



HIGH QUALITY TOOLS



PUNTE IN METALLO DURO 3XD E 5XD
CON E SENZA FORI – RIVESTITE CRALINIT



Cata/listino 2026

INDICE

PUNTE IN METALLO DURO 3XD E 5XD CON E SENZA FORI

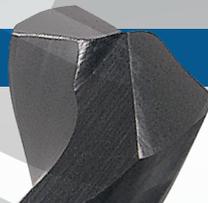
PUNTA	Art.	Utilizzo	Diametro (mm)	Rivest.	Pag.
	300	Acciai comuni, da fusione, inox Ghisa - Rame - Ottone Bronzo - Alluminio - Titanio	1.0 - 20.0		2
	500	Acciai comuni, da fusione, inox Ghisa - Rame - Ottone Bronzo - Alluminio - Titanio	1.0 - 20.0		4
 CON FORI 	300F	Acciai comuni, da fusione, inox Ghisa - Rame - Ottone Bronzo - Alluminio - Titanio	3.0 - 20.0		6
 CON FORI 	500F	Acciai comuni, da fusione, inox Ghisa - Rame - Ottone Bronzo - Alluminio - Titanio	3.0 - 20.0		8
 CON FORI 	SPEC	Acciai comuni, da fusione, inox Ghisa - Rame - Ottone Bronzo - Alluminio - Titanio	3.0 - 20.0		10

* DISPONIBILI SU RICHIESTA
8XD - 10XD - 12XD - 15XD - 20XD - 30XD - 40XD

PUNTE IN METALLO DURO INTEGRALE ART. 300

3xD SENZA FORI DI LUBRIFICAZIONE

Rivestimento CRALINIT · TOLL Diam h7 / TOLL Gambo H6 - AFF TESTA 140°

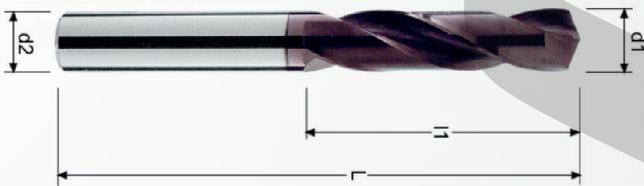


ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
300.010	1.0 x 4 x 50 cod 4	25,00
300.011	1.1 x 4 x 50 cod 4	25,00
300.012	1.2 x 4 x 50 cod 4	25,00
300.013	1.3 x 5 x 50 cod 4	25,00
300.014	1.4 x 6 x 50 cod 4	25,00
300.015	1.5 x 6 x 50 cod 4	25,00
300.016	1.6 x 6 x 50 cod 4	25,00
300.017	1.7 x 7 x 50 cod 4	25,00
300.018	1.8 x 7 x 50 cod 4	25,00
300.019	1.9 x 8 x 50 cod 4	25,00
300.020	2.0 x 8 x 50 cod 4	25,00
300.021	2.1 x 9 x 50 cod 4	25,00
300.022	2.2 x 9 x 50 cod 4	25,00
300.023	2.3 x 9 x 50 cod 4	25,00
300.024	2.4 x 10 x 50 cod 4	25,00
300.025	2.5 x 10 x 50 cod 4	25,00
300.026	2.6 x 11 x 50 cod 4	25,00
300.027	2.7 x 11 x 50 cod 4	25,00
300.028	2.8 x 11 x 50 cod 4	25,00
300.029	2.9 x 12 x 50 cod 4	25,00
300.030	3.0 x 20 x 66 cod 6	29,00
300.031	3.1 x 20 x 66 cod 6	29,00
300.032	3.2 x 20 x 66 cod 6	29,00
300.033	3.3 x 20 x 66 cod 6	29,00
300.034	3.4 x 20 x 66 cod 6	29,00
300.035	3.5 x 20 x 66 cod 6	29,00
300.036	3.6 x 20 x 66 cod 6	29,00
300.037	3.7 x 20 x 66 cod 6	29,00
300.038	3.8 x 24 x 66 cod 6	29,00
300.039	3.9 x 24 x 66 cod 6	29,00
300.040	4.0 x 24 x 66 cod 6	29,00
300.041	4.1 x 24 x 66 cod 6	29,00
300.042	4.2 x 24 x 66 cod 6	29,00
300.043	4.3 x 24 x 66 cod 6	29,00
300.044	4.4 x 24 x 66 cod 6	29,00
300.045	4.5 x 24 x 66 cod 6	29,00
300.046	4.6 x 24 x 66 cod 6	29,00
300.047	4.7 x 24 x 66 cod 6	29,00
300.048	4.8 x 28 x 66 cod 6	29,00
300.049	4.9 x 28 x 66 cod 6	29,00
300.050	5.0 x 28 x 66 cod 6	29,00
300.051	5.1 x 28 x 66 cod 6	29,00
300.052	5.2 x 28 x 66 cod 6	29,00
300.053	5.3 x 28 x 66 cod 6	29,00
300.054	5.4 x 28 x 66 cod 6	29,00
300.055	5.5 x 28 x 66 cod 6	29,00
300.056	5.6 x 28 x 66 cod 6	29,00
300.057	5.7 x 28 x 66 cod 6	29,00
300.058	5.8 x 28 x 66 cod 6	29,00
300.059	5.9 x 28 x 66 cod 6	29,00
300.060	6.0 x 28 x 66 cod 6	29,00
300.061	6.1 x 34 x 79 cod 8	38,00
300.062	6.2 x 34 x 79 cod 8	38,00
300.063	6.3 x 34 x 79 cod 8	38,00
300.064	6.4 x 34 x 79 cod 8	38,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
300.065	6.5 x 34 x 79 cod 8	38,00
300.066	6.6 x 34 x 79 cod 8	38,00
300.067	6.7 x 34 x 79 cod 8	38,00
300.068	6.8 x 34 x 79 cod 8	38,00
300.069	6.9 x 34 x 79 cod 8	38,00
300.070	7.0 x 34 x 79 cod 8	38,00
300.071	7.1 x 41 x 79 cod 8	38,00
300.072	7.2 x 41 x 79 cod 8	38,00
300.073	7.3 x 41 x 79 cod 8	38,00
300.074	7.4 x 41 x 79 cod 8	38,00
300.075	7.5 x 41 x 79 cod 8	38,00
300.076	7.6 x 41 x 79 cod 8	38,00
300.077	7.7 x 41 x 79 cod 8	38,00
300.078	7.8 x 41 x 79 cod 8	38,00
300.079	7.9 x 41 x 79 cod 8	38,00
300.080	8.0 x 41 x 79 cod 8	38,00
300.081	8.1 x 47 x 89 cod 10	49,00
300.082	8.2 x 47 x 89 cod 10	49,00
300.083	8.3 x 47 x 89 cod 10	49,00
300.084	8.4 x 47 x 89 cod 10	49,00
300.085	8.5 x 47 x 89 cod 10	49,00
300.086	8.6 x 47 x 89 cod 10	49,00
300.087	8.7 x 47 x 89 cod 10	49,00
300.088	8.8 x 47 x 89 cod 10	49,00
300.089	8.9 x 47 x 89 cod 10	49,00
300.090	9.0 x 47 x 89 cod 10	49,00
300.091	9.1 x 47 x 89 cod 10	49,00
300.092	9.2 x 47 x 89 cod 10	49,00
300.093	9.3 x 47 x 89 cod 10	49,00
300.094	9.4 x 47 x 89 cod 10	49,00
300.095	9.5 x 47 x 89 cod 10	49,00
300.096	9.6 x 47 x 89 cod 10	49,00
300.097	9.7 x 47 x 89 cod 10	49,00
300.098	9.8 x 47 x 89 cod 10	49,00
300.099	9.9 x 47 x 89 cod 10	49,00
300.100	10.0 x 47 x 89 cod 10	49,00
300.101	10.1 x 55 x 102 cod 12	69,00
300.102	10.2 x 55 x 102 cod 12	69,00
300.103	10.3 x 55 x 102 cod 12	69,00
300.104	10.4 x 55 x 102 cod 12	69,00
300.105	10.5 x 55 x 102 cod 12	69,00
300.106	10.6 x 55 x 102 cod 12	69,00
300.107	10.7 x 55 x 102 cod 12	69,00
300.108	10.8 x 55 x 102 cod 12	69,00
300.109	10.9 x 55 x 102 cod 12	69,00
300.110	11.0 x 55 x 102 cod 12	69,00
300.111	11.1 x 55 x 102 cod 12	69,00
300.112	11.2 x 55 x 102 cod 12	69,00
300.113	11.3 x 55 x 102 cod 12	69,00
300.114	11.4 x 55 x 102 cod 12	69,00
300.115	11.5 x 55 x 102 cod 12	69,00
300.116	11.6 x 55 x 102 cod 12	69,00
300.117	11.7 x 55 x 102 cod 12	69,00
300.118	11.8 x 55 x 102 cod 12	69,00
300.119	11.9 x 55 x 102 cod 12	69,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
300.120	12.0 x 55 x 102 cod 12	69,00
300.121	12.1 x 60 x 107 cod 14	95,00
300.122	12.2 x 60 x 107 cod 14	95,00
300.123	12.3 x 60 x 107 cod 14	95,00
300.124	12.4 x 60 x 107 cod 14	95,00
300.125	12.5 x 60 x 107 cod 14	95,00
300.126	12.6 x 60 x 107 cod 14	95,00
300.127	12.7 x 60 x 107 cod 14	95,00
300.128	12.8 x 60 x 107 cod 14	95,00
300.129	12.9 x 60 x 107 cod 14	95,00
300.130	13.0 x 60 x 107 cod 14	95,00
300.131	13.1 x 60 x 107 cod 14	95,00
300.132	13.2 x 60 x 107 cod 14	95,00
300.133	13.3 x 60 x 107 cod 14	95,00
300.134	13.4 x 60 x 107 cod 14	95,00
300.135	13.5 x 60 x 107 cod 14	95,00
300.136	13.6 x 60 x 107 cod 14	95,00
300.137	13.7 x 60 x 107 cod 14	95,00
300.138	13.8 x 60 x 107 cod 14	95,00
300.139	13.9 x 60 x 107 cod 14	95,00
300.140	14.0 x 60 x 107 cod 14	95,00
300.141	14.1 x 65 x 115 cod 16	128,00
300.142	14.2 x 65 x 115 cod 16	128,00
300.143	14.3 x 65 x 115 cod 16	128,00
300.144	14.4 x 65 x 115 cod 16	128,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
300.145	14.5 x 65 x 115 cod 16	128,00
300.146	14.6 x 65 x 115 cod 16	128,00
300.147	14.7 x 65 x 115 cod 16	128,00
300.148	14.8 x 65 x 115 cod 16	128,00
300.149	14.9 x 65 x 115 cod 16	128,00
300.150	15.0 x 65 x 115 cod 16	128,00
300.151	15.1 x 65 x 115 cod 16	128,00
300.152	15.2 x 65 x 115 cod 16	128,00
300.153	15.3 x 65 x 115 cod 16	128,00
300.154	15.4 x 65 x 115 cod 16	128,00
300.155	15.5 x 65 x 115 cod 16	128,00
300.156	15.6 x 65 x 115 cod 16	128,00
300.157	15.7 x 65 x 115 cod 16	128,00
300.158	15.8 x 65 x 115 cod 16	128,00
300.159	15.9 x 65 x 115 cod 16	128,00
300.160	16.0 x 65 x 115 cod 16	128,00
300.165	16.5 x 73 x 123 cod 18	185,00
300.170	17.0 x 73 x 123 cod 18	185,00
300.175	17.5 x 73 x 123 cod 18	185,00
300.180	18.0 x 73 x 123 cod 18	185,00
300.185	18.5 x 79 x 133 cod 20	220,00
300.190	19.0 x 79 x 133 cod 20	220,00
300.195	19.5 x 79 x 133 cod 20	220,00
300.200	20.0 x 79 x 133 cod 20	220,00



HRC
< 52

140°

Acciai
COMUNI

Alluminio

GHISA

INOX

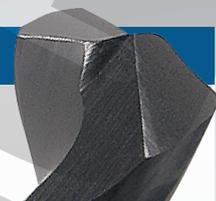
PARAMETRI DI TAGLIO

MATERIALE	DUREZZA	TIPO	VC	Ø				
				Ø 3-5	Ø 5-8	Ø 8.1-12	Ø 12.1-16	Ø 16.1-20
				FZ	FZ	FZ	FZ	FZ
ACCIAI COMUNI	<500N/mm ²	60 / 70	70-90	0.10	0.12	0.15	0.20	0.25
	<800N/mm ²	40 / 70	50-80	0.10	0.12	0.15	0.20	0.25
	<1000N/mm ²	35 / 50	45-60	0.10	0.12	0.13	0.17	0.20
	<1300N/mm ²	30 / 45	40-55	0.10	0.12	0.13	0.17	0.20
ACCIAI DA FUSIONE	<600N/mm	GS 38	30-60	0.05-0.15	0.05-0.20	0.10-0.22	0.10-0.25	0.10-0.25
	<700N/mm	GS 52	25-50	0.04-0.10	0.05-0.15	0.05-0.18	0.08-0.20	0.10-0.20
	>700N/mm	GS 62	20-45	0.04-0.10	0.05-0.15	0.10-0.18	0.08-0.20	0.10-0.20
GHISA	<200N/mm ²	GG 20 GGG 40 GTS 45	70-110	0.10-0.25	0.15-0.30	0.20-0.40	0.25-0.45	0.30-0.50
	<250N/mm ²	GG 30 GGG 50 GTS 40	60-95	0.10-0.20	0.12-0.25	0.15-0.35	0.20-0.40	0.25-0.45
	>250N/mm ²	GG 40 GGG 70 GTS 70	50-80	0.10-0.20	0.12-0.25	0.15-0.35	0.20-0.40	0.25-0.45
	350/450 HB		20-55	0.04-0.10	0.06-0.12	0.08-0.15	0.08-0.15	0.10-0.20
RAME - OTTONE - BRONZO			60-220	0.04-0.10	0.12-0.25	0.20-0.35	0.25-0.45	0.30-0.50
ALLUMINIO		>10% si	80-200	0.10-0.25	0.15-0.35	0.25-0.45	0.30-0.50	0.35-0.55
		<10% si	70-200	0.10-0.25	0.15-0.35	0.25-0.45	0.30-0.50	0.35-0.55
TITANIO			15-40	0.02-0.07	0.04-0.10	0.06-0.12	0.08-0.15	0.08-0.15
ACCIAIO INOX			20÷30	0.04-0.10	0.05-0.15	0.05-0.18	0.08-0.20	0.10-0.20

PUNTE IN METALLO DURO INTEGRALE ART. 500

5xD SENZA FORI DI LUBRIFICAZIONE

Rivestimento CRALINIT · TOLL Diam h7 / TOLL Gambo H6 - AFF TESTA 140°

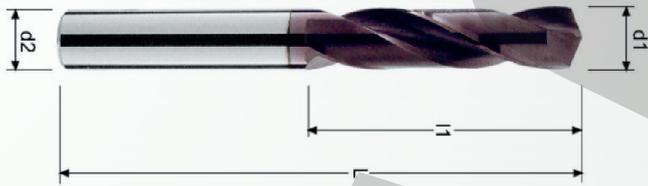


ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
500.010	1.0 x 6 x 50 cod 4	29,00
500.011	1.1 x 6 x 50 cod 4	29,00
500.012	1.2 x 7 x 50 cod 4	29,00
500.013	1.3 x 8 x 50 cod 4	29,00
500.014	1.4 x 9 x 50 cod 4	29,00
500.015	1.5 x 9 x 50 cod 4	29,00
500.016	1.6 x 10 x 50 cod 4	29,00
500.017	1.7 x 10 x 50 cod 4	29,00
500.018	1.8 x 11 x 50 cod 4	29,00
500.019	1.9 x 12 x 50 cod 4	29,00
500.020	2.0 x 12 x 50 cod 4	29,00
500.021	2.1 x 13 x 50 cod 4	29,00
500.022	2.2 x 13 x 50 cod 4	29,00
500.023	2.3 x 14 x 50 cod 4	29,00
500.024	2.4 x 14 x 50 cod 4	29,00
500.025	2.5 x 15 x 50 cod 4	29,00
500.026	2.6 x 16 x 50 cod 4	29,00
500.027	2.7 x 16 x 50 cod 4	29,00
500.028	2.8 x 17 x 50 cod 4	29,00
500.029	2.9 x 17 x 50 cod 4	29,00
500.030	3.0 x 28 x 74 cod 6	33,00
500.031	3.1 x 28 x 74 cod 6	33,00
500.032	3.2 x 28 x 74 cod 6	33,00
500.033	3.3 x 28 x 74 cod 6	33,00
500.034	3.4 x 28 x 74 cod 6	33,00
500.035	3.5 x 28 x 74 cod 6	33,00
500.036	3.6 x 28 x 74 cod 6	33,00
500.037	3.7 x 28 x 74 cod 6	33,00
500.038	3.8 x 36 x 74 cod 6	33,00
500.039	3.9 x 36 x 74 cod 6	33,00
500.040	4.0 x 36 x 74 cod 6	33,00
500.041	4.1 x 36 x 74 cod 6	33,00
500.042	4.2 x 36 x 74 cod 6	33,00
500.043	4.3 x 36 x 74 cod 6	33,00
500.044	4.4 x 36 x 74 cod 6	33,00
500.045	4.5 x 36 x 74 cod 6	33,00
500.046	4.6 x 36 x 74 cod 6	33,00
500.047	4.7 x 36 x 74 cod 6	33,00
500.048	4.8 x 44 x 82 cod 6	33,00
500.049	4.9 x 44 x 82 cod 6	33,00
500.050	5.0 x 44 x 82 cod 6	33,00
500.051	5.1 x 44 x 82 cod 6	33,00
500.052	5.2 x 44 x 82 cod 6	33,00
500.053	5.3 x 44 x 82 cod 6	33,00
500.054	5.4 x 44 x 82 cod 6	33,00
500.055	5.5 x 44 x 82 cod 6	33,00
500.056	5.6 x 44 x 82 cod 6	33,00
500.057	5.7 x 44 x 82 cod 6	33,00
500.058	5.8 x 44 x 82 cod 6	33,00
500.059	5.9 x 44 x 82 cod 6	33,00
500.060	6.0 x 44 x 82 cod 6	33,00
500.061	6.1 x 53 x 91 cod 8	45,00
500.062	6.2 x 53 x 91 cod 8	45,00
500.063	6.3 x 53 x 91 cod 8	45,00
500.064	6.4 x 53 x 91 cod 8	45,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
500.065	6.5 x 53 x 91 cod 8	45,00
500.066	6.6 x 53 x 91 cod 8	45,00
500.067	6.7 x 53 x 91 cod 8	45,00
500.068	6.8 x 53 x 91 cod 8	45,00
500.069	6.9 x 53 x 91 cod 8	45,00
500.070	7.0 x 53 x 91 cod 8	45,00
500.071	7.1 x 53 x 91 cod 8	45,00
500.072	7.2 x 53 x 91 cod 8	45,00
500.073	7.3 x 53 x 91 cod 8	45,00
500.074	7.4 x 53 x 91 cod 8	45,00
500.075	7.5 x 53 x 91 cod 8	45,00
500.076	7.6 x 53 x 91 cod 8	45,00
500.077	7.7 x 53 x 91 cod 8	45,00
500.078	7.8 x 53 x 91 cod 8	45,00
500.079	7.9 x 53 x 91 cod 8	45,00
500.080	8.0 x 53 x 91 cod 8	45,00
500.081	8.1 x 61 x 103 cod 10	59,00
500.082	8.2 x 61 x 103 cod 10	59,00
500.083	8.3 x 61 x 103 cod 10	59,00
500.084	8.4 x 61 x 103 cod 10	59,00
500.085	8.5 x 61 x 103 cod 10	59,00
500.086	8.6 x 61 x 103 cod 10	59,00
500.087	8.7 x 61 x 103 cod 10	59,00
500.088	8.8 x 61 x 103 cod 10	59,00
500.089	8.9 x 61 x 103 cod 10	59,00
500.090	9.0 x 61 x 103 cod 10	59,00
500.091	9.1 x 61 x 103 cod 10	59,00
500.092	9.2 x 61 x 103 cod 10	59,00
500.093	9.3 x 61 x 103 cod 10	59,00
500.094	9.4 x 61 x 103 cod 10	59,00
500.095	9.5 x 61 x 103 cod 10	59,00
500.096	9.6 x 61 x 103 cod 10	59,00
500.097	9.7 x 61 x 103 cod 10	59,00
500.098	9.8 x 61 x 103 cod 10	59,00
500.099	9.9 x 61 x 103 cod 10	59,00
500.100	10.0 x 61 x 103 cod 10	59,00
500.101	10.1 x 71 x 118 cod 12	80,00
500.102	10.2 x 71 x 118 cod 12	80,00
500.103	10.3 x 71 x 118 cod 12	80,00
500.104	10.4 x 71 x 118 cod 12	80,00
500.105	10.5 x 71 x 118 cod 12	80,00
500.106	10.6 x 71 x 118 cod 12	80,00
500.107	10.7 x 71 x 118 cod 12	80,00
500.108	10.8 x 71 x 118 cod 12	80,00
500.109	10.9 x 71 x 118 cod 12	80,00
500.110	11.0 x 71 x 118 cod 12	80,00
500.111	11.1 x 71 x 118 cod 12	80,00
500.112	11.2 x 71 x 118 cod 12	80,00
500.113	11.3 x 71 x 118 cod 12	80,00
500.114	11.4 x 71 x 118 cod 12	80,00
500.115	11.5 x 71 x 118 cod 12	80,00
500.116	11.6 x 71 x 118 cod 12	80,00
500.117	11.7 x 71 x 118 cod 12	80,00
500.118	11.8 x 71 x 118 cod 12	80,00
500.119	11.9 x 71 x 118 cod 12	80,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
500.120	12.0 x 71 x 118 cod 12	80,00
500.121	12.1 x 77 x 124 cod 14	105,00
500.122	12.2 x 77 x 124 cod 14	105,00
500.123	12.3 x 77 x 124 cod 14	105,00
500.124	12.4 x 77 x 124 cod 14	105,00
500.125	12.5 x 77 x 124 cod 14	105,00
500.126	12.6 x 77 x 124 cod 14	105,00
500.127	12.7 x 77 x 124 cod 14	105,00
500.128	12.8 x 77 x 124 cod 14	105,00
500.129	12.9 x 77 x 124 cod 14	105,00
500.130	13.0 x 77 x 124 cod 14	105,00
500.131	13.1 x 77 x 124 cod 14	105,00
500.132	13.2 x 77 x 124 cod 14	105,00
500.133	13.3 x 77 x 124 cod 14	105,00
500.134	13.4 x 77 x 124 cod 14	105,00
500.135	13.5 x 77 x 124 cod 14	105,00
500.136	13.6 x 77 x 124 cod 14	105,00
500.137	13.7 x 77 x 124 cod 14	105,00
500.138	13.8 x 77 x 124 cod 14	105,00
500.139	13.9 x 77 x 124 cod 14	105,00
500.140	14.0 x 77 x 124 cod 14	105,00
500.141	14.1 x 83 x 133 cod 16	135,00
500.142	14.2 x 83 x 133 cod 16	135,00
500.143	14.3 x 83 x 133 cod 16	135,00
500.144	14.4 x 83 x 133 cod 16	135,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
500.145	14.5 x 83 x 133 cod 16	135,00
500.146	14.6 x 83 x 133 cod 16	135,00
500.147	14.7 x 83 x 133 cod 16	135,00
500.148	14.8 x 83 x 133 cod 16	135,00
500.149	14.9 x 83 x 133 cod 16	135,00
500.150	15.0 x 83 x 133 cod 16	135,00
500.151	15.1 x 83 x 133 cod 16	135,00
500.152	15.2 x 83 x 133 cod 16	135,00
500.153	15.3 x 83 x 133 cod 16	135,00
500.154	15.4 x 83 x 133 cod 16	135,00
500.155	15.5 x 83 x 133 cod 16	135,00
500.156	15.6 x 83 x 133 cod 16	135,00
500.157	15.7 x 83 x 133 cod 16	135,00
500.158	15.8 x 83 x 133 cod 16	135,00
500.159	15.9 x 83 x 133 cod 16	135,00
500.160	16.0 x 83 x 133 cod 16	135,00
500.165	16.5 x 93 x 143 cod 18	210,00
500.170	17.0 x 93 x 143 cod 18	210,00
500.175	17.5 x 93 x 143 cod 18	210,00
500.180	18.0 x 93 x 143 cod 18	210,00
500.185	18.5 x 101 x 153 cod 20	248,00
500.190	19.0 x 101 x 153 cod 20	248,00
500.195	19.5 x 101 x 153 cod 20	248,00
500.200	20.0 x 101 x 153 cod 20	248,00



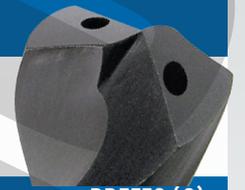
PARAMETRI DI TAGLIO

MATERIALE	DUREZZA	TIPO	VC	Ø				
				Ø 3-5	Ø 5-8	Ø 8.1-12	Ø 12.1-16	Ø 16.1-20
				FZ	FZ	FZ	FZ	FZ
ACCIAI COMUNI	<600N/mm ²	60 / 70	70-90	0.10	0.12	0.15	0.20	0.25
	<800N/mm ²	40 / 70	50-80	0.10	0.12	0.15	0.20	0.25
	<1000N/mm ²	35 / 50	45-60	0.10	0.12	0.13	0.17	0.20
	<1300N/mm ²	30 / 45	40-55	0.10	0.12	0.13	0.17	0.20
ACCIAI DA FUSIONE	<600N/mm	GS 38	30-60	0.05-0.15	0.05-0.20	0.10-0.22	0.10-0.25	0.10-0.25
	<700N/mm	GS 52	25-50	0.04-0.10	0.05-0.15	0.05-0.18	0.08-0.20	0.10-0.20
	>700N/mm	GS 62	20-45	0.04-0.10	0.05-0.15	0.10-0.18	0.08-0.20	0.10-0.20
GHISA	<200N/mm ²	GG 20 GGG 40 GTS 45	70-110	0.10-0.25	0.15-0.30	0.20-0.40	0.25-0.45	0.30-0.50
	<250N/mm ²	GG 30 GGG 50 GTS 40	60-95	0.10-0.20	0.12-0.25	0.15-0.35	0.20-0.40	0.25-0.45
	>250N/mm ²	GG 40 GGG 70 GTS 70	50-80	0.10-0.20	0.12-0.25	0.15-0.35	0.20-0.40	0.25-0.45
	350/450 HB		20-55	0.04-0.10	0.06-0.12	0.08-0.15	0.08-0.15	0.10-0.20
RAME - OTTONE - BRONZO			60-220	0.04-0.10	0.12-0.25	0.20-0.35	0.25-0.45	0.30-0.50
ALLUMINIO	>10% si		80-200	0.10-0.25	0.15-0.35	0.25-0.45	0.30-0.50	0.35-0.55
	<10% si		70-200	0.10-0.25	0.15-0.35	0.25-0.45	0.30-0.50	0.35-0.55
TITANIO			15-40	0.02-0.07	0.04-0.10	0.06-0.12	0.08-0.15	0.08-0.15
ACCIAIO INOX			20÷30	0.04-0.10	0.05-0.15	0.05-0.18	0.08-0.20	0.10-0.20

PUNTE IN METALLO DURO INTEGRALE ART. 300F

3xD CON FORI DI LUBRIFICAZIONE

Rivestimento CRALINIT · TOLL Diam h7 / TOLL Gambo H6 - AFF TESTA 140°



ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
300F.030	3.0 x 20 x 66 cod 6	38,00
300F.031	3.1 x 20 x 66 cod 6	38,00
300F.032	3.2 x 20 x 66 cod 6	38,00
300F.033	3.3 x 20 x 66 cod 6	38,00
300F.034	3.4 x 20 x 66 cod 6	38,00
300F.035	3.5 x 20 x 66 cod 6	38,00
300F.036	3.6 x 20 x 66 cod 6	38,00
300F.037	3.7 x 20 x 66 cod 6	38,00
300F.038	3.8 x 24 x 66 cod 6	38,00
300F.039	3.9 x 24 x 66 cod 6	38,00
300F.040	4.0 x 24 x 66 cod 6	38,00
300F.041	4.1 x 24 x 66 cod 6	38,00
300F.042	4.2 x 24 x 66 cod 6	38,00
300F.043	4.3 x 24 x 66 cod 6	38,00
300F.044	4.4 x 24 x 66 cod 6	38,00
300F.045	4.5 x 24 x 66 cod 6	38,00
300F.046	4.6 x 24 x 66 cod 6	38,00
300F.047	4.7 x 24 x 66 cod 6	38,00
300F.048	4.8 x 28 x 66 cod 6	38,00
300F.049	4.9 x 28 x 66 cod 6	38,00
300F.050	5.0 x 28 x 66 cod 6	38,00
300F.051	5.1 x 28 x 66 cod 6	38,00
300F.052	5.2 x 28 x 66 cod 6	38,00
300F.053	5.3 x 28 x 66 cod 6	38,00
300F.054	5.4 x 28 x 66 cod 6	38,00
300F.055	5.5 x 28 x 66 cod 6	38,00
300F.056	5.6 x 28 x 66 cod 6	38,00
300F.057	5.7 x 28 x 66 cod 6	38,00
300F.058	5.8 x 28 x 66 cod 6	38,00
300F.059	5.9 x 28 x 66 cod 6	38,00
300F.060	6.0 x 28 x 66 cod 6	38,00
300F.061	6.1 x 34 x 79 cod 8	58,00
300F.062	6.2 x 34 x 79 cod 8	58,00
300F.063	6.3 x 34 x 79 cod 8	58,00
300F.064	6.4 x 34 x 79 cod 8	58,00
300F.065	6.5 x 34 x 79 cod 8	58,00
300F.066	6.6 x 34 x 79 cod 8	58,00
300F.067	6.7 x 34 x 79 cod 8	58,00
300F.068	6.8 x 34 x 79 cod 8	58,00
300F.069	6.9 x 34 x 79 cod 8	58,00
300F.070	7.0 x 34 x 79 cod 8	58,00
300F.071	7.1 x 41 x 79 cod 8	58,00
300F.072	7.2 x 41 x 79 cod 8	58,00
300F.073	7.3 x 41 x 79 cod 8	58,00
300F.074	7.4 x 41 x 79 cod 8	58,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
300F.075	7.5 x 41 x 79 cod 8	58,00
300F.076	7.6 x 41 x 79 cod 8	58,00
300F.077	7.7 x 41 x 79 cod 8	58,00
300F.078	7.8 x 41 x 79 cod 8	58,00
300F.079	7.9 x 41 x 79 cod 8	58,00
300F.080	8.0 x 41 x 79 cod 8	58,00
300F.081	8.1 x 47 x 89 cod 10	75,00
300F.082	8.2 x 47 x 89 cod 10	75,00
300F.083	8.3 x 47 x 89 cod 10	75,00
300F.084	8.4 x 47 x 89 cod 10	75,00
300F.085	8.5 x 47 x 89 cod 10	75,00
300F.086	8.6 x 47 x 89 cod 10	75,00
300F.087	8.7 x 47 x 89 cod 10	75,00
300F.088	8.8 x 47 x 89 cod 10	75,00
300F.089	8.9 x 47 x 89 cod 10	75,00
300F.090	9.0 x 47 x 89 cod 10	75,00
300F.091	9.1 x 47 x 89 cod 10	75,00
300F.092	9.2 x 47 x 89 cod 10	75,00
300F.093	9.3 x 47 x 89 cod 10	75,00
300F.094	9.4 x 47 x 89 cod 10	75,00
300F.095	9.5 x 47 x 89 cod 10	75,00
300F.096	9.6 x 47 x 89 cod 10	75,00
300F.097	9.7 x 47 x 89 cod 10	75,00
300F.098	9.8 x 47 x 89 cod 10	75,00
300F.099	9.9 x 47 x 89 cod 10	75,00
300F.100	10.0 x 47 x 89 cod 10	75,00
300F.101	10.1 x 55 x 102 cod 12	105,00
300F.102	10.2 x 55 x 102 cod 12	105,00
300F.103	10.3 x 55 x 102 cod 12	105,00
300F.104	10.4 x 55 x 102 cod 12	105,00
300F.105	10.5 x 55 x 102 cod 12	105,00
300F.106	10.6 x 55 x 102 cod 12	105,00
300F.107	10.7 x 55 x 102 cod 12	105,00
300F.108	10.8 x 55 x 102 cod 12	105,00
300F.109	10.9 x 55 x 102 cod 12	105,00
300F.110	11.0 x 55 x 102 cod 12	105,00
300F.111	11.1 x 55 x 102 cod 12	105,00
300F.112	11.2 x 55 x 102 cod 12	105,00
300F.113	11.3 x 55 x 102 cod 12	105,00
300F.114	11.4 x 55 x 102 cod 12	105,00
300F.115	11.5 x 55 x 102 cod 12	105,00
300F.116	11.6 x 55 x 102 cod 12	105,00
300F.117	11.7 x 55 x 102 cod 12	105,00
300F.118	11.8 x 55 x 102 cod 12	105,00
300F.119	11.9 x 55 x 102 cod 12	105,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
300F.120	12.0 x 55 x 102 cod 12	105,00
300F.121	12.1 x 60 x 107 cod 14	140,00
300F.122	12.2 x 60 x 107 cod 14	140,00
300F.123	12.3 x 60 x 107 cod 14	140,00
300F.124	12.4 x 60 x 107 cod 14	140,00
300F.125	12.5 x 60 x 107 cod 14	140,00
300F.126	12.6 x 60 x 107 cod 14	140,00
300F.127	12.7 x 60 x 107 cod 14	140,00
300F.128	12.8 x 60 x 107 cod 14	140,00
300F.129	12.9 x 60 x 107 cod 14	140,00
300F.130	13.0 x 60 x 107 cod 14	140,00
300F.131	13.1 x 60 x 107 cod 14	140,00
300F.132	13.2 x 60 x 107 cod 14	140,00
300F.133	13.3 x 60 x 107 cod 14	140,00
300F.134	13.4 x 60 x 107 cod 14	140,00
300F.135	13.5 x 60 x 107 cod 14	140,00
300F.136	13.6 x 60 x 107 cod 14	140,00
300F.137	13.7 x 60 x 107 cod 14	140,00
300F.138	13.8 x 60 x 107 cod 14	140,00
300F.139	13.9 x 60 x 107 cod 14	140,00
300F.140	14.0 x 60 x 107 cod 14	140,00
300F.141	14.1 x 65 x 115 cod 16	175,00
300F.142	14.2 x 65 x 115 cod 16	175,00
300F.143	14.3 x 65 x 115 cod 16	175,00
300F.144	14.4 x 65 x 115 cod 16	175,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
300F.145	14.5 x 65 x 115 cod 16	175,00
300F.146	14.6 x 65 x 115 cod 16	175,00
300F.147	14.7 x 65 x 115 cod 16	175,00
300F.148	14.8 x 65 x 115 cod 16	175,00
300F.149	14.9 x 65 x 115 cod 16	175,00
300F.150	15.0 x 65 x 115 cod 16	175,00
300F.151	15.1 x 65 x 115 cod 16	175,00
300F.152	15.2 x 65 x 115 cod 16	175,00
300F.153	15.3 x 65 x 115 cod 16	175,00
300F.154	15.4 x 65 x 115 cod 16	175,00
300F.155	15.5 x 65 x 115 cod 16	175,00
300F.156	15.6 x 65 x 115 cod 16	175,00
300F.157	15.7 x 65 x 115 cod 16	175,00
300F.158	15.8 x 65 x 115 cod 16	175,00
300F.159	15.9 x 65 x 115 cod 16	175,00
300F.160	16.0 x 65 x 115 cod 16	175,00
300F.165	16.5 x 73 x 123 cod 18	248,00
300F.170	17.0 x 73 x 123 cod 18	248,00
300F.175	17.5 x 73 x 123 cod 18	248,00
300F.180	18.0 x 73 x 123 cod 18	248,00
300F.185	18.5 x 79 x 133 cod 20	340,00
300F.190	19.0 x 79 x 133 cod 20	340,00
300F.195	19.5 x 79 x 133 cod 20	340,00
300F.200	20.0 x 79 x 133 cod 20	340,00



HRC < 52



Acciai COMUNI

Alluminio

GHISA

INOX



PARAMETRI DI TAGLIO

MATERIALE	DUREZZA	TIPO	VC	Ø				
				Ø 3 - 5	Ø 5 - 8	Ø 8.1 - 12	Ø 12.1 - 16	Ø 16.1 - 20
				FZ	FZ	FZ	FZ	FZ
ACCIAI COMUNI	<500N/mm ²	60 / 70	70-90	0.10	0.12	0.15	0.20	0.25
	<800N/mm ²	40 / 70	50-80	0.10	0.12	0.15	0.20	0.25
	<1000N/mm ²	35 / 50	45-60	0.10	0.12	0.13	0.17	0.20
	<1300N/mm ²	30 / 45	40-55	0.10	0.12	0.13	0.17	0.20
ACCIAI DA FUSIONE	<600N/mm	GS 38	40-70	0.05-0.15	0.05-0.20	0.10-0.22	0.10-0.25	0.10-0.25
	>700N/mm	GS 52	30-50	0.04-0.10	0.05-0.15	0.05-0.18	0.08-0.20	0.10-0.20
	>700N/mm	GS 62	25-55	0.04-0.10	0.05-0.15	0.10-0.18	0.08-0.20	0.10-0.20
GHISA	<200N/mm ²	GG 20 GGG 40 GTS 45	80-130	0.10-0.25	0.15-0.30	0.20-0.40	0.25-0.45	0.30-0.50
	<250N/mm ²	GG 30 GGG 50 GTS 40	70-115	0.10-0.20	0.12-0.25	0.15-0.35	0.20-0.40	0.25-0.45
	>250N/mm ²	GG 40 GGG 70 GTS 70	60-100	0.10-0.20	0.12-0.25	0.15-0.35	0.20-0.40	0.25-0.45
	350/450 HB		25-65	0.04-0.10	0.06-0.12	0.08-0.15	0.08-0.15	0.10-0.20
RAME - OTTONE - BRONZO			70-300	0.04-0.10	0.12-0.25	0.20-0.35	0.25-0.45	0.30-0.50
ALLUMINIO	>10% si		90-300	0.10-0.25	0.15-0.35	0.25-0.45	0.30-0.50	0.35-0.55
	<10% si		100-400	0.10-0.25	0.15-0.35	0.25-0.45	0.30-0.50	0.35-0.55
TITANIO			15-45	0.02-0.07	0.04-0.10	0.06-0.12	0.08-0.15	0.08-0.15
ACCIAIO INOX			25÷55	0.04-0.10	0.05-0.15	0.05-0.18	0.08-0.20	0.10-0.20

PUNTE IN METALLO DURO INTEGRALE ART. 500F

5xD CON FORI DI LUBRIFICAZIONE

Rivestimento CRALINIT · TOLL Diam h7 / TOLL Gambo H6 - AFF TESTA 140°



ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
500F.030	3.0 x 28 x 74 cod 6	45,00
500F.031	3.1 x 28 x 74 cod 6	45,00
500F.032	3.2 x 28 x 74 cod 6	45,00
500F.033	3.3 x 28 x 74 cod 6	45,00
500F.034	3.4 x 28 x 74 cod 6	45,00
500F.035	3.5 x 28 x 74 cod 6	45,00
500F.036	3.6 x 28 x 74 cod 6	45,00
500F.037	3.7 x 28 x 74 cod 6	45,00
500F.038	3.8 x 36 x 74 cod 6	45,00
500F.039	3.9 x 36 x 74 cod 6	45,00
500F.040	4.0 x 36 x 74 cod 6	45,00
500F.041	4.1 x 36 x 74 cod 6	45,00
500F.042	4.2 x 36 x 74 cod 6	45,00
500F.043	4.3 x 36 x 74 cod 6	45,00
500F.044	4.4 x 36 x 74 cod 6	45,00
500F.045	4.5 x 36 x 74 cod 6	45,00
500F.046	4.6 x 36 x 74 cod 6	45,00
500F.047	4.7 x 36 x 74 cod 6	45,00
500F.048	4.8 x 44 x 82 cod 6	45,00
500F.049	4.9 x 44 x 82 cod 6	45,00
500F.050	5.0 x 44 x 82 cod 6	45,00
500F.051	5.1 x 44 x 82 cod 6	45,00
500F.052	5.2 x 44 x 82 cod 6	45,00
500F.053	5.3 x 44 x 82 cod 6	45,00
500F.054	5.4 x 44 x 82 cod 6	45,00
500F.055	5.5 x 44 x 82 cod 6	45,00
500F.056	5.6 x 44 x 82 cod 6	45,00
500F.057	5.7 x 44 x 82 cod 6	45,00
500F.058	5.8 x 44 x 82 cod 6	45,00
500F.059	5.9 x 44 x 82 cod 6	45,00
500F.060	6.0 x 44 x 82 cod 6	45,00
500F.061	6.1 x 53 x 91 cod 8	63,00
500F.062	6.2 x 53 x 91 cod 8	63,00
500F.063	6.3 x 53 x 91 cod 8	63,00
500F.064	6.4 x 53 x 91 cod 8	63,00
500F.065	6.5 x 53 x 91 cod 8	63,00
500F.066	6.6 x 53 x 91 cod 8	63,00
500F.067	6.7 x 53 x 91 cod 8	63,00
500F.068	6.8 x 53 x 91 cod 8	63,00
500F.069	6.9 x 53 x 91 cod 8	63,00
500F.070	7.0 x 53 x 91 cod 8	63,00
500F.071	7.1 x 53 x 91 cod 8	63,00
500F.072	7.2 x 53 x 91 cod 8	63,00
500F.073	7.3 x 53 x 91 cod 8	63,00
500F.074	7.4 x 53 x 91 cod 8	63,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
500F.075	7.5 x 53 x 91 cod 8	63,00
500F.076	7.6 x 53 x 91 cod 8	63,00
500F.077	7.7 x 53 x 91 cod 8	63,00
500F.078	7.8 x 53 x 91 cod 8	63,00
500F.079	7.9 x 53 x 91 cod 8	63,00
500F.080	8.0 x 53 x 91 cod 8	63,00
500F.081	8.1 x 61 x 103 cod 10	85,00
500F.082	8.2 x 61 x 103 cod 10	85,00
500F.083	8.3 x 61 x 103 cod 10	85,00
500F.084	8.4 x 61 x 103 cod 10	85,00
500F.085	8.5 x 61 x 103 cod 10	85,00
500F.086	8.6 x 61 x 103 cod 10	85,00
500F.087	8.7 x 61 x 103 cod 10	85,00
500F.088	8.8 x 61 x 103 cod 10	85,00
500F.089	8.9 x 61 x 103 cod 10	85,00
500F.090	9.0 x 61 x 103 cod 10	85,00
500F.091	9.1 x 61 x 103 cod 10	85,00
500F.092	9.2 x 61 x 103 cod 10	85,00
500F.093	9.3 x 61 x 103 cod 10	85,00
500F.094	9.4 x 61 x 103 cod 10	85,00
500F.095	9.5 x 61 x 103 cod 10	85,00
500F.096	9.6 x 61 x 103 cod 10	85,00
500F.097	9.7 x 61 x 103 cod 10	85,00
500F.098	9.8 x 61 x 103 cod 10	85,00
500F.099	9.9 x 61 x 103 cod 10	85,00
500F.100	10.0 x 61 x 103 cod 10	85,00
500F.101	10.1 x 71 x 118 cod 12	120,00
500F.102	10.2 x 71 x 118 cod 12	120,00
500F.103	10.3 x 71 x 118 cod 12	120,00
500F.104	10.4 x 71 x 118 cod 12	120,00
500F.105	10.5 x 71 x 118 cod 12	120,00
500F.106	10.6 x 71 x 118 cod 12	120,00
500F.107	10.7 x 71 x 118 cod 12	120,00
500F.108	10.8 x 71 x 118 cod 12	120,00
500F.109	10.9 x 71 x 118 cod 12	120,00
500F.110	11.0 x 71 x 118 cod 12	120,00
500F.111	11.1 x 71 x 118 cod 12	120,00
500F.112	11.2 x 71 x 118 cod 12	120,00
500F.113	11.3 x 71 x 118 cod 12	120,00
500F.114	11.4 x 71 x 118 cod 12	120,00
500F.115	11.5 x 71 x 118 cod 12	120,00
500F.116	11.6 x 71 x 118 cod 12	120,00
500F.117	11.7 x 71 x 118 cod 12	120,00
500F.118	11.8 x 71 x 118 cod 12	120,00
500F.119	11.9 x 71 x 118 cod 12	120,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
500F.120	12.0 x 71 x 118 cod 12	120,00
500F.121	12.1 x 77 x 124 cod 14	155,00
500F.122	12.2 x 77 x 124 cod 14	155,00
500F.123	12.3 x 77 x 124 cod 14	155,00
500F.124	12.4 x 77 x 124 cod 14	155,00
500F.125	12.5 x 77 x 124 cod 14	155,00
500F.126	12.6 x 77 x 124 cod 14	155,00
500F.127	12.7 x 77 x 124 cod 14	155,00
500F.128	12.8 x 77 x 124 cod 14	155,00
500F.129	12.9 x 77 x 124 cod 14	155,00
500F.130	13.0 x 77 x 124 cod 14	155,00
500F.131	13.1 x 77 x 124 cod 14	155,00
500F.132	13.2 x 77 x 124 cod 14	155,00
500F.133	13.3 x 77 x 124 cod 14	155,00
500F.134	13.4 x 77 x 124 cod 14	155,00
500F.135	13.5 x 77 x 124 cod 14	155,00
500F.136	13.6 x 77 x 124 cod 14	155,00
500F.137	13.7 x 77 x 124 cod 14	155,00
500F.138	13.8 x 77 x 124 cod 14	155,00
500F.139	13.9 x 77 x 124 cod 14	155,00
500F.140	14.0 x 77 x 124 cod 14	155,00
500F.141	14.1 x 83 x 133 cod 16	210,00
500F.142	14.2 x 83 x 133 cod 16	210,00
500F.143	14.3 x 83 x 133 cod 16	210,00
500F.144	14.4 x 83 x 133 cod 16	210,00
500F.145	14.5 x 83 x 133 cod 16	210,00

ART.(Cod.)	DIMENSIONI (mm)	PREZZO (€)
500F.146	14.6 x 83 x 133 cod 16	210,00
500F.147	14.7 x 83 x 133 cod 16	210,00
500F.148	14.8 x 83 x 133 cod 16	210,00
500F.149	14.9 x 83 x 133 cod 16	210,00
500F.150	15.0 x 83 x 133 cod 16	210,00
500F.151	15.1 x 83 x 133 cod 16	210,00
500F.152	15.2 x 83 x 133 cod 16	210,00
500F.153	15.3 x 83 x 133 cod 16	210,00
500F.154	15.4 x 83 x 133 cod 16	210,00
500F.155	15.5 x 83 x 133 cod 16	210,00
500F.156	15.6 x 83 x 133 cod 16	210,00
500F.157	15.7 x 83 x 133 cod 16	210,00
500F.158	15.8 x 83 x 133 cod 16	210,00
500F.159	15.9 x 83 x 133 cod 16	210,00
500F.160	16.0 x 83 x 133 cod 16	210,00
500F.161	16.1 x 93 x 143 cod 18	295,00
500F.162	16.2 x 93 x 143 cod 18	295,00
500F.165	16.5 x 93 x 143 cod 18	295,00
500F.168	16.8 x 93 x 143 cod 18	295,00
500F.170	17.0 x 93 x 143 cod 18	295,00
500F.175	17.5 x 93 x 143 cod 18	295,00
500F.180	18.0 x 93 x 143 cod 18	295,00
500F.185	18.5 x 101 x 153 cod 20	360,00
500F.190	19.0 x 101 x 153 cod 20	360,00
500F.195	19.5 x 101 x 153 cod 20	360,00
500F.200	20.0 x 101 x 153 cod 20	360,00



HRC < 52



Acciai COMUNI

Alluminio

GHISA

INOX



PARAMETRI DI TAGLIO

MATERIALE	DUREZZA	TIPO	VC	Ø				
				Ø 3-5	Ø 5-8	Ø 8.1-12	Ø 12.1-16	Ø 16.1-20
				FZ	FZ	FZ	FZ	FZ
ACCIAI COMUNI	<600N/mm ²	60 / 70	70-90	0.10	0.12	0.15	0.20	0.25
	<800N/mm ²	40 / 70	50-80	0.10	0.12	0.15	0.20	0.25
	<1000N/mm ²	35 / 50	45-60	0.10	0.12	0.13	0.17	0.20
	<1300N/mm ²	30 / 45	40-55	0.10	0.12	0.13	0.17	0.20
ACCIAI DA FUSIONE	<600N/mm	GS 38	40-70	0.05-0.15	0.05-0.20	0.10-0.22	0.10-0.25	0.10-0.25
	<700N/mm	GS 52	30-50	0.04-0.10	0.05-0.15	0.05-0.18	0.08-0.20	0.10-0.20
	>700N/mm	GS 62	25-55	0.04-0.10	0.05-0.15	0.10-0.18	0.08-0.20	0.10-0.20
GHISA	<200N/mm ²	GG 20 GGG 40 GTS 45	80-130	0.10-0.25	0.15-0.30	0.20-0.40	0.25-0.45	0.30-0.50
	<250N/mm ²	GG 30 GGG 50 GTS 40	70-115	0.10-0.20	0.12-0.25	0.15-0.35	0.20-0.40	0.25-0.45
	>250N/mm ²	GG 40 GGG 70 GTS 70	60-100	0.10-0.20	0.12-0.25	0.15-0.35	0.20-0.40	0.25-0.45
	350/450 HB		25-65	0.04-0.10	0.06-0.12	0.08-0.15	0.08-0.15	0.10-0.20
RAME - OTTONE - BRONZO			70-300	0.04-0.10	0.12-0.25	0.20-0.35	0.25-0.45	0.30-0.50
ALLUMINIO	>10% si		90-300	0.10-0.25	0.15-0.35	0.25-0.45	0.30-0.50	0.35-0.55
	<10% si		100-400	0.10-0.25	0.15-0.35	0.25-0.45	0.30-0.50	0.35-0.55
TITANIO			15-45	0.02-0.07	0.04-0.10	0.06-0.12	0.08-0.15	0.08-0.15
ACCIAIO INOX			25-55	0.04-0.10	0.05-0.15	0.05-0.18	0.08-0.20	0.10-0.20



PUNTE IN METALLO DURO 3XD E 5XD
CON E SENZA FORI - RIVESTITE CRALINIT



HIGT QUALITY TOOLS

MC snc

Via Cavour, 91 - 10026 Santena (Torino) - Italy
Tel. +39. 011.9491058 - Fax +39. 011.9491973
p.i. 09169440014 - e-mail: info@mctools.it