



SERIE EXTRA CORTA / STUB LENGTH SERIES

Punte con attacco cilindrico in HSS, HSS-Co e metallo duro integrale

Twist drills with straight shank made of HSS, HSS-Co and solid carbide



Tipo / Type						N	NK	N	H	NS	VA	VA	STL	STL	STL	N	
Direzione di taglio Cutting direction																	
Materiale/Material						HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	K10/20	
Ø mm h8	Ø "	Ø No. mm	L ₁ mm	L ₂ mm	L ₂ mm 6132	6156	6109	6159	6186	6246	6135	6135 TX	6131	6132	6132 TN	6149	
0,400			19	2		-	-	-	-	●	-	-	-	-	-	-	
0,500			20	3		●	-	●	-	●	-	-	-	-	-	-	
0,550			21	3		●	-	●	-	-	-	-	-	-	-	-	
0,600			21	3		●	-	●	-	●	-	-	-	-	-	-	
0,650			22	4		-	-	●	-	-	-	-	-	-	-	-	
0,700			23	4		●	-	●	-	●	-	-	-	-	-	-	
0,750			23	4		●	-	●	-	-	-	-	-	-	-	-	
0,800			24	5		●	-	●	-	●	-	-	-	-	-	-	
0,850			24	5		●	-	●	-	-	-	-	-	-	-	-	
0,900			25	5		●	-	●	-	●	-	-	-	-	-	-	
0,950			25	5		●	-	●	-	-	-	-	-	-	-	-	
1,000			26	6	8	●	-	●	●	●	■	■	●	●	●	●	
1,016		60	26	6		-	-	-	-	-	-	-	●	-	-	-	
1,041		59	26	6		-	-	-	-	-	-	-	●	-	-	-	
1,050			26	6		●	-	●	-	-	-	-	-	-	-	-	
1,067		58	26	6		-	-	-	-	-	-	-	●	-	-	-	
1,092		57	26	7		-	-	-	-	-	-	-	●	-	-	-	
1,100			28	7	9	●	-	●	●	●	■	■	●	●	●	●	
1,150			28	7		●	-	●	-	-	-	-	-	-	-	-	
1,181		56	30	8		-	-	-	-	-	-	-	●	-	-	-	
1,191	3/64		30	8		-	-	-	-	-	-	-	●	-	-	-	
1,200			30	8	10	●	-	●	●	●	●	●	●	●	●	●	
1,250			30	8		●	-	●	-	-	-	-	-	-	-	-	
1,300			30	8	10	●	-	●	●	●	■	■	●	●	●	●	
1,321		55	32	9		-	-	-	-	-	-	-	●	-	-	-	
1,350			32	9		●	-	●	-	-	-	-	-	-	-	-	
1,397		54	32	9		-	-	-	-	-	-	-	●	-	-	-	
1,400			32	9	12	●	-	●	●	●	■	■	●	●	●	●	
1,450			32	9		●	-	●	-	-	-	-	-	-	-	-	
1,500			32	9	12	●	-	●	●	●	■	■	●	●	●	●	
1,511		53	34	10		-	-	-	-	-	-	-	●	-	-	-	
1,550			34	10		●	-	●	●	-	-	-	-	-	-	-	
1,588	1/16		34	10		-	-	-	-	-	-	-	●	-	-	-	
1,600			34	10	13	●	-	●	●	●	■	■	●	●	●	●	
1,613		52	34	10		-	-	-	-	-	-	-	●	-	-	-	
1,650			34	10		●	-	●	-	-	-	-	-	-	-	-	
1,700			34	10	13	●	-	●	●	●	●	●	●	●	●	●	
1,702		51	36	11		-	-	-	-	-	-	-	●	-	-	-	
1,750			36	11		●	-	●	●	-	-	-	-	-	-	-	

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA CORTA / STUB LENGTH SERIES

Punte con attacco cilindrico in HSS, HSS-Co e metallo duro integrale

Twist drills with straight shank made of HSS, HSS-Co and solid carbide



Tipo / Type						N	NK	N	H	NS	VA	VA	STL	STL	STL	N	
Direzione di taglio Cutting direction																	
Materiale/Material						HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	K10/20	
Ø mm h8	Ø "	Ø No. mm	L ₁ mm	L ₂ mm	L _{2mm} 6132	6156	6109	6159	6186	6246	6135	6135 TX	6131	6132	6132 TN	6149	
1,778		50	36	11		-	-	-	-	-	-	-	●	-	-	-	
1,800			36	11	14	●	-	●	●	●	■	■	●	●	●	●	
1,850			36	11		●	-	●	●	-	-	-	-	-	-	-	
1,854		49	36	11		-	-	-	-	-	-	-	●	-	-	-	
1,900			36	11	14	●	-	●	●	●	■	■	●	●	●	●	
1,930		48	38	12		-	-	-	-	-	-	-	●	-	-	-	
1,950			38	12		●	-	●	●	-	-	-	-	-	-	-	
1,984		5/64	38	12		-	-	-	-	-	-	-	●	-	-	-	
1,994		47	38	12		-	-	-	-	-	-	-	●	-	-	-	
2,000			38	12	16	●	●	●	●	●	●	●	●	●	●	●	
2,050			38	12		●	-	●	●	-	-	-	-	-	-	-	
2,057		46	38	12		-	-	-	-	-	-	-	●	-	-	-	
2,083		45	38	12		-	-	-	-	-	-	-	●	-	-	-	
2,100			38	12	16	●	●	●	●	●	■	■	●	●	●	●	
2,150		40	40	13		●	-	●	-	-	-	-	-	-	-	-	
2,184		44	40	13		-	-	-	-	-	-	-	●	-	-	-	
2,200			40	13	17	●	■	●	●	●	■	■	●	●	●	●	
2,250			40	13		●	-	●	●	-	-	-	-	-	-	-	
2,261		43	40	13		-	-	-	-	-	-	-	●	-	-	-	
2,300			40	13	17	●	●	●	●	●	■	■	●	●	●	●	
2,350			40	13		●	-	●	●	-	-	-	-	-	-	-	
2,375		42	43	14		-	-	-	-	-	-	-	●	-	-	-	
2,383		3/32	43	14		-	-	-	-	-	-	-	●	-	-	-	
2,400			43	14	18	●	●	●	●	●	■	■	●	●	●	●	
2,438		41	43	14		-	-	-	-	-	-	-	●	-	-	-	
2,450			43	14		●	-	●	●	-	-	-	-	-	-	-	
2,489		40	43	14		-	-	-	-	-	-	-	●	-	-	-	
2,500			43	14	18	●	●	●	●	●	●	●	●	●	●	●	
2,527		39	43	14		-	-	-	-	-	-	-	●	-	-	-	
2,550			43	14		●	-	●	●	-	-	-	-	-	-	-	
2,578		38	43	14		-	-	-	-	-	-	-	●	-	-	-	
2,600			43	14	18	●	●	●	●	●	■	■	●	●	●	●	
2,642		37	43	14		-	-	-	-	-	-	-	●	-	-	-	
2,650			43	14		●	-	●	-	-	-	-	-	-	-	-	
2,700			46	16	21	●	●	●	●	●	■	■	●	●	●	●	
2,705		36	46	16		-	-	-	-	-	-	-	●	-	-	-	
2,750			46	16		●	-	●	-	-	-	-	-	-	-	-	
2,779		7/64	46	16		-	-	-	-	-	-	-	●	-	-	-	
2,794		35	46	16		-	-	-	-	-	-	-	●	-	-	-	
2,800			46	16	21	●	●	●	●	●	●	●	●	●	●	●	

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA CORTA / STUB LENGTH SERIES

Punte con attacco cilindrico in HSS, HSS-Co e metallo duro integrale

Twist drills with straight shank made of HSS, HSS-Co and solid carbide



Tipo / Type						N	NK	N	H	NS	VA	VA	STL	STL	STL	N	
Direzione di taglio Cutting direction																	
Materiale/Material						HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	K10/20	
Ø mm h8	Ø "	Ø No. mm	L ₁ mm	L ₂ mm	L _{2mm} 6132	6156	6109	6159	6186	6246	6135	6135 TX	6131	6132	6132 TN	6149	
2,819		34	46	16		-	-	-	-	-	-	-	●	-	-	-	
2,850			46	16		●	-	●	-	-	-	-	-	-	-	-	
2,870		33	46	16		-	-	-	-	-	-	-	●	-	-	-	
2,900			46	16	21	●	●	●	●	●	●	●	●	●	●	●	
2,946		32	46	16		-	-	-	-	-	-	-	●	-	-	-	
2,950			46	16		●	-	●	●	-	-	-	-	-	-	-	
3,000			46	16	21	●	●	●	●	●	■	■	●	●	●	●	
3,048		31	49	18		-	-	-	-	-	-	-	●	-	-	-	
3,100			49	18	23	●	●	●	●	●	-	-	●	●	●	●	
3,175	1/8		49	18		-	-	-	-	-	-	-	●	-	-	-	
3,200			49	18	23	●	●	●	●	●	■	■	●	●	●	●	
3,250			49	18		●	-	●	●	-	-	-	-	-	-	-	
3,264		30	49	18		-	-	-	-	-	-	-	●	-	-	-	
3,300			49	18	23	●	●	●	●	●	■	■	●	●	●	●	
3,400			52	20	26	●	●	●	●	●	■	■	●	●	●	●	
3,454		29	52	20		-	-	-	-	-	-	-	●	-	-	-	
3,500			52	20	26	●	●	●	●	●	■	■	●	●	●	●	
3,569		28	52	20		-	-	-	-	-	-	-	●	-	-	-	
3,571	9/64		52	20		-	-	-	-	-	-	-	●	-	-	-	
3,600			52	20	26	●	●	●	●	●	■	■	●	●	●	●	
3,658		27	52	20		-	-	-	-	-	-	-	●	-	-	-	
3,700			52	20	26	●	●	●	●	●	●	●	●	●	●	●	
3,734		26	52	20		-	-	-	-	-	-	-	●	-	-	-	
3,750			52	20		●	-	●	-	-	-	-	-	-	-	-	
3,797		25	55	22		-	-	-	-	-	-	-	●	-	-	-	
3,800			55	22	29	●	●	●	●	●	■	■	●	●	●	●	
3,861		24	55	22		-	-	-	-	-	-	-	●	-	-	-	
3,900			55	22	29	●	■	●	●	●	●	●	●	●	●	●	
3,912		23	55	22		-	-	-	-	-	-	-	●	-	-	-	
3,970	5/32		55	22		●	-	-	-	-	-	-	●	-	-	-	
3,988		22	55	22		-	-	-	-	-	-	-	●	-	-	-	
4,000			55	22	29	●	●	●	●	●	●	●	●	●	●	●	
4,039		21	55	22		-	-	-	-	-	-	-	●	-	-	-	
4,089		20	55	22		-	-	-	-	-	-	-	●	-	-	-	
4,100			55	22	29	●	●	●	●	●	●	●	●	●	●	●	
4,200			55	22	29	●	●	●	●	●	■	■	●	●	●	●	
4,216		19	55	22		-	-	-	-	-	-	-	●	-	-	-	
4,250			55	22		●	-	●	●	-	-	-	-	-	-	-	
4,300			58	24	31	●	●	●	●	●	●	●	●	●	●	●	
4,305		18	58	24		-	-	-	-	-	-	-	●	-	-	-	

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA CORTA / STUB LENGTH SERIES

Punte con attacco cilindrico in HSS, HSS-Co e metallo duro integrale

Twist drills with straight shank made of HSS, HSS-Co and solid carbide



Tipo / Type						N	NK	N	H	NS	VA	VA	STL	STL	STL	N	
Direzione di taglio Cutting direction																	
Materiale / Material						HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	K10/20	
Ø mm h8	Ø " "	Ø No. mm	L ₁ mm	L ₂ mm	L _{2mm} 6132	6156	6109	6159	6186	6246	6135	6135 TX	6131	6132	6132 TN	6149	
4,366	11/64		58	24		-	-	-	-	-	-	-	●	-	-	-	
4,394		17	58	24		■	-	-	-	-	-	-	●	-	-	-	
4,400			58	24	31	●	●	●	●	●	■	■	●	●	●	●	
4,496		16	58	24		-	-	-	-	-	-	-	●	-	-	-	
4,500			58	24	31	●	●	●	●	●	●	●	●	●	●	●	
4,572		15	58	24		-	-	-	-	-	-	-	●	-	-	-	
4,600			58	24	31	●	●	●	●	●	●	●	●	●	●	●	
4,623		14	58	24		-	-	-	-	-	-	-	●	-	-	-	
4,699		13	58	24		-	-	-	-	-	-	-	●	-	-	-	
4,700			58	24	31	●	●	●	●	●	●	●	●	●	●	●	
4,750			58	24		●	-	●	-	-	-	-	-	-	-	-	
4,763	3/16		62	26		-	-	-	-	-	-	-	●	-	-	-	
4,800			62	26	34	●	●	●	●	●	●	●	●	●	●	●	
4,801		12	62	26		-	-	-	-	-	-	-	●	-	-	-	
4,851		11	62	26		-	-	-	-	-	-	-	●	-	-	-	
4,900			62	26	34	●	●	●	●	●	-	■	●	●	●	●	
4,915		10	62	26		-	-	-	-	-	-	-	●	-	-	-	
4,978		9	62	26		-	-	-	-	-	-	-	●	-	-	-	
5,000			62	26	34	●	●	●	●	●	●	●	●	●	●	●	
5,055		8	62	26		-	-	-	-	-	-	-	●	-	-	-	
5,100			62	26	34	●	●	●	●	●	●	●	●	●	●	●	
5,105		7	62	26		-	-	-	-	-	-	-	●	-	-	-	
5,159	13/64		62	26		-	-	-	-	-	-	-	●	-	-	-	
5,182		6	62	26		-	-	-	-	-	-	-	●	-	-	-	
5,200			62	26	34	●	●	●	●	●	●	●	●	●	●	●	
5,220		5	62	26		-	-	-	-	-	-	-	●	-	-	-	
5,250			62	26		●	-	●	-	-	-	-	-	-	-	-	
5,300			62	26	34	●	●	●	●	●	■	■	●	●	●	●	
5,309		4	66	28		-	-	-	-	-	-	-	●	-	-	-	
5,400			66	28	36	●	●	●	●	●	●	●	●	●	●	●	
5,410		3	66	28		-	-	-	-	-	-	-	●	-	-	-	
5,500			66	28	36	●	●	●	●	●	■	■	●	●	●	●	
5,556	7/32		66	28		-	-	-	-	-	-	-	●	-	-	-	
5,600			66	28	36	●	●	●	●	●	●	●	●	●	●	●	
5,613		2	66	28		-	-	-	-	-	-	-	●	-	-	-	
5,700			66	28	36	●	●	●	●	●	●	●	●	●	●	●	
5,750			66	28		●	-	●	-	-	-	-	-	-	-	-	
5,791		1	66	28		-	-	-	-	-	-	-	●	-	-	-	
5,800			66	28	36	●	●	●	●	●	●	●	●	●	●	●	
5,900			66	28	36	●	-	●	●	●	●	●	●	●	●	●	

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA CORTA / STUB LENGTH SERIES

Punte con attacco cilindrico in HSS, HSS-Co e metallo duro integrale

Twist drills with straight shank made of HSS, HSS-Co and solid carbide



Tipo / Type						N	NK	N	H	NS	VA	VA	STL	STL	STL	N	
Direzione di taglio Cutting direction																	
Materiale/Material						HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	K10/20	
Ø mm h8	Ø " h8	Ø No. mm	L ₁ mm	L ₂ mm	L _{2mm} 6132	6156	6109	6159	6186	6246	6135	6135 TX	6131	6132	6132 TN	6149	
5,954	15/64		66	28		-	-	-	-	-	-	-	●	-	-	-	
6,000			66	28	36	●	●	●	●	●	●	●	●	●	●	●	
6,100			70	31	40	●	●	●	●	●	●	●	●	●	●	●	
6,200			70	31	40	●	●	●	●	●	●	●	●	●	●	●	
6,250			70	31		●	-	●	-	-	-	-	-	-	-	-	
6,300			70	31	40	●	●	●	●	●	●	●	●	●	●	●	
6,350	1/4		70	31	40	-	-	-	-	-	-	-	●	●	●	-	
6,400			70	31	40	●	●	●	●	●	●	●	●	●	●	●	
6,500			70	31	40	●	●	●	●	●	■	■	●	●	●	●	
6,600			70	31	40	●	■	●	●	●	●	●	●	●	●	●	
6,700			70	31	40	●	●	●	-	●	●	●	●	●	●	●	
6,746	17/64		74	34		-	-	-	-	-	-	-	●	-	-	-	
6,750			74	34		●	-	●	●	-	-	-	-	-	-	-	
6,800			74	34	44	●	●	●	●	●	■	■	●	●	●	●	
6,900			74	34	44	●	●	●	-	●	-	■	●	●	●	●	
7,000			74	34	44	●	●	●	●	●	●	●	●	●	●	●	
7,100			74	34	44	●	-	●	-	●	-	-	●	●	●	●	
7,144	9/32		74	34		-	-	-	-	-	-	-	●	-	-	-	
7,200			74	34	44	●	-	●	●	●	●	●	●	●	●	●	
7,250			74	34		●	-	●	●	-	-	-	-	-	-	-	
7,300			74	34	44	●	-	●	-	●	-	-	●	●	●	●	
7,400			74	34	44	●	-	●	-	●	-	-	●	●	●	●	
7,500			74	34	44	●	●	●	●	●	■	■	●	●	●	●	
7,541	19/64		79	37		-	-	-	-	-	-	-	●	-	-	-	
7,600			79	37	48	●	-	●	-	●	-	-	●	●	●	●	
7,700			79	37	48	●	-	●	-	●	●	●	●	●	●	●	
7,750			79	37		●	-	●	-	-	-	-	-	-	-	-	
7,800			79	37	48	●	-	●	-	●	-	-	●	●	●	●	
7,900			79	37	48	●	-	●	-	●	●	●	●	●	●	●	
7,938	5/16		79	37		-	-	-	-	-	-	-	●	-	-	-	
7,950			79	37	48	■	-	-	-	-	-	-	-	-	-	-	
8,000			79	37	48	●	●	●	●	●	●	●	●	●	●	●	
8,100			79	37	48	●	-	●	●	●	●	●	●	●	●	●	
8,200			79	37	48	●	-	●	●	●	●	●	●	●	●	●	
8,250			79	37		●	-	●	-	-	-	-	-	-	-	-	
8,300			79	37	48	●	-	●	-	●	●	●	●	●	●	●	
8,334	21/64		79	37		-	-	-	-	-	-	-	●	-	-	-	
8,400			79	37	48	●	-	●	●	●	■	■	●	●	●	●	
8,500			79	37	48	●	●	●	●	●	●	●	●	●	●	●	
8,600			84	40	52	●	-	●	-	●	●	●	●	●	●	●	
8,700			84	40	52	●	-	●	■	●	●	●	●	●	●	●	

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA CORTA / STUB LENGTH SERIES

Punte con attacco cilindrico in HSS, HSS-Co e metallo duro integrale

Twist drills with straight shank made of HSS, HSS-Co and solid carbide



Tipo / Type						N	NK	N	H	NS	VA	VA	STL	STL	STL	N	
Direzione di taglio Cutting direction																	
Materiale/Material						HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	K10/20	
Ø mm h8	Ø "	Ø No. mm	L ₁ mm	L ₂ mm	L _{2mm} 6132	6156	6109	6159	6186	6246	6135	6135 TX	6131	6132	6132 TN	6149	
8,733	11/32		84	40		-	-	-	-	-	-	-	●	-	-	-	
8,750			84	40		●	-	●	-	-	-	-	-	-	-	-	
8,800			84	40	52	●	-	●	-	●	●	●	●	●	●	●	
8,900			84	40	52	●	-	●	-	●	-	-	●	●	●	●	
9,000			84	40	52	●	●	●	●	●	■	■	●	●	●	●	
9,100			84	40	52	●	-	●	-	●	-	-	●	●	●	●	
9,129	23/64		84	40		-	-	-	-	-	-	-	●	-	-	-	
9,200			84	40	52	●	-	●	●	●	●	●	●	●	●	●	
9,250			84	40		●	-	●	-	-	-	-	-	-	-	-	
9,300			84	40	52	●	-	●	-	●	●	●	●	●	●	●	
9,400			84	40	52	●	-	●	-	●	-	-	●	●	●	●	
9,500			84	40	52	●	●	●	●	●	●	●	●	●	●	●	
9,525	3/8		89	43		-	-	-	-	-	-	-	●	-	-	-	
9,600			89	43	56	●	-	●	-	●	-	-	●	●	●	●	
9,700			89	43	56	●	-	●	-	●	-	-	●	●	●	●	
9,750			89	43		●	-	●	-	-	-	-	-	-	-	-	
9,800			89	43	56	●	-	●	●	●	●	●	●	●	●	●	
9,900			89	43	56	●	-	●	-	●	-	-	●	●	●	●	
9,921	25/64		89	43		-	-	-	-	-	-	-	●	-	-	-	
10,000			89	43	56	●	●	●	●	●	■	■	●	●	●	●	
10,100			89	43		●	-	●	-	-	-	-	-	-	-	-	
10,200			89	43	56	●	-	●	●	-	■	■	●	●	●	-	
10,250			89	43		●	-	●	-	-	-	-	-	-	-	-	
10,300			89	43		●	-	●	-	-	-	-	-	-	-	-	
10,320	13/32		89	43		-	-	-	-	-	-	-	●	-	-	-	
10,400			89	43		●	-	●	-	-	-	-	-	-	-	-	
10,500			89	43	56	●	-	●	●	●	■	■	●	●	●	-	
10,600			89	43		●	-	●	-	-	-	-	-	-	-	-	
10,700			95	47		●	-	●	●	-	-	-	-	-	-	-	
10,716	27/64		95	47		-	-	-	-	-	-	-	●	-	-	-	
10,750			95	47		●	-	●	-	-	-	-	-	-	-	-	
10,800			95	47	61	●	-	●	-	-	-	-	●	●	●	-	
10,900			95	47		●	-	●	-	-	-	-	-	-	-	-	
11,000			95	47	61	●	-	●	●	●	●	●	●	●	●	-	
11,100			95	47		●	-	●	-	-	-	-	-	-	-	-	
11,113	7/16		95	47		-	-	-	-	-	-	-	●	-	-	-	
11,200			95	47		●	-	●	-	-	-	-	●	-	-	-	
11,250			95	47		●	-	●	-	-	-	-	-	-	-	-	
11,300			95	47		●	-	●	-	-	-	-	-	-	-	-	
11,400			95	47		●	-	●	-	-	-	-	-	-	-	-	

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA CORTA / STUB LENGTH SERIES

Punte con attacco cilindrico in HSS, HSS-Co e metallo duro integrale

Twist drills with straight shank made of HSS, HSS-Co and solid carbide



Tipo / Type						N	NK	N	H	NS	VA	VA	STL	STL	STL	N	
Direzione di taglio Cutting direction																	
Materiale/Material						HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	K10/20	
Ø mm h8	Ø "	Ø No. mm	L ₁ mm	L ₂ mm	L _{2mm} 6132	6156	6109	6159	6186	6246	6135	6135 TX	6131	6132	6132 TN	6149	
11,500			95	47	61	●	-	●	●	●	●	●	●	●	●	-	
11,509	29/64		95	47		-	-	-	-	-	-	-	●	-	-	-	
11,600			95	47		●	-	●	-	-	-	-	-	-	-	-	
11,700			95	47		●	-	●	-	-	-	-	-	-	-	-	
11,750			95	47		●	-	●	-	-	-	-	-	-	-	-	
11,800			95	47		●	-	●	-	-	-	-	●	-	-	-	
11,900			102	51		●	-	●	-	-	-	-	-	-	-	-	
11,908	15/32		102	51		-	-	-	-	-	-	-	●	-	-	-	
12,000			102	51	66	●	-	●	●	●	●	●	●	●	●	-	
12,100			102	51		●	-	●	-	-	-	-	-	-	-	-	
12,200			102	51		●	-	●	-	-	-	-	-	-	-	-	
12,250			102	51		●	-	●	-	-	-	-	-	-	-	-	
12,300			102	51		●	-	●	■	-	-	-	-	-	-	-	
12,304	31/64		102	51		-	-	-	-	-	-	-	●	-	-	-	
12,400			102	51		●	-	●	-	-	-	-	-	-	-	-	
12,500			102	51	66	●	-	●	●	-	-	-	●	●	●	-	
12,600			102	51		●	-	●	-	-	-	-	-	-	-	-	
12,700			102	51	66	●	-	●	●	-	-	-	-	●	●	-	
12,700	1/2		102	51		-	-	-	-	-	-	-	●	-	-	-	
12,750			102	51		●	-	●	-	-	-	-	-	-	-	-	
12,800			102	51		●	-	●	-	-	-	-	●	-	-	-	
12,900			102	51		●	-	●	-	-	-	-	-	-	-	-	
13,000			102	51	66	●	-	●	●	-	-	-	●	●	●	-	
13,100			102	51		●	-	●	-	-	-	-	-	-	-	-	
13,200			102	51		●	-	●	-	-	-	-	-	-	-	-	
13,250			107	54		●	-	●	-	-	-	-	-	-	-	-	
13,300			107	54		●	-	●	-	-	-	-	●	-	-	-	
13,400			107	54		●	-	●	-	-	-	-	-	-	-	-	
13,500			107	54	70	●	-	●	●	-	-	-	●	●	●	-	
13,600			107	54		●	-	●	-	-	-	-	-	-	-	-	
13,700			107	54		●	-	●	-	-	-	-	-	-	-	-	
13,750			107	54		●	-	●	-	-	-	-	-	-	-	-	
13,800			107	54		●	-	●	-	-	-	-	-	-	-	-	
13,900			107	54		●	-	●	-	-	-	-	-	-	-	-	
14,000			107	54	70	●	-	●	●	-	-	-	●	●	●	-	
14,100			111	56		●	-	●	-	-	-	-	-	-	-	-	
14,200			111	56		●	-	●	-	-	-	-	-	-	-	-	
14,250			111	56		●	-	●	-	-	-	-	-	-	-	-	
14,300			111	56		●	-	●	-	-	-	-	-	-	-	-	
14,400			111	56		●	-	●	-	-	-	-	-	-	-	-	

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA CORTA / STUB LENGTH SERIES

Punte con attacco cilindrico in HSS, HSS-Co e metallo duro integrale

Twist drills with straight shank made of HSS, HSS-Co and solid carbide



Tipo / Type						N	NK	N	H	NS	VA	VA	STL	STL	STL	N	
Direzione di taglio Cutting direction																	
Materiale/Material						HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	K10/20	
Ø mm h8	Ø "	Ø No. mm	L ₁ mm	L ₂ mm	L ₂ mm 6132	6156	6109	6159	6186	6246	6135	6135 TX	6131	6132	6132 TN	6149	
14,500			111	56	73	●	-	●	●	-	-	-	●	●	●	-	
14,600			111	56		●	-	●	-	-	-	-	-	-	-	-	
14,700			111	56		●	-	●	-	-	-	-	-	-	-	-	
14,750			111	56		●	-	●	-	-	-	-	-	-	-	-	
14,800			111	56		●	-	●	-	-	-	-	-	-	-	-	
14,900			111	56		●	-	●	-	-	-	-	-	-	-	-	
15,000			111	56	73	●	-	●	●	-	-	-	●	●	●	-	
15,300			115	58		-	-	-	-	-	-	-	●	-	-	-	
15,500			115	58	75	●	-	●	-	-	-	-	●	●	●	-	
16,000			115	58	75	●	-	●	●	-	-	-	●	●	●	-	
16,500			115	58		●	-	●	-	-	-	-	●	-	-	-	
16,800			119	60		-	-	-	-	-	-	-	-	-	-	-	
16,900			119	60		-	-	-	-	-	-	-	-	-	-	-	
17,000			119	60	78	●	-	●	●	-	-	-	●	●	●	-	
17,500			123	62		●	-	●	-	-	-	-	●	-	-	-	
18,000			123	62	81	●	-	●	●	-	-	-	●	●	●	-	
18,500			127	64		●	-	●	-	-	-	-	●	-	-	-	
19,000			127	64	83	●	-	●	●	-	-	-	●	●	●	-	
19,500			131	66		●	-	●	-	-	-	-	●	-	-	-	
20,000			131	66	86	●	-	●	●	-	-	-	●	●	●	-	
20,500			136	68		●	-	●	-	-	-	-	-	-	-	-	
21,000			136	68		●	-	●	■	-	-	-	-	-	-	-	
21,500			141	70		●	-	●	-	-	-	-	-	-	-	-	
22,000			141	70		●	-	●	■	-	-	-	-	-	-	-	
22,500			146	72		●	-	●	-	-	-	-	-	-	-	-	
23,000			146	72		●	-	●	-	-	-	-	-	-	-	-	
23,500			146	72		●	-	●	-	-	-	-	-	-	-	-	
24,000			151	75		●	-	●	-	-	-	-	-	-	-	-	
24,500			151	75		●	-	●	-	-	-	-	-	-	-	-	
25,000			151	75		●	-	●	-	-	-	-	-	-	-	-	
25,500			156	78		●	-	●	-	-	-	-	-	-	-	-	
26,000			156	78		●	-	●	-	-	-	-	-	-	-	-	
26,500			156	78		●	-	-	-	-	-	-	-	-	-	-	
27,000			162	81		●	-	●	-	-	-	-	-	-	-	-	
27,500			162	81		●	-	-	-	-	-	-	-	-	-	-	
28,000			162	81		●	-	●	-	-	-	-	-	-	-	-	
28,500			168	84		●	-	-	-	-	-	-	-	-	-	-	
29,000			168	84		●	-	●	-	-	-	-	-	-	-	-	
29,500			168	84		●	-	-	-	-	-	-	-	-	-	-	
30,000			168	84		●	-	●	-	-	-	-	-	-	-	-	

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA CORTA / STUB LENGTH SERIES

Punte con attacco cilindrico in HSS, HSS-Co e metallo duro integrale

Twist drills with straight shank made of HSS, HSS-Co and solid carbide



Tpo / Type						N	NK	N	H	NS	VA	VA	STL	STL	STL	N	
Direzione di taglio / Cutting direction																	
Materiale / Material						HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	K10/20	
\varnothing mm h8	\varnothing "	\varnothing No. mm	L_1 mm	L_2 mm	L_2 mm 6132	6156	6109	6159	6186	6246	6135	6135 TX	6131	6132	6132 TN	6149	
31,000			174	87		●	-	●	-	-	-	-	-	-	-	-	
32,000			180	90		●	-	●	-	-	-	-	-	-	-	-	

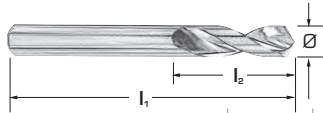
● Utensile disponibile a magazzino / Items available ex stock

ILIX NORM

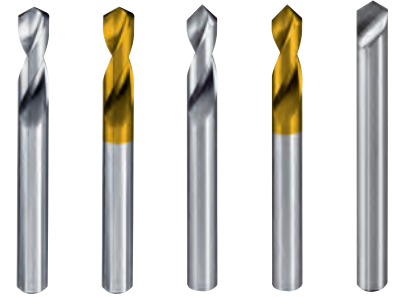


Punte a centrare per macchine a controllo numerico in HSS

NC – Spotting and chamfering drills with straight shank, made of HSS



Tipo / Type			120°	120° TN	90°	90° TN	120°
Direzione di taglio / Cutting direction							
Materiale / Material			HSS	HSS	HSS	HSS	HSS
Ø mm	l ₁ mm	l ₂ mm	6147	6147 TN	6148	6148 TN	6100
4,0	55	18	●	●	●	●	–
5,0	62	21	●	●	●	●	–
6,0	66	22	●	●	●	●	●
8,0	79	30	●	●	●	●	●
10,0	89	34	●	●	●	●	●
12,0	102	41	●	●	●	●	●
16,0	115	46	●	●	●	●	●
20,0	131	53	●	●	●	●	●



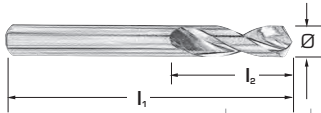
Tipo / Type			120°	120° TN	90°	90° TN	120°
Direzione di taglio / Cutting direction							
Materiale / Material			HSS	HSS	HSS	HSS	HSS
Ø mm	l ₁ mm	l ₂ mm	6147	6147 TN	6148	6148 TN	6100

● Utensile disponibile a magazzino / Items available ex stock

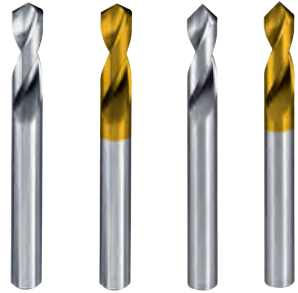


Punte a centrare per macchine a controllo numerico in metallo duro integrale

NC – Spotting and chamfering drills
with straight shank, made of solid carbide



Tipo / Type			120°	120° TN	90°	90° TN
Direzione di taglio / Cutting direction						
Materiale / Material			K10/20	K10/20	K10/20	K10/20
Ø mm	L ₁ mm	L ₂ mm	6102	6102 TN	6103	6103 TN
4,0	40	10	●	●	●	●
5,0	50	13	●	●	●	●
6,0	50	16	●	●	●	●
8,0	60	20	●	●	●	●
10,0	70	22	●	●	●	●
12,0	70	22	●	●	●	●
14,0	75	25	●	●	●	●
16,0	75	25	●	●	●	●
20,0	95	28	●	●	●	●



Tipo / Type			120°	120° TN	90°	90° TN
Direzione di taglio / Cutting direction						
Materiale / Material			K10/20	K10/20	K10/20	K10/20
Ø mm	L ₁ mm	L ₂ mm	6102	6102 TN	6103	6103 TN

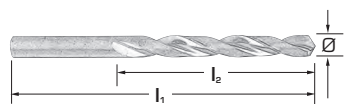
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio / Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
0,200			19	2,5	●	-	-	-	-	-	-	-	●	-	-	-
0,210			19	2,5	●	-	-	-	-	-	-	-	-	-	-	-
0,220			19	2,5	●	-	-	-	-	-	-	-	-	-	-	-
0,230			19	2,5	●	-	-	-	-	-	-	-	-	-	-	-
0,240			19	2,5	●	-	-	-	-	-	-	-	-	-	-	-
0,250			19	3,0	●	-	-	-	-	-	-	-	●	-	-	-
0,260			19	3,0	●	-	-	-	-	-	-	-	-	-	-	-
0,270			19	3,0	●	-	-	-	-	-	-	-	-	-	-	-
0,280			19	3,0	●	-	-	-	-	-	-	-	-	-	-	-
0,290			19	3,0	●	-	-	-	-	-	-	-	-	-	-	-
0,300			19	3,0	●	-	-	-	-	-	-	-	●	-	-	-
0,305	83		19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,310			19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,318	82		19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,320			19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,330			19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,330	81		19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,340			19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,343	80		19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,350			19	4,0	●	-	-	●	-	-	-	-	●	-	-	-
0,360			19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,368	79		19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,370			19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,380			19	4,0	●	-	-	-	-	-	-	-	-	-	-	-
0,390			20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,396	1/64		20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,400			20	5,0	●	-	-	●	-	-	-	-	●	●	-	-
0,406	78		20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,410			20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,420			20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,430			20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,440			20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,450			20	5,0	●	-	-	●	-	-	-	-	●	-	-	-
0,457	77		20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,460			20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,470			20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,480			20	5,0	●	-	-	-	-	-	-	-	-	-	-	-
0,490			22	6,0	●	-	-	-	-	-	-	-	-	-	-	-
0,500			22	6,0	●	●	-	●	●	-	-	-	●	■	●	-
0,508	76		22	6,0	●	-	-	-	-	-	-	-	-	-	-	-

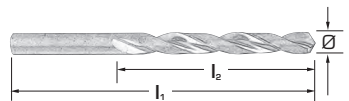
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank
made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø "	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
0,510			22	6,0	●	-	-	-	-	-	-	-	-	-	-	-
0,520			22	6,0	●	-	-	-	-	-	-	-	-	-	-	-
0,530			22	6,0	●	-	-	-	-	-	-	-	-	-	-	-
0,533		75	24	7,0	●	-	-	-	-	-	-	-	-	-	-	-
0,540			24	7,0	●	-	-	-	-	-	-	-	-	-	-	-
0,550			24	7,0	●	-	-	●	●	-	-	-	●	-	-	-
0,560			24	7,0	●	-	-	-	-	-	-	-	-	-	-	-
0,570			24	7,0	●	-	-	-	-	-	-	-	-	-	-	-
0,572		74	24	7,0	●	-	-	-	-	-	-	-	-	-	-	-
0,580			24	7,0	●	-	-	-	-	-	-	-	-	-	-	-
0,590			24	7,0	●	-	-	-	-	-	-	-	-	-	-	-
0,600			24	7,0	●	●	-	●	●	-	-	-	●	■	●	-
0,610			26	8,0	●	-	-	-	-	-	-	-	-	-	-	-
0,610		73	26	8,0	●	-	-	-	-	-	-	-	-	-	-	-
0,620			26	8,0	●	-	-	-	-	-	-	-	-	-	-	-
0,630			26	8,0	●	-	-	-	-	-	-	-	-	-	-	-
0,635		72	26	8,0	●	-	-	-	-	-	-	-	-	-	-	-
0,640			26	8,0	●	-	-	-	-	-	-	-	-	-	-	-
0,650			26	8,0	●	-	-	●	●	-	-	-	●	-	-	-
0,660			26	8,0	●	-	-	-	-	-	-	-	-	-	-	-
0,660		71	26	8,0	●	-	-	-	-	-	-	-	-	-	-	-
0,670			26	8,0	●	-	-	-	-	-	-	-	-	-	-	-
0,680			28	9,0	●	-	-	-	-	-	-	-	-	-	-	-
0,690			28	9,0	●	-	-	-	-	-	-	-	-	-	-	-
0,700			28	9,0	●	●	-	●	●	-	-	-	●	■	■	-
0,710			28	9,0	●	-	-	-	-	-	-	-	-	-	-	-
0,711		70	28	9,0	●	-	-	-	-	-	-	-	-	-	-	-
0,720			28	9,0	●	-	-	-	-	-	-	-	-	-	-	-
0,730			28	9,0	●	-	-	-	-	-	-	-	-	-	-	-
0,740			28	9,0	●	-	-	-	-	-	-	-	-	-	-	-
0,742		69	28	9,0	●	-	-	-	-	-	-	-	-	-	-	-
0,750			28	9,0	●	-	-	●	●	-	-	-	●	-	-	-
0,760			30	10,0	●	-	-	-	-	-	-	-	-	-	-	-
0,770			30	10,0	●	-	-	-	-	-	-	-	-	-	-	-
0,780			30	10,0	●	-	-	-	-	-	-	-	-	-	-	-
0,787		68	30	10,0	●	-	-	-	-	-	-	-	-	-	-	-
0,790			30	10,0	●	-	-	-	-	-	-	-	-	-	-	-
0,795		1/32	30	10,0	●	-	-	-	-	-	-	-	-	-	-	-
0,800			30	10,0	●	●	-	●	●	-	-	-	●	■	●	-
0,810			30	10,0	●	-	-	-	-	-	-	-	-	-	-	-

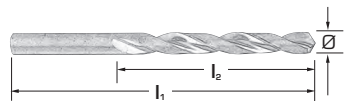
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø" No.	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
0,813	67	30	10,0		●	-	-	-	-	-	-	-	-	-	-	-
0,820		30	10,0		●	-	-	-	-	-	-	-	-	-	-	-
0,830		30	10,0		●	-	-	-	-	-	-	-	-	-	-	-
0,838	66	30	10,0		●	-	-	-	-	-	-	-	-	-	-	-
0,840		30	10,0		●	-	-	-	-	-	-	-	-	-	-	-
0,850		30	10,0		●	-	-	●	●	-	-	-	●	-	-	-
0,860		32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,870		32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,880		32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,889	65	32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,890		32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,900		32	11,0		●	●	-	●	●	-	-	-	●	■	●	-
0,910		32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,914	64	32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,920		32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,930		32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,940		32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,940	63	32	11,0		●	-	-	-	-	-	-	-	-	-	-	-
0,950		32	11,0		●	-	-	●	●	-	-	-	●	-	-	-
0,960		34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
0,965	62	34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
0,970		34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
0,980		34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
0,990		34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
0,991	61	34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
1,000		34	12,0		●	●	-	●	●	●	●	●	●	●	●	-
1,010		34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
1,016	60	34	12,0		●	-	-	-	-	●	●	●	-	-	-	-
1,020		34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
1,030		34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
1,040		34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
1,041	59	34	12,0		●	-	-	-	-	●	●	●	-	-	-	-
1,050		34	12,0		●	-	-	●	●	-	-	-	●	■	-	-
1,060		34	12,0		●	-	-	-	-	-	-	-	-	-	-	-
1,067	58	36	14,0		●	-	-	-	-	●	●	●	-	-	-	-
1,070		36	14,0		●	-	-	-	-	-	-	-	-	-	-	-
1,080		36	14,0		●	-	-	-	-	-	-	-	-	-	-	-
1,090		36	14,0		●	-	-	-	-	-	-	-	-	-	-	-
1,092	57	36	14,0		●	-	-	-	-	●	●	●	-	-	-	-
1,100		36	14,0		●	●	-	●	●	●	●	●	●	■	●	-

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø " No. mm	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
1,110			36	14,0	●	-	-	-	-	-	-	-	-	-	-	-
1,120			36	14,0	●	-	-	-	-	-	-	-	-	-	-	-
1,130			36	14,0	●	-	-	-	-	-	-	-	-	-	-	-
1,140			36	14,0	●	-	-	-	-	-	-	-	-	-	-	-
1,150			36	14,0	●	-	-	●	●	-	-	-	●	●	-	-
1,160			36	14,0	●	-	-	-	-	-	-	-	-	-	-	-
1,170			36	14,0	●	-	-	-	-	-	-	-	-	-	-	-
1,180			36	14,0	●	-	-	-	-	-	-	-	-	-	-	-
1,181		56	38	16,0	●	-	-	-	-	●	●	●	-	-	-	-
1,190			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,191	3/64		38	16,0	●	-	-	-	-	●	●	●	-	-	-	-
1,200			38	16,0	●	●	-	●	●	●	●	●	●	●	●	-
1,210			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,220			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,230			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,240			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,250			38	16,0	●	-	-	●	●	-	-	-	●	■	●	-
1,260			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,270			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,280			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,290			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,300			38	16,0	●	●	-	●	●	●	●	●	●	■	●	-
1,310			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,320			38	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,321		55	40	18,0	●	-	-	-	-	●	●	●	-	-	-	-
1,330			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,340			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,350			40	18,0	●	-	-	●	●	-	-	-	●	■	-	-
1,360			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,370			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,380			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,390			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,397		54	40	18,0	●	-	-	-	-	●	●	●	-	-	-	-
1,400			40	18,0	●	●	-	●	●	●	●	●	●	●	●	-
1,410			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,420			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,430			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,440			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,450			40	18,0	●	-	-	●	●	-	-	-	●	■	-	-
1,460			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-

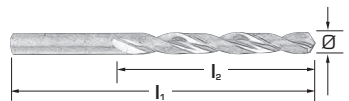
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø "	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
1,470			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,480			40	18,0	●	-	-	-	-	-	-	-	-	-	-	-
1,490			40	16,0	●	-	-	-	-	-	-	-	-	-	-	-
1,500			40	18,0	●	●	-	●	●	●	●	●	●	■	■	●
1,510			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,511	53		43	20,0	●	-	-	-	-	●	●	●	-	-	-	-
1,520			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,530			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,540			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,550			43	20,0	●	-	-	●	●	-	-	-	●	●	-	-
1,560			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,570			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,580			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,588	1/16		43	20,0	●	-	-	-	-	●	●	●	-	-	-	●
1,590			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,600			43	20,0	●	●	-	●	●	●	●	●	●	■	●	●
1,610			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,613	52		43	20,0	●	-	-	-	-	●	●	●	-	-	-	●
1,620			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,630			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,640			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,650			43	20,0	●	-	-	●	●	-	-	-	●	●	-	-
1,660			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,670			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,680			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,690			43	20,0	●	-	-	-	-	-	-	-	-	-	-	-
1,700			43	20,0	●	●	-	●	●	●	●	●	●	●	●	●
1,702	51		46	22,0	●	-	-	-	-	●	●	●	-	-	-	●
1,710			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,720			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,730			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,740			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,750			46	22,0	●	-	-	●	●	-	-	-	●	■	■	-
1,760			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,770			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,778	50		46	22,0	●	-	-	-	-	●	●	●	-	-	-	●
1,780			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,790			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,800			46	22,0	●	●	-	●	●	●	●	●	●	■	●	●
1,810			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-

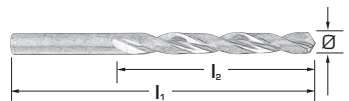
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø "	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
1,820			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,830			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,840			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,850			46	22,0	●	-	-	●	●	-	-	-	●	●	-	-
1,854		49	46	22,0	●	-	-	-	-	●	●	●	-	-	-	●
1,860			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,870			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,880			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,890			46	22,0	●	-	-	-	-	-	-	-	-	-	-	-
1,900			46	22,0	●	●	-	●	●	●	●	●	●	●	●	●
1,910			49	24,0	●	-	-	-	-	-	-	-	-	-	-	-
1,920			49	24,0	●	-	-	-	-	-	-	-	-	-	-	-
1,930			49	24,0	●	-	-	-	-	-	-	-	-	-	-	-
1,930		48	49	24,0	●	-	-	-	-	●	●	●	-	-	-	●
1,940			49	24,0	●	-	-	-	-	-	-	-	-	-	-	-
1,950			49	24,0	●	-	-	●	●	-	-	-	●	●	-	-
1,960			49	24,0	●	-	-	-	-	-	-	-	-	-	-	-
1,970			49	24,0	●	-	-	-	-	-	-	-	-	-	-	-
1,980			49	24,0	●	-	-	-	-	-	-	-	-	-	-	-
1,984		5/64	49	24,0	●	-	-	-	-	●	●	●	-	-	-	●
1,990			49	24,0	●	-	-	-	-	-	-	-	-	-	-	-
1,994		47	49	24,0	●	-	-	-	-	●	●	●	-	-	-	●
2,000			49	24,0	●	●	-	●	●	●	●	●	●	●	●	●
2,050			49	24,0	●	-	-	●	●	-	-	-	●	●	-	-
2,057		46	49	24,0	●	-	-	-	-	●	●	●	-	-	-	●
2,083		45	49	24,0	●	-	-	-	-	●	●	●	-	-	-	●
2,100			49	24,0	●	●	-	●	●	●	●	●	●	■	●	●
2,150			53	27,0	●	-	-	●	●	-	-	-	●	■	-	-
2,184		44	53	27,0	●	-	-	-	-	●	●	●	-	-	-	●
2,200			53	27,0	●	●	-	●	●	●	●	●	●	■	●	●
2,250			53	27,0	●	-	-	●	●	-	-	-	●	■	●	-
2,261		43	53	27,0	●	-	-	-	-	●	●	●	-	-	-	●
2,300			53	27,0	●	●	-	●	●	●	●	●	●	■	●	●
2,350			53	27,0	●	-	-	●	●	-	-	-	●	●	-	-
2,375		42	57	30,0	●	-	-	-	-	●	●	●	-	-	-	●
2,381		3/32	57	30,0	●	-	-	-	-	●	●	●	-	-	-	●
2,400			57	30,0	●	●	-	●	●	●	●	●	●	■	●	●
2,438		41	57	30,0	●	-	-	-	-	●	●	●	-	-	-	●
2,450			57	30,0	●	-	-	●	●	-	-	-	●	■	-	-
2,489		40	57	30,0	●	-	-	-	-	●	●	●	-	-	-	●

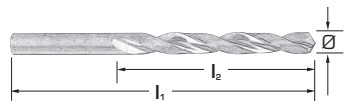
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
2,500			57	30,0	●	●	-	●	●	●	●	●	●	●	●	●
2,527	39		57	30,0	●	-	-	-	-	●	●	●	-	-	-	●
2,550			57	30,0	●	-	-	●	●	-	-	-	●	■	-	-
2,578	38		57	30,0	●	-	-	-	-	●	●	●	-	-	-	●
2,600			57	30,0	●	●	-	●	●	●	●	●	●	■	●	●
2,642	37		57	30,0	●	-	-	-	-	●	●	●	-	-	-	●
2,650			57	30,0	●	-	-	●	●	-	-	-	●	■	-	-
2,700			61	33,0	●	●	-	●	●	●	●	●	●	■	●	●
2,705	36		61	33,0	●	-	-	-	-	●	●	●	-	-	-	●
2,750			61	33,0	●	-	-	●	●	-	-	-	●	●	●	-
2,779	7/64		61	33,0	●	-	-	-	-	●	●	●	-	-	-	●
2,794	35		61	33,0	●	-	-	-	-	●	●	●	-	-	-	●
2,800			61	33,0	●	●	-	●	●	●	●	●	●	●	●	●
2,819	34		61	33,0	●	-	-	-	-	●	●	●	-	-	-	●
2,850			61	33,0	●	-	-	●	●	-	-	-	●	●	-	-
2,870	33		61	33,0	●	-	-	-	-	●	●	●	-	-	-	●
2,900			61	33,0	●	●	-	●	●	●	●	●	●	■	●	●
2,946	32		61	33,0	●	-	-	-	-	●	●	●	-	-	-	●
2,950			61	33,0	●	-	-	●	●	-	-	-	●	●	-	-
3,000			61	33,0	●	●	●	●	●	●	●	●	●	●	●	●
3,048	31		65	36,0	●	-	-	-	-	●	●	●	-	-	-	●
3,050			65	36,0	●	-	-	●	-	-	-	-	●	●	-	-
3,100			65	36,0	●	●	-	●	●	●	●	●	●	■	●	●
3,150			65	36,0	●	-	-	●	-	-	-	-	●	■	-	-
3,175	1/8		65	36,0	●	-	-	-	-	●	●	●	-	-	-	●
3,200			65	36,0	●	●	●	●	●	●	●	●	●	●	■	●
3,250			65	36,0	●	-	-	●	●	-	-	-	●	●	-	-
3,264	30		65	36,0	●	-	-	-	-	●	●	●	-	-	-	●
3,300			65	36,0	●	●	-	●	●	●	●	●	●	●	■	●
3,350			65	36,0	●	-	-	●	-	-	-	-	●	■	-	-
3,400			70	39,0	●	●	-	●	●	●	●	●	●	■	●	●
3,450			70	39,0	●	-	-	●	-	-	-	-	●	-	-	-
3,454	29		70	39,0	●	-	-	-	-	●	●	●	-	-	-	●
3,500			70	39,0	●	●	●	●	●	●	●	●	●	●	●	●
3,550			70	39,0	●	-	-	●	-	-	-	-	●	■	-	-
3,569	28		70	39,0	●	-	-	-	-	●	-	●	-	-	-	●
3,571	9/64		70	39,0	●	-	-	-	-	●	●	●	-	-	-	●
3,600			70	39,0	●	●	-	●	●	●	●	●	●	■	●	●
3,650			70	39,0	●	-	-	●	●	-	-	-	●	●	-	-
3,658	27		70	39,0	●	-	-	-	-	●	●	●	-	-	-	●

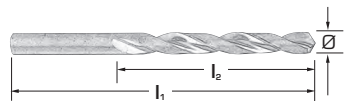
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale/Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
3,700			70	39,0	●	●	-	●	●	●	●	●	●	■	●	●
3,734	26		70	39,0	●	-	-	-	-	●	●	●	-	-	-	●
3,750			70	39,0	●	-	-	●	●	-	-	-	●	●	-	-
3,797	25		75	43,0	●	-	-	-	-	●	●	●	-	-	-	●
3,800			75	43,0	●	●	●	●	●	●	●	●	●	■	●	●
3,850			75	43,0	●	-	-	●	-	-	-	-	●	■	-	-
3,861	24		75	43,0	●	-	-	-	-	●	●	●	-	-	-	●
3,900			75	43,0	●	●	-	●	●	●	●	●	●	■	●	●
3,912	23		75	43,0	●	-	-	-	-	●	-	-	-	-	-	●
3,950			75	43,0	●	-	-	●	-	-	-	-	●	●	-	-
3,970	5/32		75	43,0	●	-	-	-	-	●	●	●	-	-	-	●
3,988	22		75	43,0	●	-	-	-	-	●	●	●	-	-	-	●
4,000			75	43,0	●	●	●	●	●	●	●	●	●	●	■	●
4,039	21		75	43,0	●	-	-	-	-	●	●	●	-	-	-	●
4,050			75	43,0	●	-	-	-	-	-	-	-	●	-	-	-
4,089	20		75	43,0	●	-	-	-	-	●	●	●	-	-	-	●
4,100			75	43,0	●	-	-	●	●	●	●	●	●	■	●	●
4,150			75	43,0	●	-	-	-	-	-	-	-	●	-	-	-
4,200			75	43,0	●	●	●	●	●	●	●	●	●	■	●	●
4,216	19		75	43,0	●	-	-	-	-	●	●	●	-	-	-	●
4,250			75	43,0	●	-	-	●	●	-	-	-	●	■	-	-
4,300			80	47,0	●	●	-	●	●	●	●	●	●	■	●	●
4,305	18		80	47,0	●	-	-	-	-	●	●	●	-	-	-	-
4,350			80	47,0	●	-	-	-	-	-	-	-	●	-	-	-
4,366	11/64		80	47,0	●	-	-	-	-	●	●	●	-	-	-	■
4,394	17		80	47,0	●	-	-	-	-	●	●	●	-	-	-	-
4,400			80	47,0	●	●	-	●	●	●	●	●	●	■	●	●
4,450			80	47,0	●	-	-	-	-	-	-	-	●	-	-	-
4,496	16		80	47,0	●	-	-	-	-	●	●	●	-	-	-	-
4,500			80	47,0	●	●	●	●	●	●	●	●	●	■	●	●
4,550			80	47,0	●	-	-	-	-	-	-	-	-	■	-	-
4,572	15		80	47,0	●	-	-	-	-	●	●	●	-	-	-	●
4,600			80	47,0	●	●	-	●	●	●	●	●	●	●	●	●
4,623	14		80	47,0	●	-	-	-	-	●	●	●	-	-	-	●
4,650			80	47,0	●	-	-	-	-	-	-	-	●	-	-	-
4,699	13		80	47,0	●	-	-	-	-	●	●	●	-	-	-	●
4,700			80	47,0	●	●	-	●	●	●	●	●	●	■	●	●
4,750			80	47,0	●	-	-	●	●	-	-	-	●	●	-	-
4,763	3/16		86	52,0	●	-	-	-	-	●	●	●	-	-	-	●
4,800			86	52,0	●	●	●	●	●	●	●	●	●	■	●	●

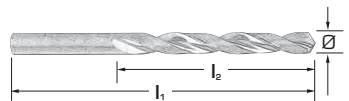
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte/discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL	
Direzione di taglio Cutting direction																	
Materiale/Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209	
4,801		12	86	52,0	●	-	-	-	-	●	●	●	-	-	-	-	
4,850			86	52,0	●	-	-	-	-	-	-	-	●	-	-	-	
4,851		11	86	52,0	●	-	-	-	-	●	●	●	-	-	-	-	
4,900			86	52,0	●	●	-	●	●	●	●	●	●	■	●	●	
4,915		10	86	52,0	●	-	-	-	-	●	●	●	-	-	-	●	
4,950			86	52,0	●	-	-	-	-	-	-	-	●	-	-	-	
4,978		9	86	52,0	●	-	-	-	-	●	●	●	-	-	-	-	
5,000			86	52,0	●	●	●	●	●	●	●	●	●	●	●	●	
5,050			86	52,0	●	-	-	-	-	-	-	-	-	-	-	-	
5,055		8	86	52,0	●	-	-	-	-	●	●	●	-	-	-	●	
5,100			86	52,0	●	●	-	●	●	●	●	●	●	■	-	●	
5,105		7	86	52,0	●	-	-	-	-	●	●	●	-	-	-	-	
5,150			86	52,0	●	-	-	-	-	-	-	-	-	-	-	-	
5,159	13/64		86	52,0	●	-	-	-	-	●	●	●	-	-	-	●	
5,182		6	86	52,0	●	-	-	-	-	●	●	●	-	-	-	-	
5,200			86	52,0	●	●	●	●	●	●	●	●	●	●	-	●	
5,220		5	86	52,0	●	-	-	-	-	●	●	●	-	-	-	-	
5,250			86	52,0	●	-	-	●	●	-	-	-	●	■	-	-	
5,300			86	52,0	●	●	-	●	●	●	●	●	●	■	-	●	
5,309		4	93	57,0	●	-	-	-	-	●	●	●	-	-	-	-	
5,350			93	57,0	●	-	-	-	-	-	-	-	-	■	-	-	
5,400			93	57,0	●	●	-	●	●	●	●	●	●	■	-	●	
5,410		3	93	57,0	●	-	-	-	-	●	●	●	-	-	-	-	
5,450			93	57,0	●	-	-	-	-	-	-	-	-	■	-	-	
5,500			93	57,0	●	●	●	●	●	●	●	●	●	■	●	●	
5,550			93	57,0	●	-	-	-	-	-	-	-	-	■	-	-	
5,558	7/32		93	57,0	●	-	-	-	-	●	●	●	-	-	-	●	
5,600			93	57,0	●	●	-	●	●	●	●	●	●	■	-	●	
5,613		2	93	57,0	●	-	-	-	-	●	●	●	-	-	-	●	
5,650			93	57,0	●	-	-	-	-	-	-	-	-	■	-	-	
5,700			93	57,0	●	●	-	●	●	●	●	●	●	●	-	●	
5,750			93	57,0	●	-	-	●	●	-	-	-	●	●	-	-	
5,791		1	93	57,0	●	-	-	-	-	●	●	●	-	-	-	-	
5,800			93	57,0	●	●	●	●	●	●	●	●	●	●	-	●	
5,850			93	57,0	●	-	-	-	-	-	-	-	-	-	-	-	
5,900			93	57,0	●	●	-	●	●	●	●	●	●	●	-	●	
5,944	A		93	57,0	●	-	-	-	-	●	●	●	-	-	-	-	
5,950			93	57,0	●	-	-	-	-	-	-	-	-	-	-	-	
5,954	15/64		93	57,0	●	-	-	-	-	●	●	●	-	-	-	●	
6,000			93	57,0	●	●	●	●	●	●	●	●	●	■	●	●	

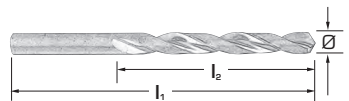
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte/discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale/Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø " No. mm	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
6,045	B	101	63,0		●	-	-	-	-	●	●	●	-	-	-	-
6,050		101	63,0		●	-	-	-	-	-	-	-	-	-	-	-
6,100		101	63,0		●	●	-	●	●	●	●	●	●	■	-	●
6,147	C	101	63,0		●	-	-	-	-	●	●	●	-	-	-	-
6,150		101	63,0		●	-	-	-	-	-	-	-	-	-	-	-
6,200		101	63,0		●	●	●	●	●	●	●	●	●	■	-	●
6,248	D	101	63,0		●	-	-	-	-	●	●	●	-	-	-	-
6,250		101	63,0		●	-	-	●	●	-	-	-	●	●	-	-
6,300		101	63,0		●	●	-	●	●	●	●	●	●	●	-	●
6,350	E	101	63,0		●	-	-	-	-	●	●	●	-	-	-	●
6,350	1/4	101	63,0		●	-	-	-	-	-	-	-	-	-	-	-
6,400		101	63,0		●	●	-	●	●	●	●	●	●	●	-	●
6,450		101	63,0		●	-	-	-	-	-	-	-	-	-	-	-
6,500		101	63,0		●	●	●	●	●	●	●	●	●	●	●	●
6,528	F	101	63,0		●	-	-	-	-	●	●	●	-	-	-	-
6,550		101	63,0		●	-	-	-	-	-	-	-	-	-	-	-
6,600		101	63,0		●	●	-	●	●	●	●	●	●	●	-	●
6,629	G	101	63,0		●	-	-	-	-	●	●	●	-	-	-	-
6,650		101	63,0		●	-	-	-	-	-	-	-	-	-	-	-
6,700		101	63,0		●	●	-	●	●	●	●	●	●	●	-	●
6,746	17/64	109	69,0		●	-	-	-	-	●	●	●	-	-	-	-
6,750		109	69,0		●	-	-	●	●	-	-	-	●	●	-	-
6,756	H	109	69,0		●	-	-	-	-	●	●	●	-	-	-	-
6,800		109	69,0		●	●	●	●	●	●	●	●	●	■	-	●
6,850		109	69,0		●	-	-	-	-	-	-	-	-	-	-	-
6,900		109	69,0		●	●	-	●	●	●	●	●	●	●	-	●
6,909	I	109	69,0		●	-	-	-	-	●	●	●	-	-	-	-
6,950		109	69,0		●	-	-	-	-	-	-	-	-	-	-	-
7,000		109	69,0		●	●	●	●	●	●	●	●	●	●	■	●
7,036	J	109	69,0		●	-	-	-	-	●	●	●	-	-	-	-
7,050		109	69,0		●	-	-	-	-	-	-	-	-	-	-	-
7,100		109	69,0		●	●	-	●	●	●	●	●	●	■	-	●
7,137	K	109	69,0		●	-	-	-	-	●	●	●	-	-	-	-
7,145	9/32	109	69,0		●	-	-	-	-	●	●	●	-	-	-	●
7,150		109	69,0		●	-	-	-	-	-	-	-	-	-	-	-
7,200		109	69,0		●	●	-	●	●	●	●	●	●	●	-	●
7,250		109	69,0		●	-	-	●	●	-	-	-	●	-	-	-
7,300		109	69,0		●	●	-	●	●	●	●	●	●	●	-	●
7,350		109	69,0		●	-	-	-	-	-	-	-	-	-	-	-
7,366	L	109	69,0		●	-	-	-	-	●	●	●	-	-	-	-

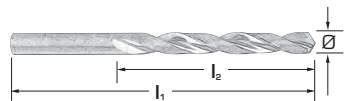
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
7,400			109	69,0	●	●	-	●	●	●	●	●	●	●	-	●
7,450			109	69,0	●	-	-	-	-	-	-	-	-	-	-	-
7,493		M	109	69,0	●	-	-	-	-	●	●	●	-	-	-	-
7,500			109	69,0	●	●	●	●	●	●	●	●	●	●	●	●
7,541		19/64	117	75,0	●	-	-	-	-	●	●	●	-	-	-	-
7,550			117	75,0	●	-	-	-	-	-	-	-	-	-	-	-
7,600			117	75,0	●	●	-	●	●	●	●	●	●	-	-	●
7,650			117	75,0	●	-	-	-	-	-	-	-	-	-	-	-
7,671		N	117	75,0	●	-	-	-	-	●	●	●	-	-	-	-
7,700			117	75,0	●	●	-	●	●	●	●	●	●	-	-	●
7,750			117	75,0	●	-	-	●	●	-	-	-	●	-	-	-
7,800			117	75,0	●	●	-	●	●	●	●	●	●	-	-	●
7,850			117	75,0	●	●	-	-	-	-	-	-	-	-	-	-
7,900			117	75,0	●	●	-	●	●	●	●	●	●	-	-	●
7,938		5/16	117	75,0	●	-	-	-	-	●	●	●	-	-	-	-
7,950			117	75,0	●	-	-	-	-	-	-	-	-	-	-	-
8,000			117	75,0	●	●	●	●	●	●	●	●	●	■	●	●
8,026		O	117	75,0	●	-	-	-	-	●	●	●	-	-	-	-
8,050			117	75,0	●	-	-	-	-	-	-	-	-	-	-	-
8,100			117	75,0	●	●	-	●	●	●	●	●	●	-	-	●
8,150			117	75,0	●	-	-	-	-	-	-	-	-	-	-	-
8,200			117	75,0	●	●	-	●	●	●	●	●	●	-	-	●
8,204		P	117	75,0	●	-	-	-	-	●	●	●	-	-	-	-
8,250			117	75,0	●	-	-	●	●	-	-	-	●	-	-	-
8,300			117	75,0	●	●	-	●	●	●	●	●	●	-	-	●
8,334		21/64	117	75,0	●	-	-	-	-	●	●	●	-	-	-	-
8,350			117	75,0	●	-	-	-	-	-	-	-	-	-	-	-
8,400			117	75,0	●	●	-	●	●	●	●	●	●	-	-	●
8,433		Q	117	75,0	●	-	-	-	-	●	●	●	-	-	-	-
8,450			117	75,0	●	●	-	-	-	-	-	-	-	-	-	-
8,500			117	75,0	●	-	●	●	●	●	●	●	●	●	●	●
8,550			125	81,0	●	-	-	-	-	-	-	-	-	-	-	-
8,600			125	81,0	●	●	-	●	●	●	●	●	●	-	-	●
8,611		R	125	81,0	●	-	-	-	-	●	●	●	-	-	-	-
8,650			125	81,0	●	-	-	-	-	-	-	-	-	-	-	-
8,700			125	81,0	●	●	-	●	●	●	●	●	●	-	-	●
8,731		11/32	125	81,0	●	-	-	-	-	●	●	●	-	-	-	●
8,750			125	81,0	●	-	-	●	●	-	-	-	●	-	-	-
8,800			125	81,0	●	●	-	●	●	●	●	●	●	-	-	●
8,839		S	125	81,0	●	-	-	-	-	●	●	●	-	-	-	-

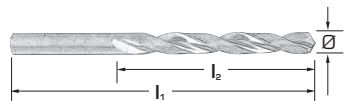
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
8,850			125	81,0	●	-	-	-	-	-	-	-	-	-	-	-
8,900			125	81,0	●	●	-	●	●	●	●	●	●	-	-	●
8,950			125	81,0	●	-	-	-	-	-	-	-	-	-	-	-
9,000			125	81,0	●	●	●	●	●	●	●	●	●	■	●	●
9,050			125	81,0	●	-	-	-	-	-	-	-	-	-	-	-
9,093	T		125	81,0	●	-	-	-	-	●	●	●	-	-	-	-
9,100			125	81,0	●	●	-	●	●	●	●	●	●	-	-	●
9,129	23/64		125	81,0	●	-	-	-	-	●	●	●	-	-	-	-
9,150			125	81,0	●	-	-	-	-	-	-	-	-	-	-	-
9,200			125	81,0	●	●	-	●	●	●	●	●	●	-	-	●
9,250			125	81,0	●	-	-	●	●	-	-	-	●	-	-	-
9,300			125	81,0	●	●	-	●	●	●	●	●	●	-	-	●
9,347	U		125	81,0	●	-	-	-	-	●	●	●	-	-	-	-
9,350			125	81,0	●	-	-	-	-	-	-	-	-	-	-	-
9,400			125	81,0	●	●	-	●	●	●	●	●	●	-	-	●
9,450			125	81,0	●	-	-	-	-	-	-	-	-	-	-	-
9,500			125	81,0	●	●	●	●	●	●	●	●	●	●	●	●
9,525	3/8		133	87,0	●	-	-	-	-	●	●	●	-	-	-	●
9,550			133	87,0	●	-	-	-	-	-	-	-	-	-	-	-
9,576	V		133	87,0	●	-	-	-	-	●	●	●	-	-	-	-
9,600			133	87,0	●	●	-	●	●	●	●	●	●	-	-	●
9,650			133	87,0	●	-	-	-	-	-	-	-	-	-	-	-
9,700			133	87,0	●	●	-	●	●	●	●	●	●	-	-	●
9,750			133	87,0	●	-	-	●	●	-	-	-	●	-	-	-
9,800			133	87,0	●	●	-	●	●	●	●	●	●	-	-	●
9,804	W		133	87,0	●	-	-	-	-	●	●	●	-	-	-	-
9,850			133	87,0	●	-	-	-	-	-	-	-	-	-	-	-
9,900			133	87,0	●	●	-	●	●	●	●	●	●	-	-	●
9,921	25/64		133	87,0	●	-	-	-	-	●	●	●	-	-	-	-
9,950			133	87,0	●	-	-	-	-	-	-	-	-	-	-	-
10,000			133	87,0	●	●	●	●	●	●	●	●	●	■	●	●
10,084	X		133	87,0	●	-	-	-	-	●	●	●	-	-	-	-
10,100			133	87,0	●	-	-	-	-	-	-	-	●	-	-	-
10,200			133	87,0	●	●	-	-	●	●	●	●	●	-	-	●
10,250			133	87,0	●	-	-	-	-	-	-	-	●	-	-	-
10,262	Y		133	87,0	●	-	-	-	-	●	●	●	-	-	-	-
10,300			133	87,0	●	-	-	-	-	-	-	-	●	-	-	-
10,320	13/32		133	87,0	●	-	-	-	-	●	●	●	-	-	-	●
10,400			133	87,0	●	-	-	-	-	-	-	-	●	-	-	-
10,490	Z		133	87,0	●	-	-	-	-	●	●	●	-	-	-	-

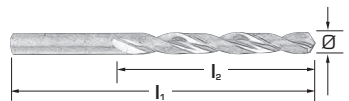
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale/Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
10,500			133	87,0	●	●	-	●	●	●	●	●	●	-	●	●
10,600			133	87,0	●	-	-	-	-	-	-	-	●	-	-	-
10,700			142	94,0	●	-	-	-	-	-	-	-	■	-	-	-
10,716	27/64		142	94,0	●	-	-	-	-	●	●	●	-	-	-	-
10,750			142	94,0	●	-	-	-	-	-	-	-	●	-	-	-
10,800			142	94,0	●	-	-	-	-	●	●	●	●	-	-	●
10,900			142	94,0	●	-	-	-	-	-	-	-	●	-	-	-
11,000			142	94,0	●	●	-	●	●	●	●	●	●	●	■	●
11,100			142	94,0	●	-	-	-	-	-	-	-	●	-	-	-
11,113	7/16		142	94,0	●	-	-	-	-	●	●	●	-	-	-	●
11,200			142	94,0	●	-	-	-	●	●	●	●	●	-	-	●
11,250			142	94,0	●	-	-	-	-	-	-	-	●	-	-	-
11,300			142	94,0	●	-	-	-	●	-	-	-	●	-	-	-
11,400			142	94,0	●	-	-	-	-	-	-	-	●	-	-	-
11,500			142	94,0	●	●	-	●	●	●	●	●	●	-	●	●
11,509	29/64		142	94,0	●	-	-	-	-	●	●	●	-	-	-	-
11,600			142	94,0	●	-	-	-	-	-	-	-	●	-	-	-
11,700			142	94,0	●	-	-	-	-	-	-	-	●	-	-	-
11,750			142	94,0	●	-	-	-	-	-	-	-	●	-	-	-
11,800			142	94,0	●	-	-	-	-	●	●	●	●	-	-	●
11,900			151	101,0	●	-	-	-	-	-	-	-	●	-	-	●
11,906	15/32		151	101,0	●	-	-	-	-	●	●	●	-	-	-	●
12,000			151	101,0	●	●	-	●	●	●	●	●	●	●	●	●
12,100			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
12,200			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
12,250			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
12,300			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
12,304	31/64		151	101,0	●	-	-	-	-	●	●	●	-	-	-	●
12,400			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
12,500			151	101,0	●	●	-	●	●	●	●	●	●	-	-	-
12,600			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
12,700			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
12,700	1/2		151	101,0	●	-	-	-	-	●	●	●	-	-	-	●
12,750			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
12,800			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
12,900			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-
13,000			151	101,0	●	●	-	●	●	●	●	●	●	●	-	-
13,096	33/64		151	101,0	●	-	-	-	-	-	-	-	-	-	-	-
13,100			151	101,0	●	-	-	-	-	●	●	●	●	-	-	-
13,200			151	101,0	●	-	-	-	-	-	-	-	●	-	-	-

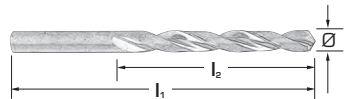
● Utensile disponibile a magazzino / Items available ex stock
 ■ Fino ad esaurimento scorte/discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale/Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
13,250			160	108,0	●	-	-	-	-	-	-	-	●	-	-	-
13,300			160	108,0	●	-	-	-	-	●	●	●	●	-	-	-
13,400			160	108,0	●	-	-	-	-	-	-	-	●	-	-	-
13,495	17/32		160	108,0	●	-	-	-	-	-	-	-	-	-	-	-
13,500			160	108,0	●	●	-	-	●	●	●	●	●	-	-	-
13,600			160	108,0	●	-	-	-	-	-	-	-	●	-	-	-
13,700			160	108,0	●	-	-	-	-	-	-	-	●	-	-	-
13,750			160	108,0	●	-	-	-	-	-	-	-	●	-	-	-
13,800			160	108,0	●	-	-	-	-	-	-	-	●	-	-	-
13,891	35/64		160	108,0	●	-	-	-	-	-	-	-	-	-	-	-
13,900			160	108,0	●	-	-	-	-	-	-	-	●	-	-	-
14,000			160	108,0	●	●	-	●	●	●	●	●	●	●	-	-
14,100			169	114,0	●	-	-	-	-	-	-	-	●	-	-	-
14,200			169	114,0	●	-	-	-	-	-	-	-	●	-	-	-
14,250			169	114,0	●	-	-	-	-	-	-	-	●	-	-	-
14,288	9/16		169	114,0	●	-	-	-	-	-	-	-	-	-	-	-
14,300			169	114,0	●	-	-	-	-	-	-	-	●	-	-	-
14,400			169	114,0	●	-	-	-	-	-	-	-	●	-	-	-
14,500			169	114,0	●	●	-	-	●	●	●	●	●	-	-	-
14,600			169	114,0	●	-	-	-	-	-	-	-	●	-	-	-
14,684	37/64		169	114,0	●	-	-	-	-	-	-	-	-	-	-	-
14,700			169	114,0	●	-	-	-	-	-	-	-	●	-	-	-
14,750			169	114,0	●	-	-	-	-	-	-	-	●	-	-	-
14,800			169	114,0	●	-	-	-	-	-	-	-	-	-	-	-
14,900			169	114,0	●	-	-	-	-	-	-	-	●	-	-	-
15,000			169	114,0	●	●	-	●	●	●	●	●	●	■	-	-
15,083	19/32		178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,100			178	120,0	●	-	-	-	-	●	●	●	-	-	-	-
15,200			178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,250			178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,300			178	120,0	●	-	-	-	●	●	●	●	-	-	-	-
15,400			178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,479	39/64		178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,500			178	120,0	●	-	-	-	●	●	●	●	●	-	-	-
15,600			178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,700			178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,750			178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,800			178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,875	5/8		178	120,0	●	-	-	-	-	-	-	-	-	-	-	-
15,900			178	120,0	●	-	-	-	-	-	-	-	-	-	-	-

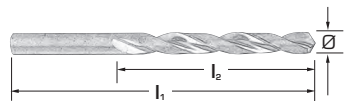
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank
made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
16,000			178	120,0	●	●	-	●	●	●	●	●	●	●	-	-
16,100			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,200			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,250			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,271	41/64		184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,300			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,400			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,500			184	125,0	●	-	-	-	-	-	-	-	●	-	-	-
16,600			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,670	21/32		184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,700			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,750			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,800			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
16,900			184	125,0	●	-	-	-	-	-	-	-	-	-	-	-
17,000			184	125,0	●	-	-	-	-	-	-	-	●	-	-	-
17,066	43/64		191	130,0	●	-	-	-	-	-	-	-	-	-	-	-
17,250			191	130,0	●	-	-	-	-	-	-	-	-	-	-	-
17,463	11/16		191	130,0	●	-	-	-	-	-	-	-	-	-	-	-
17,500			191	130,0	●	-	-	-	-	-	-	-	●	-	-	-
17,750			191	130,0	●	-	-	-	-	-	-	-	-	-	-	-
17,859	45/64		191	130,0	●	-	-	-	-	-	-	-	-	-	-	-
18,000			191	130,0	●	-	-	-	-	-	-	-	●	-	-	-
18,250			198	135,0	●	-	-	-	-	-	-	-	-	-	-	-
18,258	23/32		198	135,0	●	-	-	-	-	-	-	-	-	-	-	-
18,500			198	135,0	●	-	-	-	-	-	-	-	●	-	-	-
18,654	47/64		198	135,0	●	-	-	-	-	-	-	-	-	-	-	-
18,750			198	135,0	●	-	-	-	-	-	-	-	-	-	-	-
19,000			198	135,0	●	-	-	-	-	-	-	-	●	-	-	-
19,050	3/4		205	140,0	●	-	-	-	-	-	-	-	-	-	-	-
19,250			205	140,0	●	-	-	-	-	-	-	-	-	-	-	-
19,446	49/64		205	140,0	●	-	-	-	-	-	-	-	-	-	-	-
19,500			205	140,0	●	-	-	-	-	-	-	-	●	-	-	-
19,750			205	140,0	●	-	-	-	-	-	-	-	-	-	-	-
19,845	25/32		205	140,0	●	-	-	-	-	-	-	-	-	-	-	-
20,000			205	140,0	●	-	-	-	-	-	-	-	●	-	-	-
20,241	51/64		213	145,0	●	-	-	-	-	-	-	-	-	-	-	-
20,638	13/16		213	145,0	●	-	-	-	-	-	-	-	-	-	-	-
21,000			213	145,0	●	-	-	-	-	-	-	-	-	-	-	-
21,034	53/64		213	145,0	●	-	-	-	-	-	-	-	-	-	-	-
21,433	27/32		221	150,0	●	-	-	-	-	-	-	-	-	-	-	-

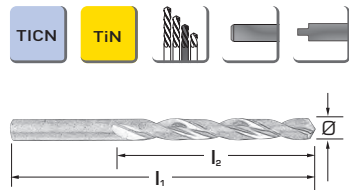
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS

Twist drills with straight shank made of HSS



Tipo / Type					N	N	N ML	H	W	STL	STL	STL	N	H	W	STL
Direzione di taglio Cutting direction																
Materiale / Material					HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Ø mm h8	Ø" h8	Ø No. mm	L ₁ mm	L ₂ mm	6151	6151 TN	6106	6187	6197	6210	6210 TN	6210 TC	6158	6190	6199	6209
21,829	55/64		221	150,0	●	-	-	-	-	-	-	-	-	-	-	-
22,000			221	150,0	●	-	-	-	-	-	-	-	-	-	-	-
22,225	7/9		221	150,0	●	-	-	-	-	-	-	-	-	-	-	-
22,621	57/64		229	155,0	●	-	-	-	-	-	-	-	-	-	-	-
23,000			229	155,0	●	-	-	-	-	-	-	-	-	-	-	-
23,020	29/32		229	155,0	●	-	-	-	-	-	-	-	-	-	-	-
23,416	59/64		229	155,0	●	-	-	-	-	-	-	-	-	-	-	-
23,813	15/16		236	160,0	●	-	-	-	-	-	-	-	-	-	-	-
24,000			236	160,0	●	-	-	-	-	-	-	-	-	-	-	-
24,209	61/64		236	160,0	●	-	-	-	-	-	-	-	-	-	-	-
24,608	31/32		236	160,0	●	-	-	-	-	-	-	-	-	-	-	-
25,000			243	165,0	●	-	-	-	-	-	-	-	-	-	-	-
25,004	63/64		243	165,0	●	-	-	-	-	-	-	-	-	-	-	-
25,400	1		243	165,0	●	-	-	-	-	-	-	-	-	-	-	-

● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Serie di punte N. cod 6151 in HSS

Twist drills Cat.-no. 6151 in sets in metal cases



Materiale / Material	HSS	
N. Cod / Item	6172	
Ø Gamma mm Ø Range mm	Pezzi Pieces	Serie completa Complete sets
1,5 - 6,5 mm con progr di / by steps of 0,5 mm + 3,3 e 4,2 mm	13	●
1,0 - 6,0 mm con progr di / by steps of 0,5 mm	11	●
1,0 - 5,9 mm con progr di / by steps of 0,1 mm	50	●
5,1 - 10,0 mm con progr di / by steps of 0,1 mm	50	●
6,0 - 10,0 mm con progr di / by steps of 0,1 mm	41	●
1,0 - 10,0 mm con progr di / by steps of 0,5 mm	19	●
1,0 - 10,5 mm con progr di / by steps of 0,5 mm + 3,3/4,2/6,8/10,2 mm	24	●
1,0 - 13,0 mm con progr di / by steps of 0,5 mm	25	●

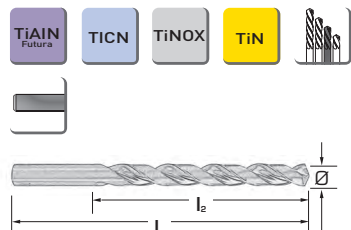
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS-Co e HSS-Co8

Twist drills with straight shank made of HSS-Co and HSS-Co8



Tipo / Type					N	N	N	VA	VA	Record VA	Record VA	Record GG	HD	HD	HD	NS
Direzione di taglio Cutting direction																
Materiale/Material					HSS-Co	HSS-Co	HSS-Co8	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø " 1/64	Ø No. mm	L ₁ mm	L ₂ mm	6153*	6153 TN	6154	6234	6234 TX	6140	6140 TX	6110 TF	6111	6111 TN	6111 TC	6247
0,300			19	3	●	-	-	●	●	-	-	-	-	-	-	-
0,350			19	4	-	-	-	●	●	-	-	-	-	-	-	-
0,396	1/64		20	5	-	-	-	●	●	-	-	-	-	-	-	-
0,400			20	5	●	-	-	●	●	-	-	-	-	-	-	-
0,406		78	20	5	-	-	-	●	●	-	-	-	-	-	-	-
0,450			20	5	-	-	-	●	●	-	-	-	-	-	-	-
0,457		77	20	5	-	-	-	●	●	-	-	-	-	-	-	-
0,500			22	6	●	-	●	●	●	-	-	-	-	-	-	-
0,508		76	22	6	-	-	-	●	●	-	-	-	-	-	-	-
0,533		75	24	7	-	-	-	●	●	-	-	-	-	-	-	-
0,550			24	7	-	-	-	●	●	-	-	-	-	-	-	-
0,572		74	24	7	-	-	-	●	●	-	-	-	-	-	-	-
0,600			24	7	●	-	-	●	●	-	-	-	-	-	-	-
0,610		73	26	8	-	-	-	●	●	-	-	-	-	-	-	-
0,635		72	26	8	-	-	-	●	●	-	-	-	-	-	-	-
0,650			26	8	-	-	-	●	●	-	-	-	-	-	-	-
0,660		71	26	8	-	-	-	●	●	-	-	-	-	-	-	-
0,700			28	9	●	-	-	●	●	-	-	-	-	-	-	-
0,711		70	28	9	-	-	-	●	●	-	-	-	-	-	-	-
0,742		69	28	9	-	-	-	●	●	-	-	-	-	-	-	-
0,750			28	9	●	-	-	●	●	-	-	-	-	-	-	-
0,787		68	30	10	-	-	-	●	●	-	-	-	-	-	-	-
0,795	1/32		30	10	-	-	-	●	●	-	-	-	-	-	-	-
0,800			30	10	●	-	-	●	●	-	-	-	-	-	-	-
0,813		67	30	10	-	-	-	●	●	-	-	-	-	-	-	-
0,838		66	30	10	-	-	-	●	●	-	-	-	-	-	-	-
0,850			30	10	-	-	-	●	●	-	-	-	-	-	-	-
0,889		65	32	11	-	-	-	●	●	-	-	-	-	-	-	-
0,900			32	11	●	-	●	●	●	-	-	-	-	-	-	-
0,914		64	32	11	-	-	-	●	●	-	-	-	-	-	-	-
0,940		63	32	11	-	-	-	●	●	-	-	-	-	-	-	-
0,950			32	11	●	-	-	●	●	-	-	-	-	-	-	-
0,965		62	34	12	-	-	-	●	●	-	-	-	-	-	-	-
0,991		61	34	12	-	-	-	●	●	-	-	-	-	-	-	-
1,000			34	12	●	●	●	●	●	●	●	-	●	●	●	●
1,016		60	34	12	-	-	-	●	●	-	-	-	-	-	-	-
1,041		59	34	12	-	-	-	●	●	-	-	-	-	-	-	-
1,050			34	12	●	-	-	●	●	-	-	-	-	-	-	●
1,067		58	36	14	-	-	-	●	●	-	-	-	-	-	-	-
1,092		57	36	14	-	-	-	●	●	-	-	-	-	-	-	-

* 6153 è lucida fino Ø 2,36 / da Ø 2,37 è vaporizzato / Item 6153 is blank till Ø 2,36 / from Ø 2,37 is vaporised

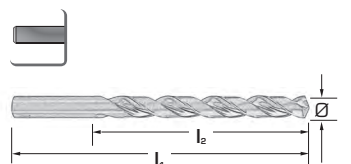
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS-Co e HSS-Co8

Twist drills with straight shank made of HSS-Co and HSS-Co8



Tipo / Type					N	N	N	VA	VA	Record VA	Record VA	Record GG	HD	HD	HD	NS	
Direzione di taglio Cutting direction																	
Materiale/Material					HSS-Co	HSS-Co	HSS-Co8	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø " mm	Ø No. mm	L ₁ mm	L ₂ mm	6153*	6153 TN	6154	6234	6234 TX	6140	6140 TX	6110 TF	6111	6111 TN	6111 TC	6247	
1,100			36	14	●	●	●	●	●	●	●	-	●	●	●	●	
1,150			36	14	-	-	-	●	●	-	-	-	-	-	-	●	
1,181		56	38	16	-	-	-	●	●	-	-	-	-	-	-	-	
1,191	3/64		38	16	-	-	-	●	●	-	-	-	-	-	-	-	
1,200			38	16	●	●	●	●	●	●	●	-	●	●	●	●	
1,250			38	16	●	-	-	●	●	-	-	-	-	-	-	●	
1,300			38	16	●	●	●	●	●	●	●	-	●	●	●	●	
1,321		55	40	18	-	-	-	●	●	-	-	-	-	-	-	-	
1,350			40	18	●	-	-	●	●	-	-	-	-	-	-	●	
1,397		54	40	18	-	-	-	●	●	-	-	-	-	-	-	-	
1,400			40	18	●	●	●	●	●	●	●	-	●	●	●	●	
1,450			40	18	●	-	-	●	●	-	-	-	-	-	-	●	
1,500			40	18	●	●	●	●	●	●	●	-	●	●	●	●	
1,511		53	43	20	-	-	-	●	●	-	-	-	-	-	-	-	
1,550			43	20	●	-	-	●	●	-	-	-	-	-	-	●	
1,588	1/16		43	20	-	-	-	●	●	-	-	-	-	-	-	-	
1,600			43	20	●	●	●	●	●	●	●	-	●	●	●	●	
1,613		52	43	20	-	-	-	●	●	-	-	-	-	-	-	-	
1,650			43	20	●	-	-	●	●	-	-	-	-	-	-	●	
1,700			43	20	●	●	●	●	●	●	●	-	●	●	●	●	
1,702		51	46	22	-	-	-	●	●	-	-	-	-	-	-	-	
1,750			46	22	●	-	-	●	●	-	-	-	-	-	-	●	
1,778		50	46	22	-	-	-	●	●	-	-	-	-	-	-	-	
1,800			46	22	●	●	●	●	●	●	●	-	●	●	●	●	
1,850			46	22	●	-	-	●	●	-	-	-	-	-	-	●	
1,854		49	46	22	-	-	-	●	●	-	-	-	-	-	-	-	
1,900			46	22	●	●	●	●	●	●	●	-	●	●	●	●	
1,930		48	49	24	-	-	-	●	●	-	-	-	-	-	-	-	
1,950			49	24	●	-	-	●	●	-	-	-	-	-	-	●	
1,984	5/64		49	24	-	-	-	●	●	-	-	-	-	-	-	-	
1,994		47	49	24	-	-	-	●	●	-	-	-	-	-	-	-	
2,000			49	24	●	●	●	●	●	●	●	-	●	●	●	●	
2,050			49	24	●	-	-	●	●	-	-	-	-	-	-	●	
2,057		46	49	24	-	-	-	●	●	-	-	-	-	-	-	-	
2,083		45	49	24	-	-	-	●	●	-	-	-	-	-	-	-	
2,100			49	24	●	●	●	●	●	●	●	-	●	●	●	●	
2,150			53	27	●	-	-	●	●	-	-	-	-	-	-	●	
2,184		44	53	27	-	-	-	●	●	-	-	-	-	-	-	-	
2,200			53	27	●	●	●	●	●	●	●	-	●	●	●	●	
2,250			53	27	●	-	-	●	●	-	-	-	-	-	-	●	

* 6153 è lucida fino Ø 2,36 / da Ø 2,37 è vaporizzato / Item 6153 is blank till Ø 2,36 / from Ø 2,37 is vaporised

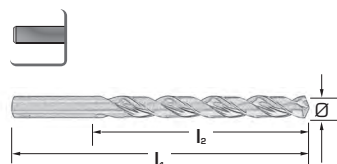
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS-Co e HSS-Co8

Twist drills with straight shank made of HSS-Co and HSS-Co8



Tipo / Type					N	N	N	VA	VA	Record VA	Record VA	Record GG	HD	HD	HD	NS	
Direzione di taglio Cutting direction																	
Materiale/Material					HSS-Co	HSS-Co	HSS-Co8	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	
Ø mm h8	Ø" mm	Ø No. mm	L ₁ mm	L ₂ mm	6153*	6153 TN	6154	6234	6234 TX	6140	6140 TX	6110 TF	6111	6111 TN	6111 TC	6247	
2,261		43	53	27	-	-	-	●	●	-	-	-	-	-	-	-	
2,300			53	27	●	●	●	●	●	●	●	-	●	●	●	●	
2,350			53	27	●	-	-	●	●	-	-	-	-	-	-	●	
2,375		42	57	30	-	-	-	●	●	-	-	-	-	-	-	-	
2,383	3/32		57	30	-	-	-	●	●	-	-	-	-	-	-	-	
2,400			57	30	●	●	●	●	●	●	●	-	●	●	●	●	
2,438		41	57	30	-	-	-	●	●	-	-	-	-	-	-	-	
2,450			57	30	●	-	-	●	●	-	-	-	-	-	-	●	
2,489		40	57	30	-	-	-	●	●	-	-	-	-	-	-	-	
2,500			57	30	●	●	●	●	●	●	●	-	●	●	●	●	
2,527		39	57	30	-	-	-	●	●	-	-	-	-	-	-	-	
2,550			57	30	●	-	-	●	●	-	-	-	-	-	-	●	
2,578		38	57	30	-	-	-	●	●	-	-	-	-	-	-	-	
2,600			57	30	●	●	●	●	●	●	●	-	●	●	●	●	
2,642		37	57	30	-	-	-	●	●	-	-	-	-	-	-	-	
2,650			57	30	●	-	-	●	●	-	-	-	-	-	-	●	
2,700		61	33		●	●	●	●	●	●	●	-	●	●	●	●	
2,705		36	61	33	-	-	-	●	●	-	-	-	-	-	-	-	
2,750			61	33	●	-	-	●	●	-	-	-	-	-	-	●	
2,779	7/64		61	33	-	-	-	●	●	-	-	-	-	-	-	-	
2,794		35	61	33	-	-	-	●	●	-	-	-	-	-	-	-	
2,800			61	33	●	●	●	●	●	●	●	-	●	●	●	●	
2,819		34	61	33	-	-	-	●	●	-	-	-	-	-	-	-	
2,850			61	33	●	-	-	●	●	-	-	-	-	-	-	●	
2,870		33	61	33	-	-	-	●	●	-	-	-	-	-	-	-	
2,900			61	33	●	●	●	●	●	●	●	-	●	●	●	●	
2,946		32	61	33	-	-	-	●	●	-	-	-	-	-	-	-	
2,950			61	33	●	-	-	●	●	-	-	-	-	-	-	●	
3,000			61	33	●	●	●	●	●	●	●	-	●	●	●	●	
3,048		31	65	36	-	-	-	●	●	-	-	-	-	-	-	-	
3,100			65	36	●	●	●	●	●	●	●	-	●	●	●	●	
3,150			65	36	●	-	-	-	-	-	-	-	-	-	-	●	
3,175	1/8		65	36	-	-	-	●	●	-	-	-	-	-	-	-	
3,200			65	36	●	●	●	●	●	●	●	-	●	●	●	●	
3,264		30	65	36	-	-	-	●	●	-	-	-	-	-	-	-	
3,300			65	36	●	●	●	●	●	●	●	-	●	●	●	●	
3,400			70	39	●	●	●	●	●	●	●	-	●	●	●	●	
3,454		29	70	39	-	-	-	●	●	-	-	-	-	-	-	-	
3,500			70	39	●	●	●	●	●	●	●	-	●	●	●	●	
3,569		28	70	39	-	-	-	●	●	-	-	-	-	-	-	-	

* 6153 è lucida fino Ø 2,36 / da Ø 2,37 è vaporizzato / Item 6153 is blank till Ø 2,36 / from Ø 2,37 is vaporised

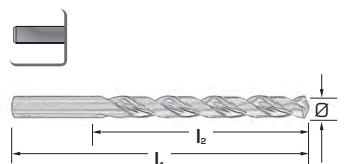
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS-Co e HSS-Co8

Twist drills with straight shank made of HSS-Co and HSS-Co8



Tipo / Type					N	N	N	VA	VA	Record VA	Record VA	Record GG	HD	HD	HD	NS
Direzione di taglio Cutting direction																
Materiale/Material					HSS-Co	HSS-Co	HSS-Co8	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø " mm	Ø No. mm	L ₁ mm	L ₂ mm	6153*	6153 TN	6154	6234	6234 TX	6140	6140 TX	6110 TF	6111	6111 TN	6111 TC	6247
3,571	9/64		70	39	-	-	-	●	●	-	-	-	-	-	-	-
3,600			70	39	●	●	●	●	●	●	●	-	●	●	●	●
3,650			70	39	-	-	-	●	●	-	-	-	-	-	-	-
3,658	27		70	39	-	-	-	●	●	-	-	-	-	-	-	-
3,700			70	39	●	●	●	●	●	●	●	-	●	●	●	●
3,734	26		70	39	-	-	-	●	●	-	-	-	-	-	-	-
3,797	25		75	43	-	-	-	●	●	-	-	-	-	-	-	-
3,800			75	43	●	●	●	●	●	●	●	-	●	●	●	●
3,861	24		75	43	-	-	-	●	●	-	-	-	-	-	-	-
3,900			75	43	●	●	●	●	●	●	●	-	●	●	●	●
3,912	23		75	43	-	-	-	●	●	-	-	-	-	-	-	-
3,970	5/32		75	43	-	-	-	●	●	-	-	-	-	-	-	-
3,988	22		75	43	-	-	-	●	●	-	-	-	-	-	-	-
4,000			75	43	●	●	●	●	●	●	●	■	●	●	●	●
4,039	21		75	43	-	-	-	●	●	-	-	-	-	-	-	-
4,089	20		75	43	-	-	-	●	●	-	-	-	-	-	-	-
4,100			75	43	●	●	●	●	●	●	●	■	●	●	●	●
4,200			75	43	●	●	●	●	●	●	●	-	●	●	●	●
4,216	19		75	43	-	-	-	●	●	-	-	-	-	-	-	-
4,300			80	47	●	●	●	●	●	●	●	■	●	●	●	●
4,305	18		80	47	-	-	-	●	●	-	-	-	-	-	-	-
4,366	11/64		80	47	-	-	-	●	●	-	-	-	-	-	-	-
4,394	17		80	47	-	-	-	●	●	-	-	-	-	-	-	-
4,400			80	47	●	●	●	●	●	●	●	■	●	●	●	●
4,496	16		80	47	-	-	-	●	●	-	-	-	-	-	-	-
4,500			80	47	●	●	●	●	●	●	●	■	●	●	●	●
4,572	15		80	47	-	-	-	●	●	-	-	-	-	-	-	-
4,600			80	47	●	●	●	●	●	●	●	■	●	●	●	●
4,623	14		80	47	-	-	-	●	●	-	-	-	-	-	-	-
4,699	13		80	47	-	-	-	●	●	-	-	-	-	-	-	-
4,700			80	47	●	●	●	●	●	●	●	■	●	●	●	●
4,763	3/16		86	52	-	-	-	●	●	-	-	-	-	-	-	-
4,800			86	52	●	●	●	●	●	●	●	■	●	●	●	●
4,801	12		86	52	-	-	-	●	●	-	-	-	-	-	-	-
4,851	11		86	52	-	-	-	●	●	-	-	-	-	-	-	-
4,900			86	52	●	●	●	●	●	●	●	■	●	●	●	●
4,915	10		86	52	-	-	-	●	●	-	-	-	-	-	-	-
4,978	9		86	52	-	-	-	●	●	-	-	-	-	-	-	-
5,000			86	52	●	●	●	●	●	●	●	-	●	●	●	●
5,055	8		86	52	-	-	-	●	●	-	-	-	-	-	-	-

* 6153 è lucida fino Ø 2,36 / da Ø 2,37 è vaporizzato / Item 6153 is blank till Ø 2,36 / from Ø 2,37 is vaporised

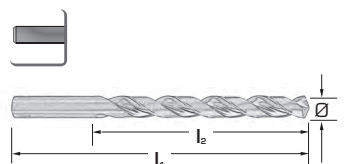
● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte/discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS-Co e HSS-Co8

Twist drills with straight shank made of HSS-Co and HSS-Co8



Tipo / Type					N	N	N	VA	VA	Record VA	Record VA	Record GG	HD	HD	HD	NS
Direzione di taglio Cutting direction																
Materiale/Material					HSS-Co	HSS-Co	HSS-Co8	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø"	Ø No. mm	L ₁ mm	L ₂ mm	6153*	6153 TN	6154	6234	6234 TX	6140	6140 TX	6110 TF	6111	6111 TN	6111 TC	6247
5,100			86	52	●	●	●	●	●	●	●	-	●	●	●	●
5,105		7	86	52	-	-	-	●	●	-	-	-	-	-	-	-
5,159	13/64		86	52	-	-	-	●	●	-	-	-	●	●	●	-
5,182		6	86	52	-	-	-	●	●	-	-	-	-	-	-	-
5,200			86	52	●	●	●	●	●	●	●	-	●	●	●	●
5,220		5	86	52	-	-	-	●	●	-	-	-	-	-	-	-
5,300			86	52	●	●	●	●	●	●	●	■	●	●	●	●
5,309		4	93	57	-	-	-	●	●	-	-	-	-	-	-	-
5,400			93	57	●	●	●	●	●	●	●	■	●	●	●	●
5,410		3	93	57	-	-	-	●	●	-	-	-	-	-	-	-
5,500			93	57	●	●	●	●	●	●	●	■	●	●	●	●
5,558	7/32		93	57	-	-	-	●	●	-	-	-	-	-	-	-
5,600			93	57	●	●	●	●	●	●	●	■	●	●	●	●
5,613		2	93	57	-	-	-	●	●	-	-	-	-	-	-	-
5,700			93	57	●	●	●	●	●	●	●	■	●	●	●	●
5,791		1	93	57	-	-	-	●	●	-	-	-	-	-	-	-
5,800			93	57	●	●	●	●	●	●	●	■	●	●	●	●
5,900			93	57	●	●	●	●	●	●	●	■	●	●	●	●
5,954	15/64		93	57	-	-	-	●	●	-	-	-	-	-	-	-
6,000			93	57	●	●	●	●	●	●	●	■	●	●	●	●
6,100			101	63	●	●	●	●	●	●	●	■	●	●	●	●
6,200			101	63	●	●	●	●	●	●	●	■	●	●	●	●
6,300			101	63	●	●	●	●	●	●	●	■	●	●	●	●
6,350	1/4		101	63	-	-	-	●	●	-	-	-	-	-	-	-
6,400			101	63	●	●	●	●	●	●	●	■	●	●	●	●
6,500			101	63	●	●	●	●	●	●	●	■	●	●	●	●
6,600			101	63	●	●	●	●	●	●	●	■	●	●	●	●
6,700			101	63	●	●	●	●	●	●	●	■	●	●	●	●
6,746	17/64		109	69	-	-	-	●	●	-	-	-	-	-	-	-
6,800			109	69	●	●	●	●	●	●	●	■	●	●	●	●
6,900			109	69	●	●	●	●	●	●	●	-	●	●	●	●
7,000			109	69	●	●	●	●	●	●	●	-	●	●	●	●
7,100			109	69	●	●	●	●	●	●	●	■	●	●	●	●
7,144	9/32		109	69	-	-	-	●	●	-	-	-	-	-	-	-
7,200			109	69	●	●	●	●	●	●	●	■	●	●	●	●
7,300			109	69	●	●	●	●	●	●	●	■	●	●	●	●
7,400			109	69	●	●	●	●	●	●	●	■	●	●	●	●
7,500			109	69	●	●	●	●	●	●	●	■	●	●	●	●
7,541	19/64		117	75	-	-	-	●	●	-	-	-	-	-	-	-
7,600			117	75	●	●	●	●	●	●	●	■	●	●	●	●

* 6153 è lucida fino Ø 2,36 / da Ø 2,37 è vaporizzato / Item 6153 is blank till Ø 2,36 / from Ø 2,37 is vaporised

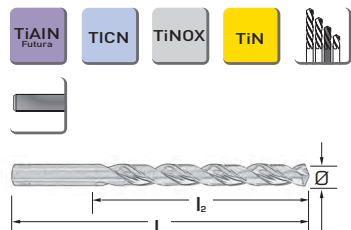
● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte/discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS-Co e HSS-Co8

Twist drills with straight shank made of HSS-Co and HSS-Co8



Tipo / Type					N	N	N	VA	VA	Record VA	Record VA	Record GG	HD	HD	HD	NS
Direzione di taglio Cutting direction																
Materiale/Material					HSS-Co	HSS-Co	HSS-Co8	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø" mm	Ø No. mm	L ₁ mm	L ₂ mm	6153*	6153 TN	6154	6234	6234 TX	6140	6140 TX	6110 TF	6111	6111 TN	6111 TC	6247
7,700			117	75	●	●	●	●	●	●	●	■	●	●	●	●
7,800			117	75	●	●	●	●	●	●	●	■	●	●	●	●
7,900			117	75	●	●	●	●	●	●	●	■	●	●	●	●
7,938	5/16		117	75	-	-	-	●	●	-	-	-	-	-	-	-
8,000			117	75	●	●	●	●	●	●	●	■	●	●	●	●
8,100			117	75	●	●	●	●	●	●	●	■	●	●	●	●
8,200			117	75	●	●	●	●	●	●	●	■	●	●	●	●
8,300			117	75	●	●	●	●	●	●	●	■	●	●	●	●
8,334	21/64		117	75	-	-	-	●	●	-	-	-	●	-	-	-
8,400			117	75	●	●	●	●	●	●	●	■	●	●	●	●
8,500			117	75	●	●	●	●	●	●	●	■	●	●	●	●
8,600			125	81	●	●	●	●	●	●	●	■	●	●	●	●
8,700			125	81	●	●	●	●	●	●	●	■	●	●	●	●
8,733	11/32		125	81	-	-	-	●	●	-	-	-	●	●	●	-
8,800			125	81	●	●	●	●	●	●	●	■	●	●	●	●
8,900			125	81	●	●	●	●	●	●	●	■	●	●	●	●
9,000			125	81	●	●	●	●	●	●	●	-	●	●	●	●
9,100			125	81	●	●	●	●	●	●	●	■	●	●	●	●
9,129	23/64		125	81	-	-	-	●	●	-	-	-	-	-	-	-
9,200			125	81	●	●	●	●	●	●	●	■	●	●	●	●
9,300			125	81	●	●	●	●	●	●	●	■	●	●	●	●
9,400			125	81	●	●	●	●	●	●	●	■	●	●	●	●
9,500			125	81	●	●	●	●	●	●	●	■	●	●	●	●
9,525	3/8		133	87	-	-	-	●	●	-	-	-	-	-	-	-
9,600			133	87	●	●	●	●	●	●	●	■	●	●	●	●
9,700			133	87	●	●	●	●	●	●	●	■	●	●	●	●
9,800			133	87	●	●	●	●	●	●	●	■	●	●	●	●
9,900			133	87	●	●	●	●	●	●	●	■	●	●	●	●
9,921	25/64		133	87	-	-	-	●	●	-	-	-	-	-	-	-
10,000			133	87	●	●	●	●	●	●	●	■	●	●	●	●
10,100			133	87	●	●	-	-	-	-	-	-	-	-	-	-
10,200			133	87	●	●	●	●	●	●	●	■	●	●	●	●
10,300			133	87	●	●	-	-	-	-	-	-	-	-	-	-
10,320	13/32		133	87	-	-	-	●	●	-	-	-	-	-	-	-
10,400			133	87	●	●	-	-	-	-	-	-	-	-	-	-
10,500			133	87	●	●	●	●	●	●	●	-	●	●	●	●
10,600			133	87	●	-	-	-	-	-	-	-	-	-	-	-
10,700			142	94	●	-	-	-	-	-	-	-	-	-	-	-
10,716	27/64		142	94	-	-	-	●	●	-	-	-	-	-	-	-
10,800			142	94	●	●	-	-	-	-	-	-	●	●	●	●

* 6153 è lucida fino Ø 2,36 / da Ø 2,37 è vaporizzato / Item 6153 is blank till Ø 2,36 / from Ø 2,37 is vaporised

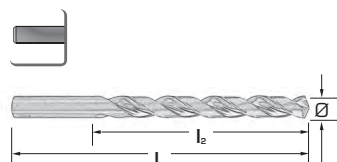
● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte/discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in HSS-Co e HSS-Co8

Twist drills with straight shank made of HSS-Co and HSS-Co8



Tipo / Type					N	N	N	VA	VA	Record VA	Record VA	Record GG	HD	HD	HD	NS	
Direzione di taglio Cutting direction																	
Materiale/Material					HSS-Co	HSS-Co	HSS-Co8	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø " No.	Ø No. mm	L ₁ mm	L ₂ mm	6153*	6153 TN	6154	6234	6234 TX	6140	6140 TX	6110 TF	6111	6111 TN	6111 TC	6247	
10,900			142	94	●	-	-	-	-	-	-	-	-	-	-	-	-
11,000			142	94	●	●	●	●	●	●	●	■	●	●	●	●	●
11,100			142	94	●	-	-	-	-	-	-	-	-	-	-	-	-
11,113	7/16		142	94	-	-	-	●	●	-	-	-	-	-	-	-	-
11,200			142	94	●	●	-	●	●	●	●	■	●	●	●	-	-
11,300			142	94	●	-	-	-	-	-	-	-	-	-	-	-	-
11,400			142	94	●	-	-	-	-	-	-	-	-	-	-	-	-
11,500			142	94	●	●	●	●	●	●	●	-	●	●	●	●	●
11,509	29/64		142	94	-	-	-	●	●	-	-	-	-	-	-	-	-
11,600			142	94	●	-	-	-	-	-	-	-	-	-	-	-	-
11,700			142	94	●	-	-	-	-	-	-	-	-	-	-	-	-
11,800			142	94	●	-	-	-	-	-	-	-	●	●	●	●	●
11,900			151	101	●	-	-	-	-	-	-	-	-	-	-	-	-
11,906	15/32		151	101	-	-	-	●	●	-	-	-	-	-	-	-	-
12,000			151	101	●	●	●	●	●	●	●	-	●	●	●	●	●
12,100			151	101	●	●	-	-	-	-	-	-	-	-	-	-	-
12,200			151	101	●	-	-	-	-	-	-	-	-	-	-	●	-
12,300			151	101	●	-	-	-	-	-	-	-	-	-	-	-	-
12,304	31/64		151	101	-	-	-	●	●	-	-	-	-	-	-	-	-
12,400			151	101	●	-	-	-	-	-	-	-	-	-	-	-	-
12,500			151	101	●	●	●	●	●	●	●	-	●	●	●	●	●
12,600			151	101	●	-	-	-	-	-	-	-	-	-	-	-	-
12,700			151	101	-	-	-	-	-	-	-	-	-	-	-	-	-
12,700	1/2		151	101	●	●	●	●	●	●	●	-	-	-	-	-	-
12,800			151	101	●	-	-	-	-	-	-	-	-	-	-	-	●
12,900			151	101	●	-	-	-	-	-	-	-	-	-	-	-	-
13,000			151	101	●	●	●	●	●	●	●	-	●	●	●	●	●
13,100			151	101	-	-	-	-	-	-	-	-	●	●	●	●	-
13,300			160	108	-	-	-	-	-	-	-	-	●	●	●	●	-
13,500			160	108	●	●	●	●	●	●	●	■	●	●	●	●	●
13,800			160	108	●	-	-	-	-	-	-	-	-	-	-	-	-
14,000			160	108	●	●	●	●	●	●	●	-	●	●	●	●	●
14,500			169	114	●	●	-	●	●	●	●	■	●	●	●	●	●
14,800			169	114	-	-	-	-	-	-	-	-	-	-	-	-	-
15,000			169	114	●	●	●	●	●	●	●	■	●	●	●	●	●
15,100			178	120	-	-	-	-	-	-	-	-	●	●	●	●	-
15,300			178	120	-	-	-	-	-	-	-	-	●	●	●	●	-
15,500			178	120	●	●	●	-	-	●	●	■	●	●	●	●	-
15,800			178	120	-	-	-	-	-	-	-	-	-	-	-	-	-
16,000			178	120	●	●	●	-	-	●	●	■	●	●	●	●	-

* 6153 è lucida fino Ø 2,36 / da Ø 2,37 è vaporizzato / Item 6153 is blank till Ø 2,36 / from Ø 2,37 is vaporised

● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte/discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco cilindrico in metallo duro integrale

Twist drills with straight shank
made of solid carbide



Tipo / Type			N	HM
Direzione di taglio Cutting direction				
Materiale/Material			K10/20	K10/20
Ø mm h8	L ₁ mm	L ₂ mm	6214	6120*
0,6	24	7	●	-
0,7	28	9	●	-
0,8	30	10	●	-
0,9	32	11	●	-
1,0	34	12	●	-
1,1	36	14	●	-
1,2	38	16	●	-
1,3	38	16	●	-
1,4	40	18	●	-
1,5	40	18	●	-
1,6	43	20	●	-
1,7	43	20	●	-
1,8	46	22	●	-
1,9	46	22	●	-
2,0	49	24	●	-
2,1	49	24	●	-
2,2	53	27	●	-
2,3	53	27	●	-
2,4	57	30	●	-
2,5	57	30	●	-
2,6	57	30	●	-
2,7	61	33	●	-
2,8	61	33	●	-
2,9	61	33	●	-
3,0	61	33	●	●
3,1	65	36	●	●
3,2	65	36	●	●
3,3	65	36	●	●
3,4	70	39	●	●
3,5	70	39	●	●
3,6	70	39	●	●
3,7	70	39	●	●
3,8	75	43	●	●
3,9	75	43	●	●
4,0	75	43	●	●
4,1	75	43	●	●
4,2	75	43	●	●
4,3	80	47	●	●
4,4	80	47	●	●
4,5	80	47	●	●

Tipo / Type			N	HM
Direzione di taglio Cutting direction				
Materiale/Material			K10/20	K10/20
Ø mm h8	L ₁ mm	L ₂ mm	6214	6120*
4,6	80	47	●	●
4,7	80	47	●	●
4,8	86	52	●	●
4,9	86	52	●	●
5,0	86	52	●	●
5,1	86	52	●	●
5,2	86	52	●	●
5,3	86	52	●	●
5,4	93	57	●	●
5,5	93	57	●	●
5,6	93	57	●	●
5,7	93	57	●	●
5,8	93	57	●	●
5,9	93	57	●	●
6,0	93	57	●	●
6,1	101	63	●	●
6,2	101	63	●	●
6,3	101	63	●	●
6,4	101	63	●	●
6,5	101	63	●	●
6,6	101	63	●	●
6,7	101	63	●	●
6,8	109	69	●	●
6,9	109	69	●	●
7,0	109	69	●	●
7,1	109	69	●	●
7,2	109	69	●	●
7,3	109	69	●	●
7,4	109	69	●	●
7,5	109	69	●	●
7,6	117	75	●	●
7,7	117	75	●	●
7,8	117	75	●	●
7,9	117	75	●	●
8,0	117	75	●	●
8,1	117	75	●	●
8,2	117	75	●	●
8,3	117	75	●	●
8,4	117	75	●	●
8,5	117	75	●	●

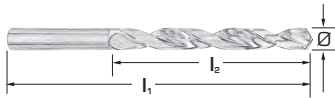
* Punta 6120 con taglienti in metallo duro / Ref. 6120 carbide tipped
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

**Punte con attacco cilindrico
in metallo duro integrale**

Twist drills with straight shank
made of solid carbide



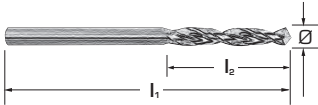
Tipo / Type			N	HM
Direzione di taglio Cutting direction				
Materiale/Material			K10/20	K10/20
Ø mm h8	L ₁ mm	L ₂ mm	6214	6120*
8,6	125	81	●	●
8,7	125	81	●	●
8,8	125	81	●	●
8,9	125	81	●	●
9,0	125	81	●	●
9,1	125	81	●	●
9,2	125	81	●	●
9,3	125	81	●	●
9,4	125	81	●	●
9,5	125	81	●	●
9,6	133	87	●	●
9,7	133	87	●	●
9,8	133	87	●	●
9,9	133	87	●	●
10,0	133	87	●	●
10,1	133	87	-	●
10,2	133	87	●	●
10,3	133	87	-	●
10,4	133	87	-	●
10,5	133	87	●	●
10,6	133	87	-	●
10,7	142	94	-	●
10,8	142	94	●	●
10,9	142	94	-	●
11,0	142	94	●	●
11,1	142	94	-	●
11,2	142	94	●	●
11,3	142	94	-	●
11,4	142	94	-	●
11,5	142	94	●	●
11,6	142	94	-	●
11,7	142	94	-	●
11,8	142	94	●	●
11,9	151	101	-	●
12,0	151	101	●	●
12,1	151	101	-	●
12,2	151	101	-	●
12,3	151	101	-	●
12,4	151	101	-	●
12,5	151	101	-	●


Tipo / Type			N	HM
Direzione di taglio Cutting direction				
Materiale/Material			K10/20	K10/20
Ø mm h8	L ₁ mm	L ₂ mm	6214	6120*
12,6	151	101	-	●
12,7	151	101	-	●
12,8	151	101	-	●
12,9	151	101	-	●
13,0	151	101	-	●


* Punta 6120 con taglienti in metallo duro/ Ref. 6120 carbide tipped
● Utensile disponibile a magazzino / Items available ex stock



Punte con attacco cilindrico in metallo duro integrale
specifiche per circuiti stampati e plastiche dure
Diametro nominale = diametro gambo
Twist drills with straight shank made of solid carbide
identical nominal and shank diameter
for drilling printed circuit boards, hard plastics



Tipo / Type			N
Direzione di taglio Cutting direction			
Materiale/Material			K10/20
Ø mm h8	l ₁ mm	l ₂ mm	6230
1,0	30	11,0	●
1,1	30	11,0	●
1,2	30	13,0	●
1,3	30	13,0	●
1,4	30	13,0	●
1,5	30	13,0	●
1,6	40	17,5	●
1,7	40	17,5	●
1,8	40	17,5	●
1,9	40	17,5	●
2,0	40	17,5	●
2,5	40	17,5	●
3,0	45	20,0	●

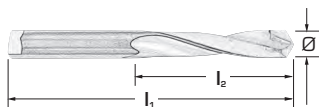
Tipo / Type			N
Direzione di taglio Cutting direction			
Materiale/Material			K10/20
Ø mm h8	l ₁ mm	l ₂ mm	6230

● Utensile disponibile a magazzino / Items available ex stock



Punte con attacco cilindrico e taglienti in metallo duro Con tenone di trascinamento secondo DIN 1809

Carbide tipped twist drills with straight shank
with tang acc. to DIN 1809 for drilling highly abrasive



Tipo / Type			HM
Direzione di taglio Cutting direction			
Materiale/Material			K10/20
Ø mm h8	L ₁ mm	L ₂ mm	6211
3,0	50	20	●
3,5	56	25	●
3,8	56	25	●
4,0	56	25	●
4,2	63	28	●
4,5	63	28	●
4,8	63	28	●
5,0	63	28	●
5,2	71	32	●
5,5	71	32	●
5,8	71	32	●
6,0	71	32	●
6,5	71	32	●
6,8	80	40	●
7,0	80	40	●
7,5	80	40	●
8,0	80	40	●
8,5	90	50	●
9,0	90	50	●
9,5	90	50	●
10,0	100	56	●
10,5	100	56	●
11,0	100	56	●
11,5	112	63	●
12,0	112	63	●
13,0	112	63	●
14,0	125	71	●
15,0	125	71	●
16,0	140	80	●

Tipo / Type			HM
Direzione di taglio Cutting direction			
Materiale/Material			K10/20
Ø mm h8	L ₁ mm	L ₂ mm	6211

● Utensile disponibile a magazzino / Items available ex stock

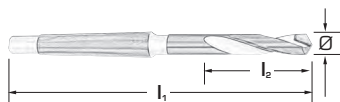
Per i diametri inferiori a 0,3 mm vedere N. cod. 6214 - Le misure intermedie sono disponibili a richiesta
For diameters below 3,0 mm Ø please see Ref. 6214 - intermediate sizes - prices upon request


DIN 8041




Punte con attacco conico e taglienti in metallo duro

Carbide tipped twist drills with taper shank



Tipo / Type				HM
Direzione di taglio Cutting direction				
Materiale/Material				K10/20
Ø mm h8	L ₁ mm	L ₂ mm	CM/MT	6231
8,0	135	45	1	●
8,5	135	45	1	●
9,0	135	45	1	●
9,5	140	50	1	●
10,0	140	50	1	●
10,5	140	50	1	●
11,0	140	50	1	●
11,5	146	56	1	●
12,0	146	56	1	●
12,5	146	56	1	●
13,0	146	56	1	●
13,5	168	63	2	●
14,0	168	63	2	●
14,5	168	63	2	●
15,0	168	63	2	●
15,5	175	70	2	●
16,0	175	70	2	●
16,5	175	70	2	●
17,0	175	70	2	●
17,5	185	80	2	●
18,0	185	80	2	●
18,5	185	80	2	●
19,0	185	80	2	●
19,5	215	90	2	●
20,0	215	90	3	●
21,0	215	90	3	●
22,0	215	90	3	●
22,5	215	90	3	●
23,0	225	100	3	●
24,0	225	100	3	●
25,0	225	100	3	●
26,0	260	110	4	●
27,0	260	110	4	●
28,0	260	110	4	●
29,0	275	125	4	●
30,0	275	125	4	●
31,0	275	125	4	●
32,0	275	125	4	●

Tipo / Type				HM
Direzione di taglio Cutting direction				
Materiale/Material				K10/20
Ø mm h8	L ₁ mm	L ₂ mm	CM/MT	6231

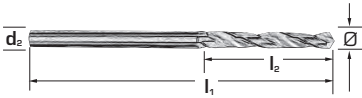
Le misure intermedie sono disponibili a richiesta / Intermediate sizes - prices upon request
● Utensile disponibile a magazzino / Items available ex stock



MICROPUNTE HSS-Co / MICRO DRILLS HSS-Co

Tolleranze sul diametro / Drill diameter tolerances

- Fino a/ Until - 1,00 mm: +0
- 0,004 mm
- Oltre/ Over > 1,00 mm: +0
- 0,005 mm



Tipo / Type				N	N
Direzione di taglio Cutting direction					
Materiale/Material				HSS-Co	HSS-Co
Ø mm h8	l ₁ mm	l ₂ mm	d ₂ mm	6511	6513
0,05	25	0,40	1	●	-
0,06	25	0,40	1	●	-
0,07	25	0,40	1	●	-
0,08	25	0,50	1	●	■
0,09	25	0,50	1	●	-
0,10	25	0,70	1	●	-
0,11	25	0,70	1	●	■
0,12	25	0,70	1	●	-
0,13	25	1,00	1	●	■
0,14	25	1,00	1	●	■
0,15	25	1,00	1	●	●
0,16	25	1,40	1	●	●
0,17	25	1,40	1	●	●
0,18	25	1,40	1	●	●
0,19	25	1,40	1	●	●
0,20	25	1,80	1	●	●
0,21	25	1,80	1	●	●
0,22	25	1,80	1	●	●
0,23	25	1,80	1	●	●
0,24	25	1,80	1	●	●
0,25	25	2,20	1	●	●
0,26	25	2,20	1	●	●
0,27	25	2,20	1	●	●
0,28	25	2,20	1	●	●
0,29	25	2,20	1	●	●
0,30	25	2,20	1	●	●
0,31	25	2,80	1	●	●
0,32	25	2,80	1	●	●
0,33	25	2,80	1	●	●
0,34	25	2,80	1	●	●
0,35	25	2,80	1	●	●
0,36	25	2,80	1	●	●
0,37	25	2,80	1	●	●
0,38	25	2,80	1	●	●
0,39	25	3,60	1	●	●
0,40	25	3,60	1	●	●
0,41	25	3,60	1	●	●
0,42	25	3,60	1	●	●
0,43	25	3,60	1	●	●
0,44	25	3,60	1	●	●

Tipo / Type				N	N
Direzione di taglio Cutting direction					
Materiale/Material				HSS-Co	HSS-Co
Ø mm h8	l ₁ mm	l ₂ mm	d ₂ mm	6511	6513
0,45	25	3,60	1	●	●
0,46	25	3,60	1	●	●
0,47	25	3,60	1	●	●
0,48	25	3,60	1	●	●
0,49	25	4,00	1	●	●
0,50	25	4,00	1	●	●
0,51	25	4,00	1	●	●
0,52	25	4,00	1	●	●
0,53	25	4,00	1	●	●
0,54	25	4,50	1	●	●
0,55	25	4,50	1	●	●
0,56	25	4,50	1	●	●
0,57	25	4,50	1	●	●
0,58	25	4,50	1	●	●
0,59	25	4,50	1	●	●
0,60	25	4,50	1	●	●
0,61	25	5,00	1	●	●
0,62	25	5,00	1	●	●
0,63	25	5,00	1	●	●
0,64	25	5,00	1	●	●
0,65	25	5,00	1	●	●
0,66	25	5,00	1	●	●
0,67	25	5,00	1	●	●
0,68	25	5,60	1	●	●
0,69	25	5,60	1	●	●
0,70	25	5,60	1	●	●
0,71	25	5,60	1	●	●
0,72	25	5,60	1	●	●
0,73	25	5,60	1	●	●
0,74	25	5,60	1	●	●
0,75	25	5,60	1	●	●
0,76	25	6,30	1	●	●
0,77	25	6,30	1	●	●
0,78	25	6,30	1	●	●
0,79	25	6,30	1	●	●
0,80	25	6,30	1,5	●	●
0,81	25	6,30	1,5	●	●
0,82	25	6,30	1,5	●	●
0,83	25	6,30	1,5	●	●
0,84	25	6,30	1,5	●	●

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



MICROPUNTE HSS-Co / MICRO DRILLS HSS-Co

Tolleranze sul diametro / Drill diameter tolerances

- Fino a/ Until – 1,00 mm: +0
- 0,004 mm
- Oltre/ Over > 1,00 mm: +0
- 0,005 mm



Tipo / Type				N	
Direzione di taglio / Cutting direction					
Materiale / Material				HSS-Co	
Ø mm h8	l ₁ mm	l ₂ mm	d ₂ mm	6511	6513
0,85	25	6,30	1,5	●	●
0,86	25	7,10	1,5	●	●
0,87	25	7,10	1,5	●	●
0,88	25	7,10	1,5	●	●
0,89	25	7,10	1,5	●	●
0,90	25	7,10	1,5	●	●
0,91	25	7,10	1,5	●	●
0,92	25	7,10	1,5	●	●
0,93	25	7,10	1,5	●	●
0,94	25	7,10	1,5	●	●
0,95	25	7,10	1,5	●	■
0,96	25	8,00	1,5	●	●
0,97	25	8,00	1,5	●	●
0,98	25	8,00	1,5	●	●
0,99	25	8,00	1,5	●	●
1,00	25	8,00	1,5	●	●
1,05	25	8,00	1,5	●	●
1,10	25	9,00	1,5	●	●
1,15	25	9,00	1,5	●	●
1,20	25	10,00	1,5	●	●
1,25	25	10,00	1,5	●	●
1,30	25	10,00	1,5	●	●
1,35	25	11,20	1,5	●	●
1,40	25	11,20	1,5	●	●
1,45	25	11,20	1,5	●	●

Tipo / Type				N	
Direzione di taglio / Cutting direction					
Materiale / Material				HSS-Co	
Ø mm h8	l ₁ mm	l ₂ mm	d ₂ mm	6511	6513

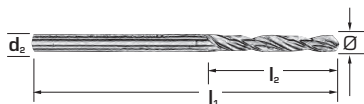
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



MICROPUNTE MDI / MICRO DRILLS SC

Tolleranze sul diametro / Drill diameter tolerances

- Fino a/ Until – 1,00 mm: +0
- 0,004 mm
- Oltre/ Over > 1,00 mm: +0
- 0,005 mm



Tipo / Type					N
Direzione di taglio Cutting direction					
Materiale/Material					K10
Ø mm h5	l ₁ mm	l ₂ mm	d _{2MM} h6	6516	
0,10	30	0,7	1	●	
0,11	30	0,7	1	●	
0,12	30	0,7	1	●	
0,13	30	0,7	1	●	
0,14	30	0,7	1	●	
0,15	30	1,0	1	●	
0,16	30	1,0	1	●	
0,17	30	1,0	1	●	
0,18	30	1,0	1	●	
0,19	30	1,0	1	●	
0,20	30	1,0	1	●	
0,21	30	1,0	1	●	
0,22	30	1,0	1	●	
0,23	30	1,0	1	●	
0,24	30	1,0	1	●	
0,25	30	1,0	1	●	
0,26	30	1,0	1	●	
0,27	30	1,0	1	●	
0,28	30	1,0	1	●	
0,29	30	1,0	1	●	
0,30	30	1,5	1	●	
0,31	30	1,5	1	●	
0,32	30	1,5	1	●	
0,33	30	1,5	1	●	
0,34	30	1,5	1	●	
0,35	30	1,5	1	●	
0,36	30	1,5	1	●	
0,37	30	1,5	1	●	
0,38	30	1,5	1	●	
0,39	30	1,5	1	●	
0,40	30	2,0	1	●	
0,41	30	2,0	1	●	
0,42	30	2,0	1	●	
0,43	30	2,0	1	●	
0,44	30	2,0	1	●	
0,45	30	3,5	1	●	
0,46	30	3,5	1	●	
0,47	30	3,5	1	●	
0,48	30	3,5	1	●	
0,49	30	4,0	1	●	

Tipo / Type					N
Direzione di taglio Cutting direction					
Materiale/Material					K10
Ø mm h5	l ₁ mm	l ₂ mm	d _{2MM} h6	6516	
0,50	30	4,0	1	●	
0,51	30	4,0	1	●	
0,52	30	4,0	1	●	
0,53	30	4,0	1	●	
0,54	30	4,5	1	●	
0,55	30	4,5	1	●	
0,56	30	4,5	1	●	
0,57	30	4,5	1	●	
0,58	30	4,5	1	●	
0,59	30	4,5	1	●	
0,60	30	4,5	1	●	
0,61	30	5,0	1	●	
0,62	30	5,0	1	●	
0,63	30	5,0	1	●	
0,64	30	5,0	1	●	
0,65	30	5,0	1	●	
0,66	30	5,0	1	●	
0,67	30	5,0	1	●	
0,68	30	5,5	1	●	
0,69	30	5,6	1	●	
0,70	30	5,6	1	●	
0,71	30	5,6	1	●	
0,72	30	5,6	1	●	
0,73	30	5,6	1	●	
0,74	30	5,6	1	●	
0,75	30	5,6	1	●	
0,76	30	6,5	1	●	
0,77	30	6,5	1	●	
0,78	30	6,5	1	●	
0,79	30	6,5	1	●	
0,80	30	6,5	1,5	●	
0,81	30	6,5	1,5	●	
0,82	30	6,5	1,5	●	
0,83	30	6,5	1,5	●	
0,84	30	6,5	1,5	●	
0,85	30	6,5	1,5	●	
0,86	30	7,0	1,5	●	
0,87	30	7,0	1,5	●	
0,88	30	7,0	1,5	●	
0,89	30	7,0	1,5	●	

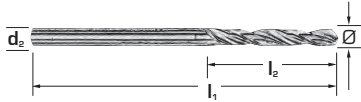
● Utensile disponibile a magazzino / Items available ex stock



MICROPUNTE MDI / MICRO DRILLS SC

Tolleranze sul diametro / Drill diameter tolerances

- Fino a/ Until – 1,00 mm: **+0**
- 0,004 mm
- Oltre/ Over > 1,00 mm: **+0**
- 0,005 mm



Tipo / Type				N
Direzione di taglio / Cutting direction				
Materiale / Material				K10
Ø mm h5	L ₁ mm	L ₂ mm	d _{2MM} h6	6516
0,90	30	7,0	1,5	●
0,91	30	7,0	1,5	●
0,92	30	7,0	1,5	●
0,93	30	7,0	1,5	●
0,94	30	7,0	1,5	●
0,95	30	7,0	1,5	●
0,96	30	8,0	1,5	●
0,97	30	8,0	1,5	●
0,98	30	8,0	1,5	●
0,99	30	8,0	1,5	●
1,00	30	9,0	1,5	●
1,05	30	9,0	1,5	●
1,10	30	9,0	1,5	●
1,15	30	9,0	1,5	●
1,20	30	10,0	1,5	●
1,25	30	10,0	1,5	●
1,30	30	10,0	1,5	●
1,35	30	11,5	1,5	●
1,40	30	11,5	1,5	●
1,45	30	11,5	1,5	●
1,50	38	11,5	2	●
1,55	38	12,0	2	●
1,60	38	12,0	2	●
1,65	38	12,0	2	●
1,70	38	12,0	2	●
1,75	38	12,0	2	●
1,80	38	12,0	2	●
1,85	38	12,0	2	●
1,90	38	12,0	2	●
1,95	38	12,0	2	●
2,00	38	12,0	3	●
2,05	38	12,0	3	●
2,10	38	12,0	3	●
2,15	38	12,0	3	●
2,20	38	12,0	3	●
2,25	38	12,0	3	●
2,30	38	12,0	3	●
2,35	38	12,0	3	●
2,40	38	12,0	3	●
2,45	38	12,0	3	●

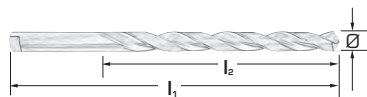
Tipo / Type				N
Direzione di taglio / Cutting direction				
Materiale / Material				K10
Ø mm h5	L ₁ mm	L ₂ mm	d _{2MM} h6	6516
2,50	38	12,0	3	●
2,55	38	12,0	3	●
2,60	38	12,0	3	●
2,65	38	12,0	3	●
2,70	38	12,0	3	●
2,75	38	12,0	3	●
2,80	38	12,0	3	●
2,85	38	12,0	3	●
2,90	38	12,0	3	●
2,95	38	12,0	3	●

● Utensile disponibile a magazzino / Items available ex stock



Punte con attacco cilindrico in HSS per foratura con bussola di guida e tenone di trascinamento

Twist drills with straight shank made of HSS for drilling with jigs, bushings and tenon drive



Tipo / Type			N
Direzione di taglio Cutting direction			
Materiale/Material			HSS
Ø mm h8	l ₁ mm	l ₂ mm	6202
1,00	48	26	●
1,10	50	28	●
1,20	52	30	●
1,25	52	30	■
1,30	52	30	●
1,35	55	33	■
1,40	55	33	●
1,50	55	33	●
1,60	58	35	●
1,70	58	35	●
1,80	62	38	●
1,90	62	38	●
2,00	66	41	●
2,10	66	41	●
2,20	70	44	●
2,30	70	44	●
2,35	70	44	■
2,40	74	47	●
2,50	74	47	●
2,60	74	47	●
2,70	79	51	●
2,75	79	51	■
2,80	79	51	■
2,90	79	51	●
3,00	79	51	●
3,10	84	55	●
3,20	84	55	●
3,30	84	55	●
3,40	91	60	●
3,50	91	60	●
3,60	91	60	●
3,70	91	60	●
3,80	96	64	●
3,90	96	64	●
4,00	96	64	●
4,10	96	64	●
4,20	96	64	●
4,30	102	69	●
4,40	102	69	●
4,50	102	69	●

Tipo / Type			N
Direzione di taglio Cutting direction			
Materiale/Material			HSS
Ø mm h8	l ₁ mm	l ₂ mm	6202
4,60	102	69	●
4,70	102	69	●
4,80	108	74	●
4,90	108	74	●
5,00	108	74	●
5,10	108	74	●
5,20	108	74	●
5,30	108	74	●
5,40	116	80	●
5,50	116	80	●
5,60	116	80	●
5,70	116	80	●
5,80	116	80	●
5,90	116	80	●
6,00	116	80	●
6,10	124	86	●
6,20	124	86	●
6,30	124	86	●
6,40	124	86	●
6,50	124	86	●
6,60	124	86	●
6,70	124	86	●
6,80	133	93	●
6,90	133	93	●
7,00	133	93	●
7,10	133	93	●
7,20	133	93	●
7,30	133	93	●
7,40	133	93	●
7,50	133	93	●
7,60	142	100	●
7,70	142	100	●
7,80	142	100	●
7,90	142	100	●
8,00	142	100	●
8,10	142	100	●
8,20	142	100	●
8,30	142	100	●
8,40	142	100	●
8,50	142	100	●

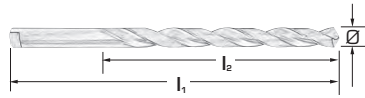
6202 è lucida fino a Ø 3, con tenone di trascinamento dal Ø 3 DIN 1809 - item 6202 is blank till Ø 3, with tenon DIN 1809 from Ø 3

● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte/discontinued items



Punte con attacco cilindrico in HSS per foratura con bussola di guida e tenone di trascinamento

Twist drills with straight shank made of HSS for drilling with jigs, bushings and tenon drive



Tipo / Type			N
Direzione di taglio Cutting direction			
Materiale/Material			HSS
Ø mm h8	l ₁ mm	l ₂ mm	6202
8,60	151	107	●
8,70	151	107	●
8,80	151	107	●
8,90	151	107	●
9,00	151	107	●
9,10	151	107	●
9,20	151	107	●
9,30	151	107	●
9,40	151	107	●
9,50	151	107	●
9,60	162	116	●
9,70	162	116	●
9,80	162	116	●
10,00	162	116	●
10,20	162	116	●
10,50	162	116	●
10,80	173	125	●
11,00	173	125	●
11,50	173	125	●
12,00	184	134	●
10,00	162	116	●
10,20	162	116	●
10,50	162	116	●
10,80	173	125	●
11,00	173	125	●
11,50	173	125	●
12,00	184	134	●

Tipo / Type			N
Direzione di taglio Cutting direction			
Materiale/Material			HSS
Ø mm h8	l ₁ mm	l ₂ mm	6202

6202 è lucida fino a Ø 3, con tenone di trascinamento dal Ø 3 DIN 1809 - item 6202 is blank till Ø 3, with tenon DIN 1809 from Ø 3

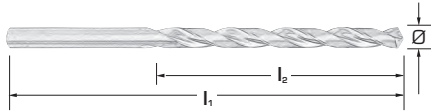
● Utensile disponibile a magazzino / Items available ex stock



SERIE LUNGA / LONG SERIES

Punte con attacco cilindrico in HSS e HSS-Co

Twist drills with straight shank made of HSS and HSS-Co



Tipo / Type				N	N	N ML	H	W	STL	STL	STL	N	VA	HD
Direzione di taglio Cutting direction														
Materiale / Material				HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	6165	6165 TN	6108	6192	6200	6173	6173 TN	6184	6166	6112	6113
0,500		32	12	●	-	-	-	-	-	-	-	●	-	-
0,600		35	15	●	-	-	-	-	-	-	-	●	-	-
0,700		42	21	■	●	-	-	-	-	-	-	●	-	-
0,800		46	25	●	-	-	-	-	-	-	-	●	-	-
0,900		51	29	●	-	-	-	-	-	-	-	●	-	-
1,000		56	33	●	●	-	●	●	●	●	-	●	●	●
1,050		56	33	●	-	-	-	-	-	-	-	-	-	-
1,100		60	37	●	-	-	●	●	●	●	-	●	●	●
1,150		60	37	●	-	-	-	-	-	-	-	●	-	-
1,200		65	41	●	-	-	-	●	●	●	-	●	●	●
1,250		65	41	●	-	-	-	●	-	-	-	●	-	-
1,300		65	41	●	-	-	-	●	●	●	-	●	●	●
1,350		70	45	●	-	-	-	-	-	-	-	●	-	-
1,400		70	45	●	-	-	●	●	●	●	-	●	●	●
1,450		70	45	●	-	-	-	-	-	-	-	●	-	-
1,500		70	45	●	●	-	●	●	●	●	-	●	●	●
1,550		76	50	●	-	-	-	-	-	-	-	●	-	-
1,600		76	50	●	-	-	●	●	●	●	-	●	●	●
1,650		76	50	●	-	-	-	-	-	-	-	●	-	-
1,700		76	50	●	-	-	●	●	●	●	-	●	●	●
1,750		80	53	●	-	-	-	●	-	-	-	-	-	-
1,800		80	53	●	-	-	●	●	●	●	-	●	●	●
1,850		80	53	●	-	-	-	-	-	-	-	-	-	-
1,900		80	53	●	-	-	●	●	●	●	-	●	●	●
1,950		85	56	●	-	-	-	-	-	-	-	●	-	-
1,984	5/64	85	56	-	-	-	-	-	●	-	-	-	-	-
2,000		85	56	●	●	-	●	●	●	●	■	●	●	●
2,050		85	56	●	-	-	-	-	-	-	-	●	-	-
2,100		85	56	●	-	-	●	●	●	●	-	●	●	●
2,150		90	59	●	-	-	-	-	-	-	-	-	-	-
2,200		90	59	●	-	-	●	●	●	●	-	●	●	●
2,250		90	59	●	-	-	-	●	-	-	-	-	-	-
2,300		90	59	●	-	-	●	●	●	●	-	●	●	●
2,350		90	59	●	-	-	-	-	-	-	-	-	-	-
2,383	3/32	95	62	-	-	-	-	-	●	-	-	-	-	-
2,400		95	62	●	-	-	●	●	●	●	-	●	●	●
2,450		95	62	●	-	-	-	-	-	-	-	-	-	-
2,500		95	62	●	●	-	●	●	●	●	-	●	●	●
2,550		95	62	●	-	-	-	-	-	-	-	■	-	-
2,600		95	62	●	-	-	●	●	●	●	-	●	●	●

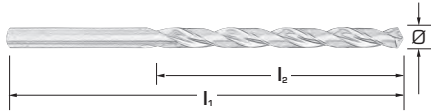
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE LUNGA / LONG SERIES

Punte con attacco cilindrico in HSS e HSS-Co

Twist drills with straight shank made of HSS and HSS-Co



Tipo / Type				N	N	N ML	H	W	STL	STL	STL	N	VA	HD
Direzione di taglio Cutting direction														
Materiale / Material				HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	6165	6165 TN	6108	6192	6200	6173	6173 TN	6184	6166	6112	6113
2,650		95	62	●	-	-	-	-	-	-	-	-	-	-
2,700		100	66	●	-	-	●	●	●	●	-	■	●	●
2,750		100	66	●	-	-	-	●	-	-	-	-	-	-
2,779	7/64	100	66	-	-	-	-	-	●	-	-	-	-	-
2,800		100	66	●	-	-	●	●	●	●	-	●	●	●
2,850		100	66	●	-	-	-	-	-	-	-	-	-	-
2,900		100	66	●	-	-	●	●	●	●	-	●	●	●
2,950		100	66	●	-	-	-	-	-	-	-	-	-	-
3,000		100	66	●	●	●	●	●	●	●	■	●	●	●
3,050		106	69	●	-	-	-	-	-	-	-	-	-	-
3,100		106	69	●	-	-	●	●	●	●	-	●	●	●
3,150		106	69	●	-	-	-	-	-	-	-	●	-	-
3,175	1/8	106	69	■	-	-	-	-	●	-	-	-	-	-
3,200		106	69	●	●	●	●	●	●	●	-	●	●	●
3,250		106	69	●	-	-	-	●	-	-	-	-	-	-
3,300		106	69	●	●	-	●	●	●	●	-	●	●	●
3,350		106	69	●	-	-	-	-	-	-	-	-	-	-
3,400		112	73	●	-	-	●	●	●	●	-	●	●	●
3,450		112	73	●	-	-	-	-	-	-	-	-	-	-
3,500		112	73	●	●	●	●	●	●	●	■	●	●	●
3,550		112	73	●	-	-	-	-	-	-	-	-	-	-
3,571	9/64	112	73	-	-	-	-	-	●	-	-	-	-	-
3,600		112	73	●	-	-	-	●	●	●	-	■	●	●
3,650		112	73	●	-	-	-	-	-	-	-	-	-	-
3,700		112	73	●	-	-	-	●	●	●	-	●	●	●
3,750		112	73	●	-	-	-	●	-	-	-	-	-	-
3,800		119	78	●	-	●	-	●	●	●	-	●	●	●
3,850		119	78	●	-	-	-	-	-	-	-	-	-	-
3,900		119	78	●	-	-	-	●	●	●	-	●	●	●
3,950		119	78	●	-	-	-	-	-	-	-	-	-	-
3,970	5/32	119	78	-	-	-	-	-	●	-	-	-	-	-
4,000		119	78	●	●	●	●	●	●	●	-	●	●	●
4,050		119	78	●	-	-	-	-	-	-	-	-	-	-
4,100		119	78	●	-	-	-	●	●	●	-	●	●	●
4,150		119	78	●	-	-	-	-	-	-	-	-	-	-
4,200		119	78	●	●	●	-	●	●	●	-	●	●	●
4,250		119	78	●	-	-	-	●	-	-	-	-	-	-
4,300		126	82	●	-	-	-	●	●	●	-	●	●	●
4,350		126	82	●	-	-	-	-	-	-	-	-	-	-
4,366	11/64	126	82	-	-	-	-	-	●	-	-	-	-	-

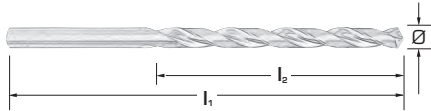
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE LUNGA / LONG SERIES

Punte con attacco cilindrico in HSS e HSS-Co

Twist drills with straight shank made of HSS and HSS-Co



Tipo / Type				N	N	N ML	H	W	STL	STL	STL	N	VA	HD
Direzione di taglio Cutting direction														
Materiale / Material				HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	6165	6165 TN	6108	6192	6200	6173	6173 TN	6184	6166	6112	6113
4,400		126	82	●	-	-	-	●	●	●	-	●	●	●
4,450		126	82	●	-	-	-	-	-	-	-	-	-	-
4,500		126	82	●	●	●	●	●	●	●	-	●	●	●
4,550		126	82	●	-	-	-	-	-	-	-	-	-	-
4,600		126	82	●	-	-	-	●	●	●	-	●	●	●
4,650		126	82	●	-	-	-	-	-	-	-	-	-	-
4,700		126	82	●	-	-	-	●	●	●	-	●	●	●
4,750		126	82	●	-	-	-	●	-	-	-	-	-	-
4,763	3/16	132	87	■	-	-	-	-	●	-	-	-	-	-
4,800		132	87	●	-	●	-	●	●	●	-	●	●	●
4,850		132	87	●	-	-	-	-	-	-	-	-	-	-
4,900		132	87	●	-	-	-	●	●	●	-	●	●	●
4,950		132	87	●	-	-	-	-	-	-	-	-	-	-
5,000		132	87	●	●	●	●	●	●	●	-	●	●	●
5,100		132	87	●	-	-	-	●	●	●	-	●	●	●
5,159	13/64	132	87	-	-	-	-	-	●	-	-	-	-	-
5,200		132	87	●	-	●	-	●	●	●	-	●	●	●
5,250		132	87	●	-	-	-	-	-	-	-	-	-	-
5,300		132	87	●	-	-	-	●	●	●	-	●	●	●
5,400		139	91	●	-	-	-	●	●	●	-	●	●	●
5,500		139	91	●	●	●	●	●	●	●	-	●	●	●
5,558	7/62	139	91	-	-	-	-	-	●	-	-	-	-	-
5,600		139	91	●	-	-	-	●	●	●	-	●	●	●
5,700		139	91	●	-	-	-	●	●	●	-	●	●	●
5,750		139	91	●	-	-	-	-	-	-	-	-	-	-
5,800		139	91	●	-	●	-	●	●	●	-	●	●	●
5,900		139	91	●	-	-	-	●	●	●	-	●	●	●
5,954	15/64	139	91	-	-	-	-	-	●	-	-	-	-	-
6,000		139	91	●	●	●	●	●	●	●	-	●	●	●
6,100		148	97	●	-	-	-	●	●	●	-	●	●	●
6,200		148	97	●	-	●	-	●	●	●	-	●	●	●
6,250		148	97	●	-	-	-	-	-	-	-	-	-	-
6,300		148	97	●	-	-	-	●	●	●	-	●	●	●
6,350	1/4	148	97	-	-	-	-	-	●	-	-	-	-	-
6,400		148	97	●	-	-	-	●	●	●	-	●	●	●
6,500		148	97	●	●	●	●	●	●	●	-	●	●	●
6,600		148	97	●	-	-	-	●	●	●	-	●	●	●
6,700		148	97	●	-	-	-	●	●	●	-	●	●	●
6,746	17/64	156	102	-	-	-	-	-	●	-	-	-	-	-
6,750		156	102	●	-	-	-	-	-	-	-	-	-	-

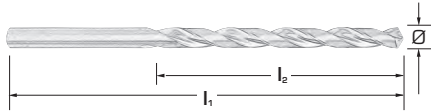
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE LUNGA / LONG SERIES

Punte con attacco cilindrico in HSS e HSS-Co

Twist drills with straight shank made of HSS and HSS-Co



Tipo / Type				N	N	N ML	H	W	STL	STL	STL	N	VA	HD
Direzione di taglio Cutting direction														
Materiale / Material				HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	6165	6165 TN	6108	6192	6200	6173	6173 TN	6184	6166	6112	6113
6,800		156	102	●	-	●	-	●	●	●	-	●	●	●
6,900		156	102	●	-	-	-	●	●	●	-	●	●	●
7,000		156	102	●	●	●	●	●	●	●	■	●	●	●
7,100		156	102	●	-	-	-	-	●	●	-	-	●	●
7,145	9/32	156	102	-	-	-	-	-	●	-	-	-	-	-
7,200		156	102	●	-	-	-	-	●	●	-	-	●	●
7,250		156	102	●	-	-	-	■	-	-	-	-	-	-
7,300		156	102	●	-	-	-	-	●	●	-	●	●	●
7,400		156	102	●	-	-	-	-	●	●	-	-	●	●
7,500		156	102	●	●	●	-	●	●	●	■	●	●	●
7,541	19/64	165	109	-	-	-	-	-	●	-	-	-	-	-
7,600		165	109	●	-	-	-	-	●	●	-	●	●	●
7,700		165	109	●	-	-	-	-	●	●	-	●	●	●
7,750		165	109	●	-	-	-	-	-	-	-	-	-	-
7,800		165	109	●	-	-	-	-	●	●	-	●	●	●
7,900		165	109	●	-	-	-	-	●	●	-	●	●	●
7,938	5/16	165	109	-	-	-	-	-	●	-	-	-	-	-
8,000		165	109	●	●	●	●	●	●	●	-	●	●	●
8,100		165	109	●	-	-	-	-	●	-	-	●	●	●
8,200		165	109	●	-	-	-	-	●	-	-	●	●	●
8,250		165	109	●	-	-	-	-	-	-	-	-	-	-
8,300		165	109	●	-	-	-	-	●	-	-	-	●	●
8,334	21/64	165	109	-	-	-	-	-	●	-	-	-	-	-
8,400		165	109	●	-	-	-	-	●	-	-	-	●	●
8,500		165	109	●	●	●	-	●	●	●	■	●	●	●
8,600		175	115	●	-	-	-	-	●	-	-	●	●	●
8,700		175	115	●	-	-	-	-	●	-	-	●	●	●
8,733	11/32	175	115	-	-	-	-	-	●	-	-	-	-	-
8,750		175	115	●	-	-	-	-	-	-	-	-	-	-
8,800		175	115	●	-	-	-	-	-	-	-	●	●	●
8,900		175	115	●	-	-	-	-	●	-	-	-	●	●
9,000		175	115	●	●	●	●	●	●	●	-	●	●	●
9,100		175	115	●	-	-	-	-	●	-	-	●	●	●
9,129	23/64	175	115	-	-	-	-	-	●	-	-	-	-	-
9,200		175	115	●	-	-	-	-	●	-	-	●	●	●
9,250		175	115	●	-	-	-	-	-	-	-	-	-	-
9,300		175	115	●	-	-	-	-	●	-	-	●	●	●
9,400		175	115	●	-	-	-	-	●	-	-	-	●	●
9,500		175	115	●	-	●	-	●	●	●	■	●	●	●
9,525	3/8	184	121	-	-	-	-	-	●	-	-	-	-	-

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE LUNGA / LONG SERIES

Punte con attacco cilindrico in HSS e HSS-Co

Twist drills with straight shank made of HSS and HSS-Co



Tipo / Type				N	N	N ML	H	W	STL	STL	STL	N	VA	HD
Direzione di taglio Cutting direction														
Materiale / Material				HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	6165	6165 TN	6108	6192	6200	6173	6173 TN	6184	6166	6112	6113
9,600		184	121	●	-	-	-	-	●	-	-	●	●	●
9,700		184	121	●	-	-	-	-	●	-	-	●	●	●
9,750		184	121	●	-	-	-	-	-	-	-	-	-	-
9,800		184	121	●	-	-	-	-	●	-	-	●	●	●
9,900		184	121	●	-	-	-	-	●	-	-	●	●	●
9,921	25/64	184	121	-	-	-	-	-	●	-	-	-	-	-
10,000		184	121	●	●	●	●	●	●	●	-	●	●	●
10,100		184	121	●	-	-	-	-	-	-	-	●	-	-
10,200		184	121	●	-	-	-	-	●	●	-	●	●	●
10,300		184	121	●	-	-	-	-	-	-	-	●	-	-
10,320	13/32	184	121	-	-	-	-	-	●	-	-	-	-	-
10,400		184	121	●	-	-	-	-	-	-	-	-	-	-
10,500		184	121	●	-	-	-	●	●	●	-	●	●	●
10,600		184	121	●	-	-	-	-	-	-	-	-	-	-
10,700		195	128	●	-	-	-	-	-	-	-	-	-	-
10,716	27/64	195	128	-	-	-	-	-	●	-	-	-	-	-
10,800		195	128	●	-	-	-	-	●	●	-	-	●	●
10,900		195	128	●	-	-	-	-	-	-	-	-	-	-
11,000		195	128	●	-	-	-	●	●	●	■	●	●	●
11,113	7/16	195	128	-	-	-	-	-	●	-	-	-	-	-
11,200		195	128	●	-	-	-	-	●	●	-	●	●	●
11,500		195	128	●	-	-	-	●	●	●	-	●	●	●
11,509	29/64	195	128	-	-	-	-	-	●	-	-	-	-	-
11,800		195	128	●	-	-	-	-	●	●	-	■	●	●
11,908	15/32	205	134	■	-	-	-	-	●	-	-	-	-	-
12,000		205	134	●	-	-	-	●	●	●	-	●	●	●
12,200		205	134	●	-	-	-	-	-	-	-	-	-	-
12,304	31/64	205	134	-	-	-	-	-	●	-	-	-	-	-
12,500		205	134	●	-	-	-	-	-	-	-	●	-	-
12,700	1/14	205	134	-	-	-	-	-	●	-	-	●	-	-
12,800		205	134	●	-	-	-	-	-	-	-	■	-	-
13,000		205	134	●	-	-	-	-	-	-	-	●	-	-
13,200		205	134	●	-	-	-	-	-	-	-	-	-	-
13,500		214	140	●	-	-	-	-	-	-	-	●	-	-
13,800		214	140	●	-	-	-	-	-	-	-	-	-	-
14,000		214	140	●	-	-	-	-	-	-	-	●	-	-
14,500		220	144	●	-	-	-	-	-	-	-	-	-	-
15,000		220	144	●	-	-	-	-	-	-	-	●	-	-
15,500		227	149	●	-	-	-	-	-	-	-	-	-	-
16,000		227	149	●	-	-	-	-	-	-	-	●	-	-

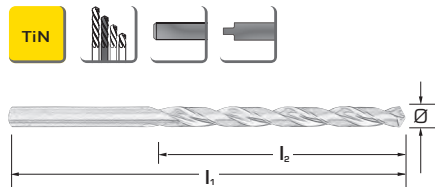
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE LUNGA / LONG SERIES

Punte con attacco cilindrico in HSS e HSS-Co

Twist drills with straight shank made of HSS and HSS-Co



Tipo / Type				N	N	N ML	H	W	STL	STL	STL	N	VA	HD
Direzione di taglio Cutting direction														
Materiale / Material				HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS-Co	HSS-Co	HSS-Co
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	6165	6165 TN	6108	6192	6200	6173	6173 TN	6184	6166	6112	6113
17,000		235	154	●	-	-	-	-	-	-	-	■	-	-
18,000		241	158	●	-	-	-	-	-	-	-	-	-	-
19,000		247	162	●	-	-	-	-	-	-	-	-	-	-
20,000		254	166	●	-	-	-	-	-	-	-	-	-	-
21,000		261	171	●	-	-	-	-	-	-	-	-	-	-
22,000		268	176	●	-	-	-	-	-	-	-	-	-	-
23,000		275	180	●	-	-	-	-	-	-	-	-	-	-
24,000		282	185	●	-	-	-	-	-	-	-	-	-	-
25,000		282	185	●	-	-	-	-	-	-	-	-	-	-

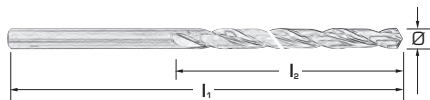
● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA LUNGA / EXTRA LONG SERIES

Punte con attacco cilindrico in HSS e HSS-Co

Twist drills with straight shank
made of HSS and HSS-Co



Tipo / Type					N	STL	STL
Direzione di taglio Cutting direction							
Materiale/Material					HSS	HSS	HSS-Co
Ø mm h8	Ø " mm	Ø No. mm	L ₁ mm	L ₂ mm	6217/1	6216/1	6218/1
2,000			125	85	●	●	●
2,100			125	85	●	●	●
2,200			135	90	●	●	●
2,300			135	90	●	●	●
2,383	3/32		140	95	-	●	-
2,400			140	95	●	●	●
2,489	40		140	95	-	●	-
2,500			140	95	●	●	●
2,527	39		140	95	-	●	-
2,578	38		140	95	-	●	-
2,600			140	95	●	●	●
2,642	37		140	95	-	●	-
2,700			150	100	●	●	●
2,705	36		150	100	-	●	-
2,779	7/64		150	100	-	●	-
2,794	35		150	100	-	●	-
2,800			150	100	●	●	●
2,819	34		150	100	-	●	-
2,870	33		150	100	-	●	-
2,900			150	100	●	●	●
2,946	32		150	100	-	●	-
3,000			150	100	●	●	●
3,048	31		155	105	-	●	-
3,100			155	105	●	●	●
3,175	1/8		155	105	-	●	-
3,200			155	105	●	●	●
3,264	30		155	105	-	●	-
3,300			155	105	●	●	●
3,400			165	115	●	●	●
3,454	29		165	115	-	●	-
3,500			165	115	●	●	●
3,569	28		165	115	-	●	-
3,571	9/64		165	115	-	●	-
3,600			165	115	●	●	●
3,658	27		165	115	-	●	-
3,700			165	115	●	●	●
3,734	26		165	115	-	●	-
3,797	25		175	120	-	●	-
3,800			175	120	●	●	●
3,861	24		175	120	-	●	-

Tipo / Type					N	STL	STL
Direzione di taglio Cutting direction							
Materiale/Material					HSS	HSS	HSS-Co
Ø mm h8	Ø " mm	Ø No. mm	L ₁ mm	L ₂ mm	6217/1	6216/1	6218/1
3,900			175	120	●	●	●
3,912		23	175	120	-	●	-
3,970	5/32		175	120	-	●	-
3,988	22		175	120	-	●	-
4,000			175	120	●	●	●
4,039	21		175	120	-	●	-
4,089	20		175	120	-	●	-
4,100			175	120	●	●	●
4,200			175	120	●	●	●
4,216	19		175	120	-	●	-
4,300			185	125	●	●	●
4,305	18		185	125	-	●	-
4,366	11/64		185	125	-	●	-
4,394	17		185	125	-	●	-
4,400			185	125	●	●	●
4,496	16		185	125	-	●	-
4,500			185	125	●	●	●
4,572	15		185	125	-	●	-
4,600			185	125	●	●	●
4,623	14		185	125	-	●	-
4,699	13		185	125	-	●	-
4,700			185	125	●	●	●
4,763	3/16		195	135	-	●	-
4,800			195	135	●	●	●
4,801	12		195	135	-	●	-
4,851	11		195	135	-	●	-
4,900			195	135	●	●	●
4,915	10		195	135	-	●	-
4,978	9		195	135	-	●	-
5,000			195	135	●	●	●
5,055	8		195	135	-	●	-
5,100			195	135	●	●	●
5,105	7		195	135	-	●	-
5,159	13/64		195	135	-	●	-
5,182	6		195	135	-	●	-
5,200			195	135	●	●	●
5,220	5		195	135	-	●	-
5,300			195	135	●	●	●
5,309	4		205	140	-	●	-
5,400			205	140	●	●	●

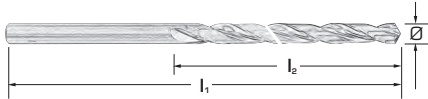
● Utensile disponibile a magazzino / Items available ex stock



SERIE EXTRA LUNGA / EXTRA LONG SERIES

**Punte con attacco cilindrico
in HSS e HSS-Co**

Twist drills with straight shank
made of HSS and HSS-Co



Tipo / Type					N	STL	STL
Direzione di taglio Cutting direction							
Materiale/Material					HSS	HSS	HSS-Co
Ø mm h8	Ø " mm	Ø No. mm	L ₁ mm	L ₂ mm	6217/1	6216/1	6218/1
5,410		3	205	140	-	●	-
5,500			205	140	●	●	●
5,558	7/32		205	140	-	●	-
5,600			205	140	●	●	●
5,613		2	205	140	-	●	-
5,700			205	140	●	●	●
5,791		1	205	140	-	●	-
5,800			205	140	●	●	●
5,900			205	140	●	●	●
5,954	15/64		205	140	-	●	-
6,000			205	140	●	●	●
6,100			215	150	●	●	●
6,200			215	150	●	●	●
6,300			215	150	●	●	●
6,350	1/4		215	150	-	●	-
6,400			215	150	●	●	●
6,500			215	150	●	●	●
6,600			215	150	●	●	●
6,700			215	150	●	●	●
6,746	17/64		225	155	-	●	-
6,800			225	155	●	●	●
6,900			225	155	●	●	●
7,000			225	155	●	●	●
7,100			225	155	●	●	●
7,145	9/32		225	155	-	●	-
7,200			225	155	●	●	●
7,300			225	155	●	●	●
7,400			225	155	●	●	●
7,500			225	155	●	●	●
7,541	19/64		240	165	-	●	-
7,600			240	165	●	●	●
7,700			240	165	●	●	●
7,800			240	165	●	●	●
7,900			240	165	●	●	●
7,938	5/16		240	165	-	●	-
8,000			240	165	●	●	●
8,100			240	165	●	●	●
8,200			240	165	●	●	●
8,300			240	165	●	●	●
8,334	21/64		240	165	-	●	-

Tipo / Type					N	STL	STL
Direzione di taglio Cutting direction							
Materiale/Material					HSS	HSS	HSS-Co
Ø mm h8	Ø " mm	Ø No. mm	L ₁ mm	L ₂ mm	6217/1	6216/1	6218/1
8,400			240	165	●	●	●
8,500			240	165	●	●	●
8,600			250	175	●	●	●
8,700			250	175	●	●	●
8,733	11/32		250	175	-	●	-
8,800			250	175	●	●	●
8,900			250	175	●	●	●
9,000			250	175	●	●	●
9,100			250	175	●	●	●
9,129	23/64		250	175	-	●	-
9,200			250	175	●	●	●
9,300			250	175	●	●	●
9,400			250	175	●	●	●
9,500			250	175	●	●	●
9,525	3/8		265	185	-	●	-
9,600			265	185	●	●	●
9,700			265	185	●	●	●
9,800			265	185	●	●	●
9,900			265	185	●	●	●
9,921	25/64		265	185	-	●	-
10,000			265	185	●	●	●
10,320	13/32		265	185	-	●	-
10,500			265	185	-	●	●
10,716	27/64		280	195	-	●	-
11,000			280	195	-	●	●
11,113	7/16		280	195	-	●	-
11,500			280	195	-	●	●
11,509	29/64		280	195	-	●	-
11,908	15/32		295	205	-	●	-
12,000			295	205	-	●	●
12,304	31/64		295	205	-	●	-
12,700	1/2		295	205	-	●	-

● Utensile disponibile a magazzino / Items available ex stock

DIN 1869-3



SERIE EXTRA LUNGA / EXTRA LONG SERIES

**Punte con attacco cilindrico
in HSS e HSS-Co**

Twist drills with straight shank
made of HSS and HSS-Co



Tipo / Type			N	STL
Direzione di taglio Cutting direction				
Materiale/Material			HSS	HSS
Ø mm h8	L ₁ mm	L ₂ mm	6217/3	6216/3
3,5	265	180	●	●
4,0	280	190	●	●
4,5	295	200	●	●
5,0	315	210	●	●
5,5	330	225	●	●
6,0	330	225	●	●
6,5	350	235	●	●
7,0	370	250	●	●
7,5	370	250	●	●
8,0	390	265	●	●
8,5	390	265	●	●
9,0	410	280	●	●
9,5	410	280	●	●
10,0	430	295	●	●
10,5	430	295	-	●
11,0	450	305	-	●
11,5	450	305	-	●
12,0	480	305	-	●

Tipo / Type			N	STL
Direzione di taglio Cutting direction				
Materiale/Material			HSS	HSS
Ø mm h8	L ₁ mm	L ₂ mm	6217/3	6216/3

● Utensile disponibile a magazzino / Items available ex stock



LUNGHEZZE SPECIALI / SUPERLONG

**Punte con attacco cilindrico
in HSS**

Twist drills with straight shank
made of HSS



Tipo / Type				STL
Direzione di taglio Cutting direction				
Materiale/Material				HSS
∅ mm h8	l_1 mm	l_2 mm	6130	
6,0	500	400	●	
6,5	500	400	●	
7,0	500	400	●	
8,0	650	550	●	
8,0	800	700	●	
9,0	650	550	●	
10,0	800	700	●	
10,0	1000	800	●	
11,0	800	700	●	
12,0	800	700	●	
12,0	1000	800	●	
13,0	800	700	●	
13,5	800	700	■	
13,5	1000	800	■	
14,0	800	700	●	

Tipo / Type				STL
Direzione di taglio Cutting direction				
Materiale/Material				HSS
∅ mm h8	l_1 mm	l_2 mm	6130	

In fase di ordinazione specificare sempre il ∅ e la lunghezza totale
When ordering, please state ∅ and total length L1.
Per diametri e lunghezze differenti consultare anche la tipologia ILIX
N. cod. 6150 con attacco conico
For different ∅ and lengths please refer to our Cat.-No. 6150 with
Morse taper shank.

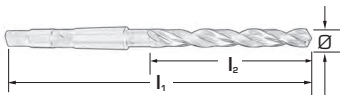
● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
3,000		114	33	1		●	-	-	-
3,175	1/8	117	36	1		●	-	-	-
3,250		117	36	1		●	-	-	-
3,500		120	39	1		●	-	-	-
3,571	9/64	120	39	1		●	-	-	-
3,750		120	39	1		●	-	-	-
3,970	5/32	124	43	1		●	-	-	-
4,000		124	43	1		●	-	-	-
4,100		124	43	1		●	-	-	-
4,200		124	43	1		●	-	-	-
4,250		124	43	1		●	-	-	-
4,300		128	47	1		●	-	-	-
4,366	11/64	128	47	1		●	-	-	-
4,400		128	47	1		●	-	-	-
4,500		128	47	1		●	-	-	-
4,600		128	47	1		●	-	-	-
4,700		128	47	1		●	-	-	-
4,750		128	47	1		●	-	-	-
4,763	3/16	133	52	1		●	-	-	-
4,800		133	52	1		●	-	-	-
4,900		133	52	1		●	-	-	-
5,000		133	52	1		●	●	-	-
5,100		133	52	1		●	-	-	-
5,159	13/64	133	52	1		●	-	-	-
5,200		133	52	1		●	-	-	-
5,250		133	52	1		●	-	-	-
5,300		133	52	1		●	-	-	-
5,400		138	57	1		●	-	-	-
5,500		138	57	1		●	-	-	-
5,558	7/32	138	57	1		●	-	-	-
5,600		138	57	1		●	-	-	-
5,700		138	57	1		●	-	-	-
5,750		138	57	1		●	-	-	-
5,800		138	57	1		●	-	-	-
5,900		138	57	1		●	-	-	-
5,954	15/64	138	57	1		●	-	-	-
6,000		138	57	1		●	●	-	-
6,100		144	63	1		●	-	-	-
6,200		144	63	1		●	-	-	-
6,250		144	63	1		●	-	-	-

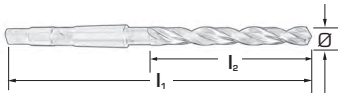
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
6,300		144	63	1		●	-	-	-
6,350	4/14	144	63	1		●	-	-	-
6,400		144	63	1		●	-	-	-
6,500		144	63	1		●	●	-	-
6,600		144	63	1		●	-	-	-
6,700		144	63	1		●	-	-	-
6,746	17/64	150	69	1		●	-	-	-
6,750		150	69	1		●	-	-	-
6,800		150	69	1		●	●	-	-
6,900		150	69	1		●	-	-	-
7,000		150	69	1		●	●	-	-
7,100		150	69	1		●	-	-	-
7,145	9/32	150	69	1		●	-	-	-
7,200		150	69	1		●	-	-	-
7,250		150	69	1		●	-	-	-
7,300		150	69	1		●	-	-	-
7,400		150	69	1		●	-	-	-
7,500		150	69	1		●	-	-	-
7,541	19/64	156	75	1		●	-	-	-
7,600		156	75	1		●	-	-	-
7,700		156	75	1		●	-	-	-
7,750		156	75	1		●	--	-	-
7,800		156	75	1		●	-	-	-
7,900		156	75	1		●	-	-	-
7,938	5/16	156	75	1		●	-	-	-
8,000		156	75	1		●	●	-	-
8,100		156	75	1		●	-	-	-
8,200		156	75	1		●	-	-	-
8,250		156	75	1		●	-	-	-
8,300		156	75	1		●	-	-	-
8,334	21/64	156	75	1		●	-	-	-
8,400		156	75	1		●	-	-	-
8,500		156	75	1		●	●	-	-
8,600		162	81	1		●	-	-	-
8,700		162	81	1		●	-	-	-
8,733	11/32	162	81	1		●	-	-	-
8,750		162	81	1		●	-	-	-
8,800		162	81	1		●	-	-	-
8,900		162	81	1		●	-	-	-
9,000		162	81	1		●	●	-	-

● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
9,100		162	81	1		●	-	-	-
9,129	23/64	162	81	1		●	-	-	-
9,200		162	81	1		●	-	-	-
9,250		162	81	1		●	-	-	-
9,300		162	81	1		●	-	-	-
9,400		162	81	1		●	-	-	-
9,500		162	81	1		●	●	-	-
9,525	3/8	168	87	1		●	-	-	-
9,600		168	87	1		●	-	-	-
9,700		168	87	1		●	-	-	-
9,750		168	87	1		●	-	-	-
9,800		168	87	1		●	-	-	-
9,900		168	87	1		●	-	-	-
9,921	25/64	168	87	1		●	-	-	-
10,000		168	87	1		●	●	●	●
10,100		168	87	1		●	-	-	-
10,200		168	87	1		●	●	-	●
10,250		168	87	1		●	-	-	-
10,300		168	87	1		●	-	-	-
10,320	13/32	168	87	1		●	-	-	-
10,400		168	87	1		●	-	-	-
10,500		168	87	1		●	●	-	●
10,600		168	87	1		●	-	-	-
10,700		175	94	1		●	-	-	-
10,716	27/64	175	94	1		●	-	-	-
10,750		175	94	1		●	-	-	-
10,800		175	94	1		●	-	-	●
10,900		175	94	1		●	-	-	-
11,000		175	94	1		●	●	●	●
11,100		175	94	1		●	-	-	-
11,113	7/16	175	94	1		●	-	-	-
11,200		175	94	1		●	-	-	●
11,250		175	94	1		●	-	-	-
11,300		175	94	1		●	-	■	-
11,400		175	94	1		●	-	-	-
11,500		175	94	1		●	●	■	●
11,509	29/64	175	94	1		●	-	-	-
11,600		175	94	1		●	-	-	-
11,700		175	94	1		●	-	-	-
11,750		175	94	1		●	-	-	-

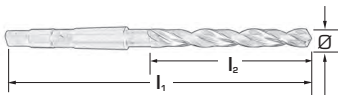
● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
11,800		175	94	1		●	-	-	●
11,900		182	101	1		●	-	-	-
11,908	15/32	182	101	1		●	-	-	-
12,000		182	101	1		●	●	●	●
12,100		182	101	1		●	-	-	-
12,200		182	101	1		●	-	-	●
12,250		182	101	1		●	-	-	-
12,300		182	101	1		●	-	-	-
12,304	31/64	182	101	1		●	-	-	-
12,400		182	101	1		●	-	-	-
12,500		182	101	1		●	●	-	●
12,600		182	101	1		●	-	-	-
12,700		182	101	1		●	-	-	-
12,700	1/2	182	101	1		●	-	-	-
12,750		182	101	1		●	-	-	-
12,800		182	101	1		●	-	-	●
12,900		182	101	1		●	-	-	-
13,000		182	101	1		●	●	●	●
13,096	33/64	182	101	1		●	-	-	-
13,100		182	101	1		●	-	-	-
13,200		182	101	1		●	-	-	●
13,250		189	108	1		●	-	-	-
13,300		189	108	1		●	-	■	-
13,400		189	108	1		●	-	-	-
13,495	17/32	189	108	1		●	-	-	-
13,500		189	108	1		●	●	-	●
13,600		189	108	1		●	-	-	-
13,700		189	108	1		●	-	-	-
13,750		189	108	1		●	-	-	-
13,800		189	108	1		●	-	-	-
13,891	35/64	189	108	1		●	-	-	-
13,900		189	108	1		●	-	-	-
14,000		189	108	1		●	●	●	●
14,100		212	114	2		●	-	-	-
14,200		212	114	2		●	-	-	-
14,250		212	114	2		●	-	-	-
14,288	9/16	212	114	2		●	-	-	-
14,300		212	114	2		●	-	-	-
14,400		212	114	2		●	-	-	-
14,500		212	114	2		●	●	-	●

● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
14,600		212	114	2		●	-	-	-
14,684	37/64	212	114	2		●	-	-	-
14,700		212	114	2		●	-	-	-
14,750		212	114	2		●	-	-	-
14,800		212	114	2		●	-	-	-
14,900		212	114	2		●	-	-	-
15,000		212	114	2		●	●	●	●
15,083	19/32	218	120	2		●	-	-	-
15,100		218	120	2		●	-	-	-
15,200		218	120	2		●	-	-	-
15,250		218	120	2		●	-	-	●
15,300		218	120	2		●	-	-	-
15,400		218	120	2		●	-	-	-
15,479	39/64	218	120	2		●	-	-	-
15,500		218	120	2		●	●	-	●
15,600		218	120	2		●	-	-	-
15,700		218	120	2		●	-	-	-
15,750		218	120	2		●	-	-	-
15,800		218	120	2		●	-	-	-
15,875	5/8	218	120	2		●	-	-	-
15,900		218	120	2		●	-	-	-
16,000		218	120	2		●	●	●	●
16,100		223	125	2		●	-	-	-
16,200		223	125	2		●	-	-	-
16,250		223	125	2		●	-	-	-
16,271	41/64	223	125	2		●	-	-	-
16,300		223	125	2		●	-	-	-
16,400		223	125	2		●	-	-	-
16,500		223	125	2		●	●	-	●
16,600		223	125	2		●	-	-	-
16,670	21/32	223	125	2		●	-	-	-
16,700		223	125	2		●	-	-	-
16,750		223	125	2		●	-	-	-
16,800		223	125	2		●	-	-	-
16,900		223	125	2		●	-	-	-
17,000		223	125	2		●	●	●	●
17,066	43/64	228	130	2		●	-	-	-
17,100		228	130	2		●	-	-	-
17,200		228	130	2		●	-	-	-
17,250		228	130	2		●	-	-	-

● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
17,300		228	130	2		●	-	-	-
17,400		228	130	2		●	-	-	-
17,463	11/16	228	130	2		●	-	-	-
17,500		228	130	2		●	●	-	●
17,600		228	130	2		●	-	-	-
17,700		228	130	2		●	-	-	-
17,750		228	130	2		●	-	-	●
17,800		228	130	2		●	-	-	-
17,859	45/64	228	130	2		●	-	-	-
17,900		228	130	2		●	-	-	-
18,000		228	130	2		●	●	●	●
18,100		233	135	2		●	-	-	-
18,200		233	135	2		●	-	-	-
18,250		233	135	2		●	-	-	-
18,258	23/32	233	135	2		●	-	-	-
18,300		233	135	2		●	-	-	-
18,400		233	135	2		●	-	-	-
18,500		233	135	2		●	●	-	●
18,600		233	135	2		●	-	-	-
18,654	47/64	233	135	2		●	-	-	-
18,700		233	135	2		●	-	-	-
18,750		233	135	2		●	-	-	-
18,800		233	135	2		●	-	-	-
18,900		233	135	2		●	-	-	-
19,000		233	135	2		●	●	●	●
19,050	3/4	238	140	2		●	-	-	-
19,100		238	140	2		●	-	-	-
19,200		238	140	2		●	-	-	-
19,250		238	140	2		●	-	-	-
19,300		238	140	2		●	-	-	-
19,400		238	140	2		●	-	-	-
19,446	49/64	238	140	2		●	-	-	-
19,500		238	140	2		●	●	-	●
19,600		238	140	2		●	-	-	-
19,700		238	140	2		●	-	-	-
19,750		238	140	2		●	-	-	-
19,800		238	140	2		●	-	-	-
19,845	25/32	238	140	2		●	-	-	-
19,900		238	140	2		●	-	-	-
20,000		238	140	2		●	●	●	●

● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
20,100		243	145	2		●	-	-	-
20,200		243	145	2		●	-	-	-
20,241	51/64	243	145	2		●	-	-	-
20,250		243	145	2		●	-	-	-
20,300		243	145	2		●	-	-	-
20,400		243	145	2		●	-	-	-
20,500		243	145	2		●	●	-	●
20,600		243	145	2		●	-	-	-
20,638	13/16	243	145	2		●	-	-	-
20,700		243	145	2		●	-	-	-
20,750		243	145	2		●	-	-	-
20,800		243	145	2		●	-	-	-
20,900		243	145	2		●	-	-	-
21,000		243	145	2		●	●	●	●
21,034	53/64	243	145	2		●	-	-	-
21,100		243	145	2		●	-	-	-
21,200		243	145	2		●	-	-	-
21,250		248	150	2		●	-	-	-
21,300		248	150	2		●	-	-	-
21,400		248	150	2		●	-	-	-
21,433	27/32	248	150	2		●	-	-	-
21,500		248	150	2		●	●	-	-
21,600		248	150	2		●	-	-	-
21,700		248	150	2		●	-	-	-
21,750		248	150	2		●	-	-	-
21,800		248	150	2		●	-	-	-
21,829	55/64	248	150	2		●	-	-	-
21,900		248	150	2		●	-	-	-
22,000		248	150	2		●	●	●	●
22,100		248	150	2		●	-	-	-
22,200		248	150	2		●	-	-	-
22,225	7/8	248	150	2		●	-	-	-
22,250		248	150	2		●	-	-	-
22,300		248	150	2		●	-	-	-
22,400		248	150	2		●	-	-	-
22,500		253	155	2		●	●	-	●
22,600		253	155	2		●	-	-	-
22,621	57/64	253	155	2		●	-	-	-
22,700		253	155	2		●	-	-	-
22,750		253	155	2		●	-	-	-

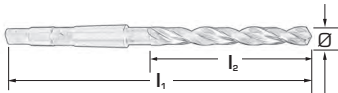
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
22,800		253	155	2		●	-	-	-
22,900		253	155	2		●	-	-	-
23,000		253	155	2		●	●	●	●
23,020	29/32	253	155	2		●	-	-	-
23,250		276	155	3		●	-	-	-
23,416	59/64	276	155	3		●	-	-	-
23,500		276	155	3		●	-	-	-
23,750		281	160	3		●	-	-	-
23,813	15/16	281	160	3		●	-	-	-
24,000		281	160	3		●	●	●	●
24,209	61/64	281	160	3		●	-	-	-
24,250		281	160	3		●	-	-	-
24,500		281	160	3		●	-	-	●
24,608	31/32	281	160	3		●	-	-	-
24,750		281	160	3		●	-	-	-
25,000		281	160	3		●	●	●	●
25,004	63/64	281	160	3		●	-	-	-
25,250		286	165	3		●	-	-	-
25,400	1	286	165	3		●	-	-	-
25,500		286	165	3		●	-	-	-
25,750		286	165	3		●	-	-	-
25,796	1 1/64	286	165	3		●	-	-	-
26,000		286	165	3		●	●	●	●
26,195	1 1/32	286	165	3		●	-	-	-
26,250		286	165	3		●	-	-	-
26,500		286	165	3		●	-	-	-
26,591	1 3/64	291	170	3		●	-	-	-
26,750		291	170	3		●	-	-	-
26,988	1 1/16	291	170	3		●	-	-	-
27,000		291	170	3		●	●	●	●
27,250		291	170	3		●	-	-	-
27,384	1 5/64	291	170	3		●	-	-	-
27,500		291	170	3		●	-	-	-
27,750		291	170	3		●	-	-	-
27,783	1 3/32	291	170	3		●	-	-	-
28,000		291	170	3		●	●	●	●
28,179	1 7/64	296	175	3		●	-	-	-
28,250		296	175	3		●	-	-	-
28,500		296	175	3		●	-	-	-
28,575	1 1/8	296	175	3		●	-	-	-

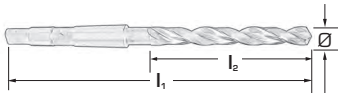
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
28,750		296	175	3		●	-	-	-
28,971	1 9/64	296	175	3		●	-	-	-
29,000		296	175	3		●	●	●	●
29,250		296	175	3		●	-	-	-
29,370	1 5/32	296	175	3		●	-	-	-
29,500		296	175	3		●	-	-	-
29,750		296	175	3		●	-	-	-
29,766	1 11/64	296	175	3		●	-	-	-
30,000		296	175	3		●	●	●	●
30,163	1 3/16	301	180	3		●	-	-	-
30,250		301	180	3		●	-	-	-
30,500		301	180	3		●	-	-	-
30,559	1 13/64	301	180	3		●	-	-	-
30,750		301	180	3		●	-	-	-
30,958	1 7/32	301	180	3		●	-	-	-
31,000		301	180	3		●	-	●	-
31,250		301	180	3		●	-	-	-
31,354	1 15/64	301	180	3		●	-	-	-
31,500		301	180	3		●	-	-	-
31,750		306	185	3		●	-	-	-
31,750	1 1/4	306	185	3		●	-	-	-
32,000		334	185	4		●	-	●	-
32,146	1 17/64	334	185	4		●	-	-	-
32,500		334	185	4		●	-	-	-
32,545	1 9/32	334	185	4		●	-	-	-
32,941	1 19/64	334	185	4		●	-	-	-
33,000		334	185	4		●	-	-	-
33,338	1 5/16	334	185	4		●	-	-	-
33,500		334	185	4		●	-	-	-
33,734	1 21/64	339	190	4		●	-	-	-
34,000		339	190	4		●	-	-	-
34,133	1 11/32	339	190	4		●	-	-	-
34,500		339	190	4		●	-	-	-
34,529	1 23/64	339	190	4		●	-	-	-
34,925	1 3/8	339	190	4		●	-	-	-
35,000		339	190	4		●	-	-	-
35,321	1 25/64	339	190	4		●	-	-	-
35,500		339	190	4		●	-	-	-
35,720	1 13/32	344	195	4		●	-	-	-
36,000		344	195	4		●	-	-	-

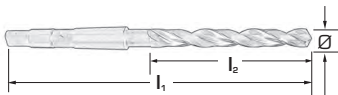
● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT		6168	6168 TN	6201	6212
36,116	1 27/64	344	195	4		●	-	-	-
36,500		344	195	4		●	-	-	-
36,513	1 7/16	344	195	4		●	-	-	-
36,909	1 29/64	344	195	4		●	-	-	-
37,000		344	195	4		●	-	-	-
37,308	1 15/32	344	195	4		●	-	-	-
37,500		344	195	4		●	-	-	-
37,704	1 31/64	349	200	4		●	-	-	-
38,000		349	200	4		●	-	-	-
38,100	1 1/2	349	200	4		●	-	-	-
38,496	1 33/64	349	200	4		●	-	-	-
38,500		349	200	4		●	-	-	-
38,895	1 17/32	349	200	4		●	-	-	-
39,000		349	200	4		●	-	-	-
39,291	1 35/64	349	200	4		●	-	-	-
39,500		349	200	4		●	-	-	-
39,688	1 9/16	349	200	4		●	-	-	-
40,000		349	200	4		●	-	-	-
40,084	1 37/64	354	205	4		●	-	-	-
40,483	1 19/32	354	205	4		●	-	-	-
40,500		354	205	4		●	-	-	-
40,879	1 39/64	354	205	4		●	-	-	-
41,000		354	205	4		●	-	-	-
41,275	1 5/8	354	205	4		●	-	-	-
41,500		354	205	4		●	-	-	-
41,671	1 41/64	354	205	4		●	-	-	-
42,000		354	205	4		●	-	-	-
42,070	1 21/32	354	205	4		●	-	-	-
42,466	1 43/64	354	205	4		●	-	-	-
42,500		354	205	4		●	-	-	-
42,863	1 11/16	359	210	4		●	-	-	-
43,000		359	210	4		●	-	-	-
43,259	1 45/64	359	210	4		●	-	-	-
43,500		359	210	4		●	-	-	-
43,658	1 23/32	359	210	4		●	-	-	-
44,000		359	210	4		●	-	-	-
44,054	1 47/64	359	210	4		●	-	-	-
44,450	1 3/4	359	210	4		●	-	-	-
44,500		359	210	4		●	-	-	-
45,000		359	210	4		●	-	-	-

● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type						N	N	W	STL
Direzione di taglio Cutting direction									
Materiale / Material						HSS	HSS	HSS	HSS
Ø mm h8	Ø "	L ₁ mm	L ₂ mm	CM MT		6168	6168 TN	6201	6212
45,245	1 25/32	364	215	4		●	-	-	-
45,500		364	215	4		●	-	-	-
46,000		364	215	4		●	-	-	-
46,038	1 13/16	364	215	4		●	-	-	-
46,500		364	215	4		●	-	-	-
46,833	1 27/32	364	215	4		●	-	-	-
47,000		364	215	4		●	-	-	-
47,500		364	215	4		●	-	-	-
47,625	1 7/8	369	220	4		●	-	-	-
48,000		369	220	4		●	-	-	-
48,420	1 29/32	369	220	4		●	-	-	-
48,500		369	220	4		●	-	-	-
49,000		369	220	4		●	-	-	-
49,213	1 15/16	369	220	4		●	-	-	-
49,500		369	220	4		●	-	-	-
50,000		369	220	4		●	-	-	-
50,008	1 31/32	374	225	4		●	-	-	-
50,500		374	225	4		●	-	-	-
50,800	2	374	225	4		●	-	-	-
51,000		412	225	5		●	-	-	-
51,500		412	225	5		●	-	-	-
51,595	2 1/32	412	225	5		●	-	-	-
52,000		412	225	5		●	-	-	-
52,388	2 1/16	412	225	5		●	-	-	-
52,500		412	225	5		●	-	-	-
53,000		412	225	5		●	-	-	-
53,183	2 3/32	417	230	5		●	-	-	-
53,500		417	230	5		●	-	-	-
53,975	2 1/8	417	230	5		●	-	-	-
54,000		417	230	5		●	-	-	-
54,500		417	230	5		●	-	-	-
54,770	2 5/32	417	230	5		●	-	-	-
55,000		417	230	5		●	-	-	-
55,500		417	230	5		●	-	-	-
55,563	2 3/16	417	230	5		●	-	-	-
56,000		417	230	5		●	-	-	-
56,358	2 7/32	422	235	5		●	-	-	-
56,500		422	235	5		●	-	-	-
57,000		422	235	5		●	-	-	-
57,150	2 1/4	422	235	5		●	-	-	-

● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



Tipo / Type					N	N	W	STL
Direzione di taglio Cutting direction								
Materiale / Material					HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT	6168	6168 TN	6201	6212
57,500		422	235	5	●	-	-	-
58,000		422	235	5	●	-	-	-
58,500		422	235	5	●	-	-	-
58,738	2 5/16	422	235	5	●	-	-	-
59,000		422	235	5	●	-	-	-
59,500		422	235	5	●	-	-	-
60,000		422	235	5	●	-	-	-
60,325	2 3/8	427	240	5	●	-	-	-
61,000		427	240	5	●	-	-	-
61,913	2 7/16	427	240	5	●	-	-	-
62,000		427	240	5	●	-	-	-
63,000		427	240	5	●	-	-	-
63,500	2 1/2	432	245	5	●	-	-	-
64,000		432	245	5	●	-	-	-
65,000		432	245	5	●	-	-	-
65,088	2 9/16	432	245	5	●	-	-	-
66,000		432	245	5	●	-	-	-
66,675	2 5/8	432	245	5	●	-	-	-
67,000		432	245	5	●	-	-	-
68,000		437	250	5	●	-	-	-
68,263	2 11/16	437	250	5	●	-	-	-
69,000		437	250	5	●	-	-	-
69,850	2 3/4	437	250	5	●	-	-	-
70,000		437	250	5	●	-	-	-
71,000		437	250	5	●	-	-	-
72,000		442	255	5	●	-	-	-
73,000		442	255	5	●	-	-	-
74,000		442	255	5	●	-	-	-
75,000		442	255	5	●	-	-	-
76,000		447	260	5	●	-	-	-
77,000		514	260	6	●	-	-	-
78,000		514	260	6	●	-	-	-
79,000		514	260	6	●	-	-	-
80,000		514	260	6	●	-	-	-
81,000		519	265	6	●	-	-	-
82,000		519	265	6	●	-	-	-
83,000		519	265	6	●	-	-	-
84,000		519	265	6	●	-	-	-
85,000		519	265	6	●	-	-	-
86,000		524	270	6	●	-	-	-

● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS

Twist drills with Morse taper shank
made of HSS



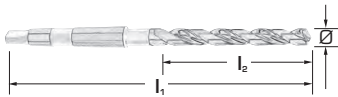
Tipo / Type					N	N	W	STL
Direzione di taglio Cutting direction								
Materiale/Material					HSS	HSS	HSS	HSS
Ø mm h8	Ø "	l ₁ mm	l ₂ mm	CM MT	6168	6168 TN	6201	6212
90,000		524	270	6	●	-	-	-
95,000		529	275	6	●	-	-	-
100,000		534	280	6	●	-	-	-

● Utensile disponibile a magazzino / Items available ex stock



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS-Co
Twist drills with Morse taper shank
made of HSS



Tipo / Type				VA	HD	NS
Direzione di taglio Cutting direction						
Materiale/Material				HSS-Co	HSS-Co	HSS-Co
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6114	6115	6204
10,00	168	87	1	●	●	●
10,20	168	87	1	●	●	●
10,50	168	87	1	●	●	●
10,80	175	94	1	●	●	●
11,00	175	94	1	●	●	●
11,20	175	94	1	●	●	●
11,50	175	94	1	●	●	●
11,80	175	94	1	●	●	●
12,00	182	101	1	●	●	●
12,20	182	101	1	●	●	●
12,50	182	101	1	●	●	●
12,80	182	101	1	●	●	●
13,00	182	101	1	●	●	●
13,20	182	101	1	●	●	●
13,50	189	108	1	●	●	●
13,80	189	108	1	●	●	●
14,00	189	108	1	●	●	●
14,25	212	114	2	●	●	●
14,50	212	114	2	●	●	●
14,75	212	114	2	●	●	●
15,00	212	114	2	●	●	●
15,25	218	120	2	●	●	●
15,50	218	120	2	●	●	●
15,75	218	120	2	●	●	●
16,00	218	120	2	●	●	●
16,25	223	125	2	●	●	●
16,50	223	125	2	●	●	●
16,75	223	125	2	●	●	●
17,00	223	125	2	●	●	●
17,25	228	130	2	●	●	●
17,50	228	130	2	●	●	●
17,75	228	130	2	●	●	●
18,00	228	130	2	●	●	●
18,25	233	135	2	●	●	●
18,50	233	135	2	●	●	●
18,75	233	135	2	●	●	●
19,00	233	135	2	●	●	●
19,25	238	140	2	●	●	●
19,50	238	140	2	●	●	●
19,75	238	140	2	●	●	●

Tipo / Type				VA	HD	NS
Direzione di taglio Cutting direction						
Materiale/Material				HSS-Co	HSS-Co	HSS-Co
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6114	6115	6204
20,00	238	140	2	●	●	●
20,25	243	145	2	●	●	●
20,50	243	145	2	●	●	●
20,75	243	145	2	●	●	●
21,00	243	145	2	●	●	●
21,25	248	150	2	●	●	●
21,50	248	150	2	●	●	●
21,75	248	150	2	●	●	●
22,00	248	150	2	●	●	●
22,25	248	150	2	●	●	●
22,50	253	155	2	●	●	●
22,75	253	155	2	●	●	●
23,00	253	155	2	●	●	●
23,50	276	155	3	●	●	●
24,00	281	160	3	●	●	●
24,50	281	160	3	●	●	●
25,00	281	160	3	●	●	●
25,50	286	165	3	●	●	●
26,00	286	165	3	●	●	●
26,50	286	165	3	●	●	●
27,00	291	170	3	●	●	●
27,50	291	170	3	●	●	●
28,00	291	170	3	●	●	●
28,25	296	175	3	■	-	-
28,50	296	175	3	●	●	●
29,00	296	175	3	●	●	●
29,50	296	175	3	●	●	●
30,00	296	175	3	●	●	●
30,50	301	180	3	●	●	●
30,75	301	180	3	■	●	●
31,00	301	180	3	●	●	●
31,50	301	180	3	●	●	●
32,00	334	185	4	●	●	●
32,50	334	185	4	-	●	-
33,00	334	185	4	-	●	-
33,50	334	185	4	-	●	-
34,00	339	190	4	-	●	-
34,50	339	190	4	-	●	-
35,00	339	190	4	-	●	-
36,00	344	195	4	-	●	-
37,00	344	195	4	-	●	-

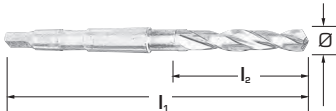
● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte / discontinued items



SERIE CORTA / JOBBER LENGTH SERIES

Punte con attacco conico in HSS-Co

Twist drills with Morse taper shank made of HSS



Tipo / Type				NS
Direzione di taglio Cutting direction				
Materiale/Material				HSS-Co
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6240
10,0	138	57	1	●
10,5	138	57	1	●
11,0	142	61	1	●
11,5	142	61	1	●
12,0	147	66	1	●
12,5	147	66	1	●
13,0	147	66	1	●
13,5	168	70	2	●
14,0	168	70	2	●
14,5	172	74	2	●
15,0	172	74	2	●
15,5	176	78	2	●
16,0	176	78	2	●
16,5	179	81	2	●
17,0	179	81	2	●
17,5	183	85	2	●
18,0	183	85	2	●
18,5	186	88	2	●
19,0	186	88	2	●
19,5	212	91	3	●
20,0	212	91	3	●
21,0	216	95	3	●
22,0	219	98	3	●
23,0	222	101	3	●
24,0	225	104	3	●
25,0	225	104	3	●
26,0	256	107	4	●
27,0	259	110	4	●
28,0	259	110	4	●
29,0	263	114	4	●
30,0	263	114	4	●

Tipo / Type				NS
Direzione di taglio Cutting direction				
Materiale/Material				HSS-Co
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6240

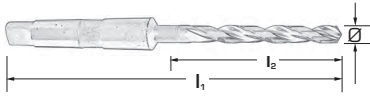
● Utensile disponibile a magazzino / Items available ex stock



DIN 346





Punte con attacco conico maggiorato in HSS e HSS-Co

Twist drills with oversize shank
made of HSS and HSS-Co



Tipo / Type				N	VA
Direzione di taglio Cutting direction					
Materiale/Material				HSS	HSS-Co
\emptyset mm h8	l_1 mm	l_2 mm	CM MT	6176	6116
10,00	185	87	2	●	-
10,50	185	87	2	●	-
11,00	192	94	2	●	-
11,50	192	94	2	●	-
11,80	192	94	2	●	-
12,00	199	101	2	●	●
12,20	199	101	2	●	-
12,50	199	101	2	●	●
12,80	199	101	2	●	■
13,00	199	101	2	●	●
13,20	199	101	2	●	-
13,50	206	108	2	●	●
13,75	206	108	2	●	-
13,80	206	108	2	●	-
14,00	206	108	2	●	●
17,00	246	125	3	●	-
17,50	251	130	3	●	-
18,00	251	130	3	●	-
18,50	256	135	3	●	-
18,75	256	135	3	●	-
19,00	256	135	3	●	-
19,25	261	140	3	●	-
19,50	261	140	3	●	-
19,75	261	140	3	●	-
20,00	261	140	3	●	●
20,25	266	145	3	●	-
20,50	266	145	3	●	-
20,75	266	145	3	●	-
21,00	266	145	3	●	●
21,25	271	150	3	●	-
21,50	271	150	3	●	-
21,75	271	150	3	●	-
22,00	271	150	3	●	●
22,25	271	150	3	●	-
22,50	276	155	3	●	-
22,75	276	155	3	●	-
23,00	276	155	3	●	●
26,00	314	165	4	●	-
26,50	314	165	4	●	-
27,00	319	170	4	●	-

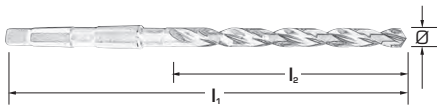
Tipo / Type				N	VA
Direzione di taglio Cutting direction					
Materiale/Material				HSS	HSS-Co
\emptyset mm h8	l_1 mm	l_2 mm	CM MT	6176	6116
27,50	319	170	4	●	-
28,00	319	170	4	●	-
28,50	324	175	4	●	■
29,00	324	175	4	●	-
29,50	324	175	4	●	■
30,00	324	175	4	●	-
30,50	329	180	4	●	-
31,00	329	180	4	●	-
31,50	329	180	4	●	-
41,00	329	205	5	●	-
42,00	329	205	5	●	-
43,00	397	210	5	●	-
44,00	397	210	5	●	-
45,00	397	210	5	●	-
46,00	402	215	5	●	-
47,00	402	215	5	●	-
48,00	407	220	5	●	-
49,00	407	220	5	●	-
50,00	407	220	5	●	-

● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte / discontinued items



SERIE LUNGA / LONG SERIES

Punte con attacco conico in HSS e HSS-Co
Twist drills with Morse taper shank
made of HSS and HSS-Co



Tipo / Type				N	STL	STL
Direzione di taglio Cutting direction						
Materiale/Material				HSS	HSS	HSS-Co
Ø mm h8	l ₁ mm	l ₂ mm	CM MT	6233	6222	6119
5,00	155	74	1	●	-	-
5,50	161	80	1	●	-	-
6,00	161	80	1	●	-	-
6,50	167	86	1	●	-	-
6,80	174	93	1	●	-	-
7,00	174	93	1	●	-	-
7,50	174	93	1	●	-	-
8,00	181	100	1	●	-	-
8,10	181	100	1	●	-	-
8,20	181	100	1	●	-	-
8,25	181	100	1	●	-	-
8,30	181	100	1	●	-	-
8,40	181	100	1	●	-	-
8,50	181	100	1	●	-	-
8,60	188	107	1	●	-	-
8,70	188	107	1	●	-	-
8,75	188	107	1	●	-	-
8,80	188	107	1	●	-	-
8,90	188	107	1	●	-	-
9,00	188	107	1	●	-	-
9,10	188	107	1	●	-	-
9,20	188	107	1	●	-	-
9,25	188	107	1	●	-	-
9,30	188	107	1	●	-	-
9,40	188	107	1	●	-	-
9,50	188	107	1	●	-	-
9,60	197	116	1	●	-	-
9,70	197	116	1	●	-	-
9,75	197	116	1	●	-	-
9,80	197	116	1	●	-	-
9,90	197	116	1	●	-	-
10,00	197	116	1	●	●	●
10,10	197	116	1	●	-	-
10,20	197	116	1	●	●	-
10,25	197	116	1	●	-	-
10,30	197	116	1	●	-	-
10,40	197	116	1	●	-	-
10,50	197	116	1	●	●	●
10,60	197	116	1	●	-	-
10,70	206	125	1	●	-	-

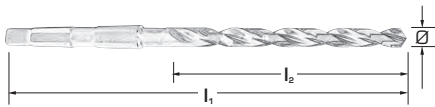
Tipo / Type				N	STL	STL
Direzione di taglio Cutting direction						
Materiale/Material				HSS	HSS	HSS-Co
Ø mm h8	l ₁ mm	l ₂ mm	CM MT	6233	6222	6119
10,75	206	125	1	●	-	-
10,80	206	125	1	●	●	-
10,90	206	125	1	●	-	-
11,00	206	125	1	●	●	●
11,10	206	125	1	●	-	-
11,20	206	125	1	●	●	-
11,25	206	125	1	●	-	-
11,30	206	125	1	●	-	-
11,40	206	125	1	●	-	-
11,50	206	125	1	●	●	●
11,60	206	125	1	●	-	-
11,70	206	125	1	●	-	-
11,75	206	125	1	●	-	-
11,80	206	125	1	●	●	-
11,90	215	134	1	●	-	-
12,00	215	134	1	●	●	●
12,10	215	134	1	●	-	-
12,20	215	134	1	●	●	-
12,25	215	134	1	●	-	-
12,30	215	134	1	●	-	-
12,40	215	134	1	●	-	-
12,50	215	134	1	●	●	●
12,60	215	134	1	●	-	-
12,70	215	134	1	●	-	-
12,75	215	134	1	●	■	-
12,80	215	134	1	●	●	-
12,90	215	134	1	●	-	-
13,00	215	134	1	●	●	●
13,10	215	134	1	●	-	-
13,20	215	134	1	●	●	-
13,25	223	142	1	●	-	-
13,50	223	142	1	●	●	●
13,75	223	142	1	●	-	-
13,80	223	142	1	●	●	-
13,90	223	142	1	●	-	-
14,00	223	142	1	●	●	●
14,25	245	147	2	●	●	-
14,50	245	147	2	●	●	-
14,75	245	147	2	●	●	-
15,00	245	147	2	●	●	●

● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte / discontinued items



SERIE LUNGA / LONG SERIES

Punte con attacco conico in HSS e HSS-Co
Twist drills with Morse taper shank
made of HSS and HSS-Co



Tipo / Type				N	STL	STL
Direzione di taglio Cutting direction						
Materiale/Material				HSS	HSS	HSS-Co
Ø mm h8	l ₁ mm	l ₂ mm	CM MT	6233	6222	6119
15,25	251	153	2	●	●	-
15,50	251	153	2	●	●	-
15,75	251	153	2	●	●	-
16,00	251	153	2	●	●	●
16,25	257	159	2	●	●	-
16,50	257	159	2	●	●	-
16,75	257	159	2	●	●	-
17,00	257	159	2	●	●	●
17,25	263	165	2	●	●	-
17,50	263	165	2	●	●	-
17,75	263	165	2	●	●	-
18,00	263	165	2	●	●	●
18,25	269	171	2	●	●	-
18,50	269	171	2	●	●	-
18,75	269	171	2	●	●	-
19,00	269	171	2	●	●	●
19,25	275	177	2	●	●	-
19,50	275	177	2	●	●	-
19,75	275	177	2	●	●	-
20,00	275	177	2	●	●	●
20,25	282	184	2	●	-	-
20,50	282	184	2	●	●	-
20,75	282	184	2	●	-	-
21,00	282	184	2	●	●	●
21,25	289	191	2	●	-	-
21,50	289	191	2	●	●	-
21,75	289	191	2	●	-	-
22,00	289	191	2	●	●	●
22,25	289	191	2	●	-	-
22,50	296	198	2	●	●	-
22,75	296	198	2	●	-	-
23,00	296	198	2	●	●	●
23,50	319	198	3	●	●	-
24,00	327	206	3	●	●	●
24,50	327	206	3	●	●	-
25,00	327	206	3	●	●	●
25,50	335	214	3	●	-	-
26,00	335	214	3	●	●	●
26,50	335	214	3	●	-	-
27,00	343	222	3	●	●	●

Tipo / Type				N	STL	STL
Direzione di taglio Cutting direction						
Materiale/Material				HSS	HSS	HSS-Co
Ø mm h8	l ₁ mm	l ₂ mm	CM MT	6233	6222	6119
27,50	343	222	3	●	-	-
28,00	343	222	3	●	●	●
28,50	351	230	3	●	■	-
29,00	351	230	3	●	●	●
29,50	351	230	3	●	-	-
30,00	351	230	3	●	●	●
30,50	360	239	3	●	-	-
31,00	360	239	3	●	●	●
31,50	360	239	3	●	-	-
32,00	397	248	4	●	-	-
32,50	397	248	4	●	-	-
33,00	397	248	4	●	-	-
33,50	397	248	4	●	-	-
34,00	406	257	4	●	-	-
34,50	406	257	4	●	-	-
35,00	406	257	4	●	-	-
35,50	406	257	4	●	-	-
36,00	416	267	4	●	-	-
36,50	416	267	4	●	-	-
37,00	416	267	4	●	-	-
37,50	416	267	4	●	-	-
38,00	426	277	4	●	-	-
38,50	426	277	4	●	-	-
39,00	426	277	4	●	-	-
39,50	426	277	4	●	-	-
40,00	426	277	4	●	-	-
41,00	436	287	4	●	-	-
42,00	436	287	4	●	-	-
43,00	447	298	4	●	-	-
44,00	447	298	4	●	-	-
45,00	447	298	4	●	-	-
46,00	459	310	4	●	-	-
47,00	459	310	4	●	-	-
48,00	470	321	4	●	-	-
49,00	470	321	4	●	-	-
50,00	470	321	4	●	-	-

● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA LUNGA / EXTRA LONG SERIES

Punte con attacco conico in HSS e HSS-Co
Twist drills with Morse taper shank
made of HSS and HSS-Co



Tipo / Type				N	STL	STL
Direzione di taglio Cutting direction						
Materiale/Material				HSS	HSS	HSS-Co
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6220/1	6221/1	6219/1
8,0	265	165	1	●	-	-
8,5	265	165	1	●	-	-
9,0	275	175	1	●	-	-
9,5	275	175	1	●	-	-
10,0	285	185	1	●	-	-
10,5	285	185	1	●	-	■
11,0	300	195	1	●	-	-
11,5	300	195	1	●	-	-
12,0	310	205	1	●	●	●
12,5	310	205	1	●	●	●
13,0	310	205	1	●	●	●
13,5	325	220	1	●	●	●
14,0	325	220	1	●	●	●
14,5	340	220	2	●	●	●
15,0	340	220	2	●	●	●
15,5	355	230	2	●	●	●
16,0	355	230	2	●	●	●
16,5	355	230	2	●	●	●
17,0	355	230	2	●	●	●
17,5	370	245	2	●	●	●
18,0	370	245	2	●	●	●
18,5	370	245	2	●	●	●
19,0	370	245	2	●	●	●
19,5	385	260	2	●	●	●
20,0	385	260	2	●	●	●
20,5	385	260	2	●	-	-
21,0	385	260	2	●	●	●
21,5	405	270	2	●	-	-
22,0	405	270	2	●	●	●
22,5	405	270	2	●	-	-
23,0	405	270	2	●	●	●
23,5	425	270	3	●	-	-
24,0	440	290	3	●	●	●
24,5	440	290	3	●	-	-
25,0	440	290	3	●	●	●
25,5	440	290	3	●	-	-
26,0	440	290	3	●	●	●
26,5	440	290	3	●	-	-
27,0	460	305	3	●	●	●
28,0	460	305	3	●	●	●

Tipo / Type				N	STL	STL
Direzione di taglio Cutting direction						
Materiale/Material				HSS	HSS	HSS-Co
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6220/1	6221/1	6219/1
29,0	460	305	3	●	●	●
29,5	460	305	3	●	-	-
30,0	460	305	3	●	●	●
31,0	480	320	3	●	-	-
32,0	505	320	4	●	-	-
33,0	505	320	4	●	-	-
34,0	530	340	4	●	-	-
35,0	530	340	4	●	-	-
36,0	530	340	4	●	-	-
37,0	530	340	4	●	-	-
38,0	555	360	4	●	-	-
39,0	555	360	4	●	-	-
40,0	555	360	4	●	-	-
41,0	555	360	4	●	-	-
42,0	555	360	4	●	-	-
45,0	585	385	4	●	-	-
48,0	605	405	4	●	-	-
50,0	605	405	4	●	-	-

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



SERIE EXTRA LUNGA / EXTRA LONG SERIES

Punte con attacco conico in HSS e HSS-Co

Twist drills with Morse taper shank
made of HSS and HSS-Co



Tipo / Type				N	STL	STL
Direzione di taglio Cutting direction						
Materiale/Material				HSS	HSS	HSS-Co
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6220/2	6221/2	6219/2
8,0	330	210	1	●	●	-
8,5	330	210	1	●	●	-
9,0	345	220	1	●	●	-
9,5	345	220	1	●	-	-
10,0	360	235	1	●	●	●
10,5	360	235	1	●	●	●
11,0	375	250	1	●	●	●
11,5	375	250	1	●	●	●
12,0	395	260	1	●	●	●
12,5	395	260	1	●	●	●
13,0	395	260	1	●	●	●
13,5	410	275	1	●	●	●
14,0	410	275	1	●	●	●
14,5	425	275	2	●	●	●
15,0	425	275	2	●	●	●
15,5	445	295	2	●	●	●
16,0	445	295	2	●	●	●
16,5	445	295	2	●	●	●
17,0	445	295	2	●	●	●
17,5	465	310	2	●	●	●
18,0	465	310	2	●	●	●
18,5	465	310	2	●	●	●
19,0	465	310	2	●	●	●
19,5	490	325	2	●	●	●
20,0	490	325	2	●	●	●
20,5	490	325	2	●	-	■
21,0	490	325	2	●	●	●
21,5	515	345	2	●	-	-
22,0	515	345	2	●	●	●
22,5	515	345	2	●	-	-
23,0	515	345	2	●	●	●
23,5	535	345	3	●	-	-
24,0	555	365	3	●	●	●
24,5	555	365	3	●	-	-
25,0	555	365	3	●	●	●
25,5	555	365	3	●	-	-
26,0	555	365	3	●	●	●
26,5	555	365	3	●	-	-
27,0	580	385	3	●	●	●
27,5	580	385	3	■	-	-

Tipo / Type				N	STL	STL
Direzione di taglio Cutting direction						
Materiale/Material				HSS	HSS	HSS-Co
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6220/2	6221/2	6219/2
28,0	580	385	3	●	●	●
28,5	580	385	3	■	-	-
29,0	580	385	3	●	●	●
29,5	580	385	3	●	-	-
30,0	580	385	3	●	●	●
31,0	610	410	3	●	●	-
32,0	635	410	4	●	●	-
33,0	635	410	4	●	●	-
34,0	665	430	4	●	●	-
35,0	665	430	4	●	●	-
36,0	665	430	4	●	-	-
37,0	665	430	4	●	-	-
38,0	695	460	4	●	●	-
39,0	695	460	4	●	-	-
40,0	695	460	4	●	●	-
41,0	695	460	4	●	-	-
42,0	695	460	4	●	-	-
45,0	735	490	4	●	-	-
48,0	765	510	4	●	-	-
50,0	765	510	4	●	-	-

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



LUNGHEZZA SPECIALI / SUPERLONG LENGTH

Punte con attacco conico in HSS

Twist drills with Morse taper shank made of HSS



Tipo / Type				STL
Direzione di taglio Cutting direction				
Materiale/Material				HSS
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6150
10,0	500	410	1	●
11,0	500	410	1	●
12,0	500	410	1	●
13,0	500	410	1	●
14,0	500	410	1	●
14,0	600	490	1	●
14,0	750	640	1	●
14,0	1000	840	2	●
15,0	600	490	2	●
15,0	750	640	2	●
15,0	1000	840	2	●
16,0	600	490	2	●
16,0	750	640	2	●
16,0	1000	840	2	●
18,0	600	490	2	●
18,0	750	640	2	●
18,0	1000	840	2	●
20,0	600	490	2	●
21,0	600	490	2	●
22,0	600	490	2	●

Tipo / Type				STL
Direzione di taglio Cutting direction				
Materiale/Material				HSS
Ø mm h8	L ₁ mm	L ₂ mm	CM MT	6150

In fase di ordinazione specificare sempre il diametro e la lunghezza totale L₁
When ordering, please state Ø and total length L₁

● Utensile disponibile a magazzino / Items available ex stock

DIN 8378

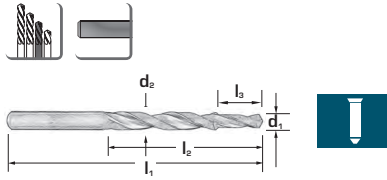


Punte a gradino con attacco cilindrico in HSS

Angolo di svasatura: 90°

Subland drills with straight shank
made of HSS

Included angle 90°



Angolo di svasatura / Included angle

90°

Direzione di taglio
Cutting direction



Materiale / Material

HSS

Ø mm per filettatura for thread-Ø	d ₂ mm	x	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	6282
M 3	3,4	X	2,5	70	39	8,8	●
M 4	4,5	X	3,3	80	47	11,4	●
M 5	5,5	X	4,2	93	57	13,6	●
M 6	6,6	X	5,0	101	63	16,5	●
M 8	9,0	X	6,8	125	81	21,0	●
M 10	11,0	X	8,5	142	94	25,5	●
M 12	13,5	X	10,2	160	108	30,0	●

Per prefiori di filettature **DIN 336/1** e svasature di fori passanti secondo **DIN-ISO 273**
For drilling tapping size holes acc. to **DIN 336, part 1** and counterbores corresponding to through holes acc.
to **DIN-ISO 273**

● Utensile disponibile a magazzino / Items available ex stock



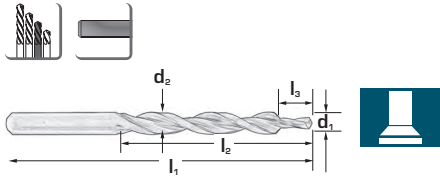
Punte a gradino con attacco cilindrico in HSS

Angolo di svasatura: 90°

Subland drills with straight shank

made of HSS

Included angle 90°



Angolo di svasatura / Included angle								90°
Direzione di taglio Cutting direction								
Materiale / Material								HSS
Ø mm per filettatura for thread-Ø	d ₂ mm	x	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	6281	
M 3	6,0	X	3,2	93	57	9	●	
M 4	8,0	X	4,3	117	75	11	●	
M 5	10,0	X	5,3	133	87	13	●	
M 6	11,5	X	6,4	142	94	15	●	
M 8	15,0	X	8,4	169	114	19	●	
M 10	19,0	X	10,5	198	135	23	●	
Misure addizionali / additional sizes								
M 3	6,6	X	3,4	101	63	9	●	
M 4	9,0	X	4,5	125	81	11	●	

Forma A, esecuzione "Fine"

per fori passanti secondo DIN-ISO 273 e per alloggiamenti teste viti

Forma A secondo DIN 74 parte 1 per viti secondo DIN 963 - 964 - 965 - 966 - 7513 (F e G) - 7516 (D e E)

Form A, fine grade

For clearance holes acc. to DIN-ISO 273 and counterisink holes acc. to DIN 74, part 1.

For screws acc. to DIN 963 - 964 - 965 - 966 - 7513 (F and G) - 7516 (D and E)

Forma B, esecuzione "Media"

per fori passanti secondo DIN-ISO 273 e per alloggiamenti teste viti

Forma A e B secondo DIN 74 parte 1 per viti DIN 7991

Form B, medium grade

For clearance holes acc. to DIN-ISO 273 and counterisink holes acc. to DIN 74, part 1. For screws acc. to DIN 7991



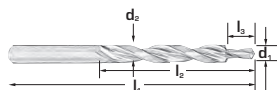
Punte a gradino con attacco cilindrico in HSS

Angolo di svasatura: 180°

Subland drills with straight shank

made of HSS

Included angle 180°



Angolo di svasatura / Included angle

180°

Direzione di taglio
Cutting direction



Materiale / Material

HSS

Ø mm per filettatura for thread-Ø	d ₂ mm	x	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	6283
M 3	6,0	X	3,4	93	57	9	●
M 4	8,0	X	4,5	117	75	11	●
M 5	10,0	X	5,5	133	87	13	●
M 6	11,0	X	6,6	142	94	15	●
M 8	15,0	X	9,0	169	114	19	●
M 10	18,0	X	11,0	191	130	23	●
Misure addizionali / additional sizes							
M 3	6,0	X	3,2	93	57	9	●

Forma H, J, K, H 3, J 3, K 3, esecuzione "Media"

per fori passanti secondo DIN-ISO 273 e per alloggiamenti teste viti secondo DIN 74 parte 2 per viti DIN 84 - 912 - 6912 - 7513 - 7984

Form H, J, K, H 3, J 3, K 3, medium grade

For through holes acc. to DIN-ISO 273 and socket screwheads countersinks acc. to DIN 74, part 2, for screws to DIN 84 - 912 - 6912 - 7513 - 7984

esecuzione "Fine" / Fine grade

● Utensile disponibile a magazzino / Items available ex stock

DIN 8379



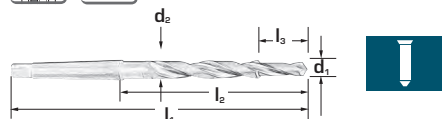
Punte a gradino con attacco cilindrico in HSS

Angolo di svasatura: 90°

Subland drills with straight shank

made of HSS

Included angle 90°



Angolo di svasatura / Included angle

90°

Direzione di taglio
Cutting direction



Materiale/Material

HSS

Ø mm per filettatura for thread-Ø	d ₂ mm	x	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	6285
M 8	9,0	X	6,8	162	81	21,0	●
M 10	11,0	X	8,5	175	94	25,5	●
M 12	13,5	X	10,2	189	108	30,0	●
M 14	15,5	X	12,0	218	120	34,5	●
M 16	17,5	X	14,0	228	130	38,5	●
M 18	20,0	X	15,5	238	140	43,5	●
M 20	22,0	X	17,5	248	150	47,5	●

Per prefiori di filettature **DIN 336/1** e svasature di fori passanti secondo **DIN-ISO 273**
For drilling tapping size holes acc. to **DIN 336, part 1** and counterbores corresponding to through holes acc. to **DIN-ISO 273**

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



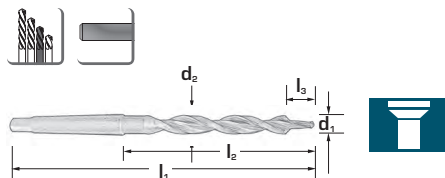
Punte a gradino con attacco conico in HSS

Angolo di svasatura 90°

Subland drills with Morse taper shank

made of HSS

Included angle 90°



Angolo di svasatura / Included angle

90°

Direzione di taglio
Cutting direction



Materiale / Material

HSS

Ø mm per filettatura for thread-Ø	d ₂ mm	x	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	CM MT	6284
M 5	11,0	X	5,5	175	94	13	1	●
M 6	13,0	X	6,6	182	101	15	1	●
M 8	17,2	X	9,0	228	130	19	2	●
M 10	21,5	X	11,0	248	150	23	2	●
Misure addizionali / additional sizes								
M 12	26,0	X	14,0	286	165	27	3	●
M 14	29,0	X	16,0	296	175	31	3	●
Misure addizionali / additional sizes								
M 6	11,0	X	6,4	175	94	15	1	●
M 6	11,5	X	6,4	175	94	15	1	●
M 8	15,0	X	8,4	212	114	19	2	●
M 10	19,0	X	10,5	233	135	23	2	●
M 12	23,0	X	13,0	253	155	27	2	●
M 14	26,0	X	15,0	286	165	31	3	●
M 16	30,0	X	17,0	296	175	35	3	●

Forma A e B, esecuzione "Media"

per fori passanti secondo DIN-ISO 273 e per alloggiamenti teste viti secondo DIN 74 parte 1 per viti secondo DIN 963 - 964 - 965 - 966 - 7513 (F e G) - 7516 (D e E) - 7991

Form A und B, medium grade

For through holes acc. to DIN-ISO 273 and screwheads to DIN 74, part 1, for screws to DIN 963 - 964 - 965 - 966 - 7513 (F and G) 7516 (D and E) - 7991

Forma B, esecuzione "Media"

per fori passanti secondo DIN-ISO 273 e per alloggiamenti teste viti secondo DIN 74 parte 1 per viti secondo DIN 7991

Form B, medium grade

For through holes acc. to DIN-ISO 273 and screwhead countersinks acc. to DIN 74, part 1, for countersunk screws acc. to DIN 7991

Forma A, esecuzione "Fine"

per fori passanti secondo DIN-ISO 273 e per alloggiamenti teste viti secondo DIN 74 parte 1 per viti secondo DIN 963 - 964 - 965 - 966 - 7513 (F e G) - 5176 (D e E)

Form A, fine grade

For through holes acc. to DIN-ISO 273 and screwhead countersinks acc. to DIN 74, part 1, for screws acc. to DIN 963 - 964 - 965 - 966 - 7513 (F and G) - 5176 (D und E)



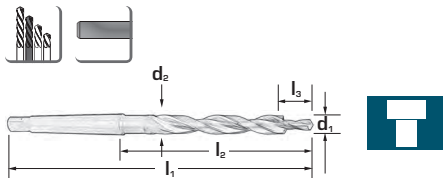
Punte a gradino con attacco conico in HSS

Angolo di svasatura 180°

Subland drills with Morse taper shank

made of HSS

Included angle 180°



Angolo di svasatura / Included angle

180°

Direzione di taglio
Cutting direction



Materiale / Material

HSS

Ø mm per filettatura for thread-Ø	d ₂ mm	x	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	CM MT	6286
M 5	10	X	5,5	168	87	13	1	■
M 6	11	X	6,6	175	94	15	1	■
M 10	18	X	11,0	228	130	23	2	■
M 14	24	X	15,5	281	160	31	3	■
M 14*	24	X	16,0	281	160	31	3	■
M 18	30	X	20,0	296	175	39	3	■
M 20	33	X	22,0	334	185	43	4	■
Misure addizionali / additional sizes								
M 5	10	X	5,3	168	87	13	1	■
M 6	11	X	6,4	175	94	15	1	■
M 10	18	X	10,5	228	130	23	2	■
M 14	24	X	15,0	281	160	31	3	■
M 16	26	X	17,0	186	165	35	3	■

Forma H, J, K esecuzione "Media"

per fori passanti secondo DIN-ISO 273 e per alloggiamenti teste viti secondo DIN 74 parte 2 per viti secondo

DIN 84 - 7513 - 7984 - 6912 - 912

Form H, J, K medium grade

for through holes acc. to DIN-ISO 273 and socket screwhead countersinks acc. to DIN 74, part 2 for screws to

DIN 84 - 7513 - 7984 - 6912 - 912

*Esecuzione non a norme / former standard

■ Fino ad esaurimento scorte / discontinued items

Din 333 A + 333 R



Punte a centrare in HSS, HSS-Co e metallo duro

Form A: Angolo di svasatura 60°

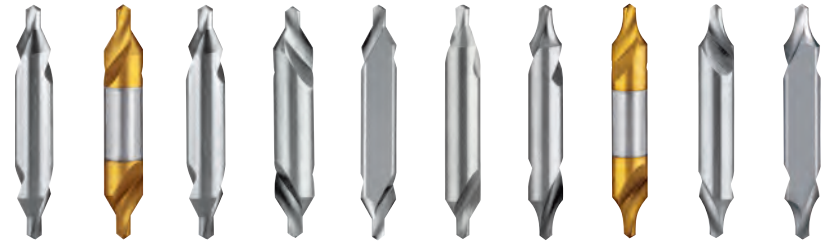
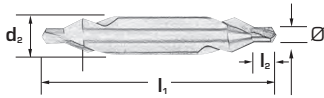
Form R: Raggiate

Centre drills

made of HSS, HSS-Co and VHM

Form A: included angle 60°

Form R: Radius



Tipo / Type	A		A		A		A		A		R		R		R					
Direzione di taglio Cutting direction	↻		↻		↻		↻		↻		↻		↻		↻					
Materiale/Material	HSS		HSS		HSS-Co		HSS		HSS-Co		K10/20		HSS		HSS		HSS		HSS-Co	

Ø mm	d ₁ mm	l ₁ mm	l ₂ mm	6290	6290 TN	6299	6294	6291	6296	6292	6292 TN	6295	6293
0,5*	3,15	20,0	0,6-0,9	●	-	-	●	-	●	●	-	-	-
0,8*	3,15	20,0	1,0-1,3	●	-	-	●	-	●	●	-	-	-
1,00	3,15	31,5	1,3-1,7	●	●	●	●	-	●	●	●	●	-
1,25	3,15	31,5	1,6-2,0	●	●	●	●	-	●	●	●	●	-
1,60	4,00	35,5	2,0-2,6	●	●	●	●	●	●	●	●	●	●
2,00	5,00	40,0	2,5-3,1	●	●	●	●	●	●	●	●	●	●
2,50	6,30	45,0	3,1-3,8	●	●	●	●	●	●	●	●	●	●
3,15	8,00	50,0	3,9-4,6	●	●	●	●	●	●	●	●	●	●
4,00	10,00	56,0	5,0-5,9	●	●	●	●	●	●	●	●	●	●
5,00	12,50	63,0	6,3-7,2	●	●	●	●	●	●	●	●	-	●
6,30	16,00	71,0	8,0-8,9	●	-	-	●	-	●	●	-	-	-
8,00	20,00	80,0	10,1-11,1	●	-	-	-	-	-	●	-	-	-
10,00	25,00	100,0	10,1-11,1	●	-	-	-	-	-	●	-	-	-
12,50	31,50	125,0	16,5-17,5	●	-	-	-	-	-	●	-	-	-

* Ad una sola punta / single end

● Utensile disponibile a magazzino / Items available ex stock



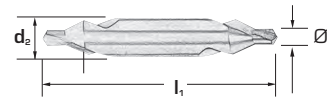
VECCHIE NORME / FORMER STANDARD

Punte a centrare in HSS

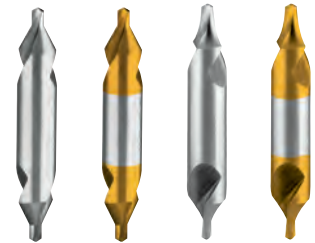
Form A: Angolo di svasatura 60° - **Form R:** Raggiate

Centre drills made of HSS

Form A: included angle 60° - Form R: Radius



Vecchie norme
Former standard



Tipo / Type			A	A	R	R
Direzione di taglio Cutting direction						
Materiale/Material			HSS	HSS	HSS	HSS
Ø mm	d ₂ mm	l ₁ mm	6162	6162 TN	6223	6223 TN
0,63	3,15	25,0	●	●	-	-
0,75	3,50	35,0	●	●	-	-
1,00	4,00	35,5	●	●	●	●
1,50	5,00	40,0	●	●	●	●
1,60	5,00	40,0	●	●	-	-
2,00	6,00	45,0	●	●	●	●
2,00	6,30	45,0	●	●	-	-
2,50	8,00	50,0	●	●	●	●
3,00	8,00	50,0	●	●	-	-
3,00	10,00	56,0	●	●	●	●
3,15	10,00	56,0	●	●	-	-
4,00	12,00	66,0	●	●	●	●
5,00	14,00	69,0	●	●	-	-
6,00	18,00	76,0	●	●	-	-

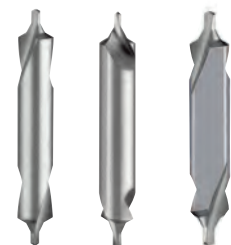
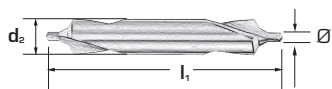
Tipo / Type			A	A	R	R
Direzione di taglio Cutting direction						
Materiale/Material			HSS	HSS	HSS	HSS
Ø mm	d ₂ mm	l ₁ mm	6162	6162 TN	6223	6223 TN

● Utensile disponibile a magazzino / Items available ex stock



Punte a centrare con smusso di protezione in HSS
Form B: Angolo di svasatura 60°/120°

Centre drills
made of HSS
Form B: included angle 60°/120°



Tipo / Type			B	B	B
Direzione di taglio / Cutting direction					Con piano / Flat
Materiale / Material			HSS	HSS	HSS
∅ mm	d ₂ mm	l ₁ mm	6297	6298 B	6289
1,00	4,0	35,5	●	●	-
1,25	5,0	40,0	●	●	-
1,60	6,3	45,0	●	●	●
2,00	8,0	50,0	●	●	●
2,50	10,0	55,0	●	●	●
3,15	11,2	60,0	●	●	●
4,00	14,0	67,0	●	●	●
5,00	18,0	75,0	●	●	●
6,30	20,0	80,0	●	●	●
8,00	25,0	100,0	●	-	●
10,00	31,5	125,0	●	-	●

Tipo / Type			B	B	B
Direzione di taglio / Cutting direction					Con piano / Flat
Materiale / Material			HSS	HSS	HSS
∅ mm	d ₂ mm	l ₁ mm	6297	6298 B	6289

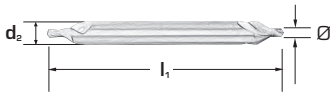
In fase di ordinazione specificare sempre il ∅ e la lunghezza l1 ed il corpo d2 / When ordering please state diameter d2 and l1

● Utensile disponibile a magazzino / Items available ex stock



Punte a centrare in HSS Tipo standard, serie lunga ed extralunga Form A: Angolo di svasatura 60°

Extra long Centre drills
made of HSS
Form A: included angle 60°



Tipo / Type				A
Direzione di taglio Cutting direction				
Materiale/Material				HSS-Co
∅ mm	d ₂ mm	l ₁ mm	6144	
0,75	3,5	60	●	
1,00	4,0	60	●	
1,50	5,0	60	●	
2,00	6,0	80	●	
2,50	8,0	80	●	
3,00	8,0	80	●	
1,00	4,0	100	●	
1,50	5,0	100	●	
2,00	6,0	100	●	
2,50	8,0	100	●	
3,00	8,0	100	●	
3,00	10,0	100	●	
4,00	10,0	100	●	
4,00	12,0	100	●	
5,00	12,0	100	●	
0,75	3,5	120	●	
1,00	4,0	120	●	
1,50	5,0	120	●	
1,60	5,0	120	●	
2,00	6,0	120	●	
2,50	8,0	120	●	
3,00	8,0	120	●	
3,00	10,0	120	●	
3,15	10,0	120	●	
4,00	10,0	120	●	
4,00	12,0	120	●	
5,00	14,0	120	●	
2,00	5,0	200	●	
2,50	6,3	200	●	
3,15	8,0	200	●	
4,00	10,0	200	●	

Tipo / Type				A
Direzione di taglio Cutting direction				
Materiale/Material				HSS-Co
∅ mm	d ₂ mm	l ₁ mm	6144	

In fase di ordinazione specificare sempre il ∅ e la lunghezza l₁ ed il corpo d₂ /
When ordering please state diameter d₂ and l₁

● Utensile disponibile a magazzino / Items available ex stock

ANSI B 94.11 M-1979



Punte a centrare a norme americane

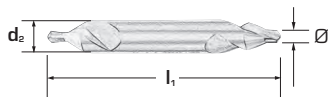
in HSS Tipo standard e raggiate

Form A: Angolo di svasatura 60° - Form R: Raggiate

Centre drills

made of HSS

Form A: included angle 60° - Form R: Radius



Tipo / Type

Direzione di taglio
Cutting direction

Materiale/Material

A	R
HSS	HSS

Misura size	"	Ø mm	"	d ₂ mm	"	l ₁ mm	6164	6160
00	.025	0,64	1/8	3,18	1	7/32	31	● ●
0	1/32	0,79	1/8	3,18	1	7/32	31	● ●
1	3/64	1,19	1/8	3,18	1	1/4	32	● ●
2	5/64	1,98	3/16	4,76	1	7/8	48	● ●
3	7/64	2,78	1/4	6,35	2		51	● ●
4	1/8	3,18	5/16	7,94	2	1/8	54	● ●
5	3/16	4,76	7/16	11,11	2	3/4	70	● ●
6	7/32	5,56	1/2	12,70	3		76	● -
7	1/4	6,35	5/8	15,88	3	1/4	83	● -
8	5/16	7,94	3/4	19,05	3	1/2	89	● -

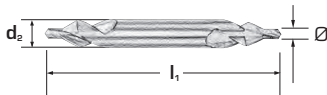
● Utensile disponibile a magazzino / Items available ex stock

B.S. 328



Punte a centrare a norme inglesi in HSS
Tipo standard e raggiate
Form A: Angolo di svasatura 60°

Centre drills
 made of HSS
 Form A: included angle 60°



Tipo / Type

A

Direzione di taglio
 Cutting direction



Materiale / Material

HSS

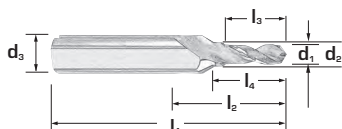
Misura size	“ Ø mm	“ d ₂ mm	“ l ₁ mm	6142
1	3/64 1,19	1/8 3,18	1 1/2 38	●
2	1/16 1,59	3/16 4,76	1 3/4 44,5	●
3	3/32 2,38	1/4 6,35	2 1/64 51,2	●
4	1/8 3,18	5/16 7,94	2 1/4 63,5	●
5	3/16 4,76	7/16 11,11	2 1/2 63,5	●
6	1/4 6,35	5/8 15,88	3 76	●
7	5/16 7,94	3/4 19,05	3 1/2 89	●

● Utensile disponibile a magazzino / Items available ex stock



Punte a centrare a gradino in HSS
Form D: Angolo di svasatura 60°
Form DR: Raggiate

Step drills for centre holes in shafts
 Form D: included angle 60°
 Form DR: Radius



Angolo di svasatura / Included angle

Direzione di taglio
Cutting direction

Materiale / Material

Ø mm per filettatura for thread-Ø	Ø h 8			Lungh. Length l ₁	Lungh. Length l ₂	Lungh. Length l ₃	Con piano Flat size	Lungh. Length l ₄	6249		Raggio Radius	6250	
	d ₁	d ₂	d ₃						Lungh. Length l ₄	●		●	
M 4	3,3	4,3	8,0	63	23	11,0	6,75	12,60	●	12,6	5,0	●	●
M 5	4,2	5,3	10,0	67	27	13,0	8,45	15,15	●	15,2	6,3	●	●
M 6	5,0	6,4	12,5	71	33	16,0	10,45	18,90	●	18,9	8,0	●	●
M 8	6,8	8,4	14,0	88	41	19,5	12,50	23,00	●	23,0	10,0	●	●
M 10	8,5	10,5	16,0	94	47	23,0	14,85	27,70	●	27,7	16,0	●	●
M 12	10,2	13,0	20,0	105	59	28,0	18,45	34,50	●	34,5	20,0	●	●
M 16	14,0	17,0	25,0	132	67	33,0	23,40	41,30	●	41,3	25,0	●	●
M 20	17,5	21,0	31,5	145	77	38,0	29,35	48,35	●	48,4	31,5	●	●
M 24	21,0	25,0	40,0	160	90	45,0	36,50	57,00	●	57,0	40,0	●	●

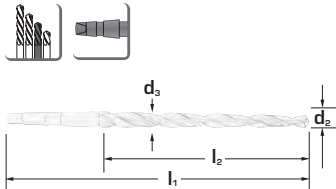
● Utensile disponibile a magazzino / Items available ex stock

DIN 1898 B



Punte per fori conici con attacco conico in HSS Conicità 1:50 per fori di spine coniche secondo DIN 1 e DIN 7978

Taper Pin drills with morse taper shank made of HSS
Taper 1 : 50 for drilling taper holes acc. to DIN 1 and DIN 7978



Tipo / Type						N
Direzione di taglio Cutting direction						
Materiale/Material						HSS
Ø mm	d ₂ mm	d ₃ mm	l ₁ mm	l ₂ mm	CM MT	6502
5	4,98	6,62	164	86	1	■
6	5,97	8,25	196	117	1	■

Tipo / Type						N
Direzione di taglio Cutting direction						
Materiale/Material						HSS
Ø mm	d ₂ mm	d ₃ mm	l ₁ mm	l ₂ mm	CM MT	6502

● Utensile disponibile a magazzino / Items available ex stock - ■ Fino ad esaurimento scorte / discontinued items