	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
18.50	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
18.70	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
18.90	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.00	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.05	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.25	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.30	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.45	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.50	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.55	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.70	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.80	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
19.84	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•
20.00	20.00	50.00	131.00	79.00	•	153.00	101.00	•	244.00	190.00	•

GÜHRING

Punte Ratio con canali di refrigerazione

RT 100 INOX PRO

N. art. 8518 (HA)



P	M	K	N	S	H
○	●			●	

VHM | Perrox | INOX PRO | 12xD | WN | 135° | h7 | R

Massime prestazioni • geometria di taglio ottimizzata • taglienti principali leggermente concavi • massima qualità del foro • foro pilota richiesto

N. art.		8518			
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
3.00	6	95	55	36	•
3.10	6	95	55	36	•
3.17	6	95	55	36	•
3.20	6	95	55	36	•
3.25	6	95	55	36	•
3.30	6	95	55	36	•
3.40	6	95	55	36	•
3.50	6	102	62	36	•
3.57	6	102	62	36	•
3.60	6	102	62	36	•
3.70	6	102	62	36	•
3.80	6	102	62	36	•
3.90	6	102	62	36	•
3.97	6	102	62	36	•
4.00	6	102	62	36	•
4.04	6	109	69	36	•
4.10	6	109	69	36	•
4.20	6	109	69	36	•
4.30	6	109	69	36	•
4.37	6	109	69	36	•
4.40	6	109	69	36	•
4.50	6	116	76	36	•
4.60	6	116	76	36	•
4.65	6	116	76	36	•
4.70	6	116	76	36	•
4.76	6	116	76	36	•
4.80	6	116	76	36	•
4.90	6	116	76	36	•
5.00	6	116	76	36	•
5.10	6	123	83	36	•
5.11	6	123	83	36	•
5.16	6	123	83	36	•
5.20	6	123	83	36	•
5.30	6	123	83	36	•
5.40	6	123	83	36	•
5.41	6	123	83	36	•
5.50	6	130	90	36	•
5.56	6	130	90	36	•
5.60	6	130	90	36	•
5.70	6	130	90	36	•
5.80	6	130	90	36	•
5.90	6	130	90	36	•
5.95	6	130	90	36	•
6.00	6	130	90	36	•
6.10	8	158	118	36	•
6.20	8	158	118	36	•
6.30	8	158	118	36	•
6.35	8	158	118	36	•
6.40	8	158	118	36	•
6.50	8	158	118	36	•
6.53	8	158	118	36	•

N. art.		8518			
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
6.60	8	158	118	36	•
6.70	8	158	118	36	•
6.75	8	158	118	36	•
6.80	8	158	118	36	•
6.90	8	158	118	36	•
7.00	8	158	118	36	•
7.10	8	158	118	36	•
7.14	8	158	118	36	•
7.20	8	158	118	36	•
7.30	8	158	118	36	•
7.40	8	158	118	36	•
7.50	8	158	118	36	•
7.54	8	158	118	36	•
7.60	8	158	118	36	•
7.70	8	158	118	36	•
7.80	8	158	118	36	•
7.90	8	158	118	36	•
7.94	8	158	118	36	•
8.00	8	158	118	36	•
8.10	10	190	146	40	•
8.20	10	190	146	40	•
8.30	10	190	146	40	•
8.33	10	190	146	40	•
8.40	10	190	146	40	•
8.50	10	190	146	40	•
8.60	10	190	146	40	•
8.70	10	190	146	40	•
8.73	10	190	146	40	•
8.80	10	190	146	40	•
8.90	10	190	146	40	•
9.00	10	190	146	40	•
9.10	10	190	146	40	•
9.13	10	190	146	40	•
9.20	10	190	146	40	•
9.25	10	190	146	40	•
9.30	10	190	146	40	•
9.34	10	190	146	40	•
9.40	10	190	146	40	•
9.50	10	190	146	40	•
9.52	10	190	146	40	•
9.60	10	190	146	40	•
9.70	10	190	146	40	•
9.80	10	190	146	40	•
9.90	10	190	146	40	•
9.92	10	190	146	40	•
10.00	10	190	146	40	•
10.10	12	223	174	45	•
10.20	12	223	174	45	•
10.30	12	223	174	45	•
10.32	12	223	174	45	•
10.40	12	223	174	45	•

N. art.		8518			
d1 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	Prezzo netto
10.50	12	223	174	45	•
10.60	12	223	174	45	•
10.70	12	223	174	45	•
10.72	12	223	174	45	•
10.80	12	223	174	45	•
10.90	12	223	174	45	•
11.00	12	223	174	45	•
11.10	12	223	174	45	•
11.11	12	223	174	45	•
11.20	12	223	174	45	•
11.30	12	223	174	45	•
11.40	12	223	174	45	•
11.50	12	223	174	45	•
11.51	12	223	174	45	•
11.60	12	223	174	45	•
11.70	12	223	174	45	•
11.80	12	223	174	45	•
11.90	12	223	174	45	•
11.91	12	223	174	45	•
12.00	12	223	174	45	•
12.20	14	251	202	45	•
12.30	14	251	202	45	•
12.50	14	251	202	45	•
12.70	14	251	202	45	•
13.00	14	251	202	45	•
13.10	14	251	202	45	•
13.49	14	251	202	45	•
13.50	14	251	202	45	•
13.89	14	251	202	45	•
14.00	14	251	202	45	•
14.20	16	282	230	48	•
14.29	16	282	230	48	•
14.30	16	282	230	48	•
14.40	16	282	230	48	•
14.50	16	282	230	48	•
14.68	16	282	230	48	•
14.70	16	282	230	48	•
15.00	16	282	230	48	•
15.08	16	282	230	48	•
15.10	16	282	230	48	•
15.48	16	282	230	48	•
15.50	16	282	230	48	•
15.80	16	282	230	48	•
15.87	16	282	230	48	•
15.90	16	282	230	48	•
16.00	16	282	230	48	•

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- **Consultare prezzi e stock in tempo reale**
- **I vostri codici materiale semplificano l'ordine**
- **Processi di approvazione personalizzati per la vostra azienda**
- **Scaricare comodamente i dati CAD direttamente durante l'acquisto**

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