

TK MICRO FRÉZY DO MEDI

Mini end mills for copper

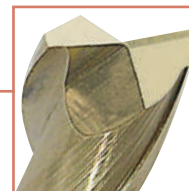


Fresa testa piana in metallo duro integrale

Solid carbide flat nose end mill

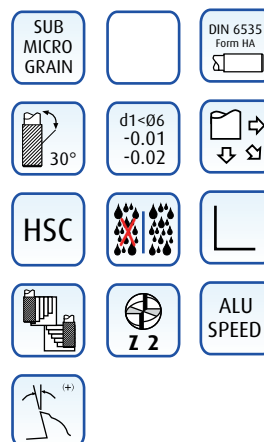
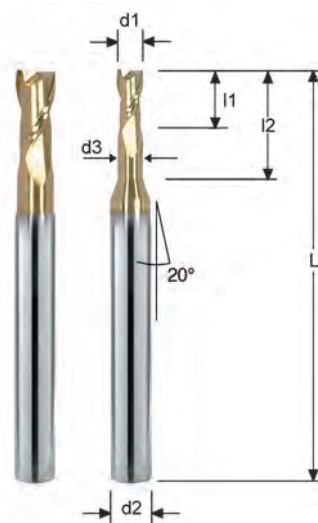
VHM-Schatfräser - Fraise carbure à bout plat

Фреза концевая твердосплавная для меди – Sk rohová fréza



CODE	*d1 mm	d2h6 mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y800.004.02540S4	0.4	4	0.5	2.5	40	0.35	2
Y800.004.02550S4	0.4	4	0.5	2.5	50	0.35	2
Y800.005.0340S4	0.5	4	0.6	3	40	0.45	2
Y800.005.0640S4	0.5	4	0.6	6	40	0.45	2
Y800.005.0350S4	0.5	4	0.6	3	50	0.45	2
Y800.005.0650S4	0.5	4	0.6	6	50	0.45	2
Y800.006.0340S4	0.6	4	0.7	3	40	0.55	2
Y800.006.0640S4	0.6	4	0.7	6	40	0.55	2
Y800.006.0350S4	0.6	4	0.7	3	50	0.55	2
Y800.006.0650S4	0.6	4	0.7	6	50	0.55	2
Y800.008.0440S4	0.8	4	1	4	40	0.75	2
Y800.008.0740S4	0.8	4	1	7	40	0.75	2
Y800.008.0450S4	0.8	4	1	4	50	0.75	2
Y800.008.0750S4	0.8	4	1	7	50	0.75	2
Y800.010.0440S4	1	4	2	4	40	0.95	2
Y800.010.0840S4	1	4	2	8	40	0.95	2
Y800.010.1040S4	1	4	2	10	40	0.95	2
Y800.010.1240S4	1	4	2	12	40	0.95	2
Y800.010.0450S4	1	4	2	4	50	0.95	2
Y800.010.0850S4	1	4	2	8	50	0.95	2
Y800.010.1050S4	1	4	2	10	50	0.95	2
Y800.010.1250S4	1	4	2	12	50	0.95	2
Y800.015.0540S4	1.5	4	2.5	5	40	1.45	2
Y800.015.1040S4	1.5	4	2.5	10	40	1.45	2
Y800.015.0550S4	1.5	4	2.5	5	50	1.45	2
Y800.015.1050S4	1.5	4	2.5	10	50	1.45	2
Y800.015.1550S4	1.5	4	2.5	15	50	1.45	2
Y800.020.0650S4	2	4	3	6	50	1.95	2
Y800.020.1250S4	2	4	3	12	50	1.95	2
Y800.020.1650S4	2	4	3	16	50	1.95	2
Y800.030.1250S4	3	4	5	12	50	2.90	2
Y800.030.1860S4	3	4	5	18	60	2.90	2
Y800.040.1660S6	4	6	8	16	60	3.8	2
Y800.050.1760S6	5	6	10	17	60	4.5	2
Y800.06.21.60	6	6	12	21	60	5.5	2

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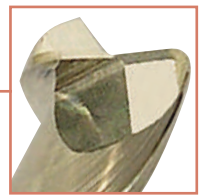


Fresa testa torica in metallo duro integrale

Solid carbide corner radius end mill

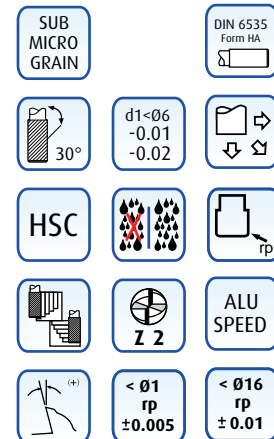
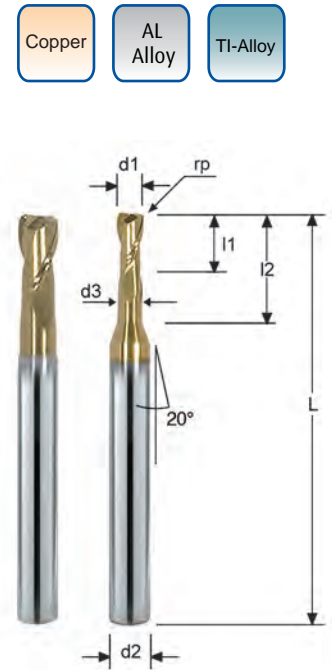
VHM-torusfräser - Fraise carbure avec rayon d'angle

Фреза концевая твердосплавная с угловым радиусом для меди - Sk fréza s rohovým rádiusem



CODE	*d1h8 mm	d2h6 mm	rp mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y800M010.0440R01	1	4	0.1	1.2	4	40	0.95	2
Y800M010.0840R01	1	4	0.1	1.2	8	40	0.95	2
Y800M010.1040R01	1	4	0.1	1.2	10	40	0.95	2
Y800M010.1240R01	1	4	0.1	1.2	12	40	0.95	2
Y800M010.0450R01	1	4	0.1	1.2	4	50	0.95	2
Y800M010.0850R01	1	4	0.1	1.2	8	50	0.95	2
Y800M010.1050R01	1	4	0.1	1.2	10	50	0.95	2
Y800M010.1250R01	1	4	0.1	1.2	12	50	0.95	2
Y800M015.0540R01	1.5	4	0.1	1.8	5	40	1.45	2
Y800M015.1040R01	1.5	4	0.1	1.8	10	40	1.45	2
Y800M015.0550R01	1.5	4	0.1	1.8	5	50	1.45	2
Y800M015.1050R01	1.5	4	0.1	1.8	10	50	1.45	2
Y800M015.1550R01	1.5	4	0.1	1.8	15	50	1.45	2
Y800M020.0650R01	2	4	0.1	2.2	6	50	1.95	2
Y800M020.1050R01	2	4	0.1	2.2	10	50	1.95	2
Y800M020.1250R01	2	4	0.1	2.2	12	50	1.95	2
Y800M020.1650R01	2	4	0.1	2.2	16	50	1.95	2
Y800M030.1250R02	3	4	0.2	7	12	50	2.90	2
Y800M030.1860R02	3	4	0.2	7	18	60	2.90	2
Y800M030.2560R02	3	4	0.2	7	25	60	2.90	2
Y800M040.1660R05	4	6	0.5	8	16	60	3.80	2
Y800M040.2060R05	4	6	0.5	8	20	60	3.80	2
Y800M050.1760R05	5	6	0.5	10	17	60	4.50	2
Y800M06.21.60R1	6	6	1	12	21	60	5.50	2
Y800M08.25.63R1	8	8	1	16	25	63	7.80	2
Y800M10.30.72R1	10	10	1	20	30	72	9.50	2
Y800M12.38.83R15	12	12	1.5	23	38	83	11.5	2
Y800M16.40100R15	16	16	1.5	26	40	100	15.5	2

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Fresa testa sferica 3D in metallo duro integrale

Solid carbide 3D ball nose end mill

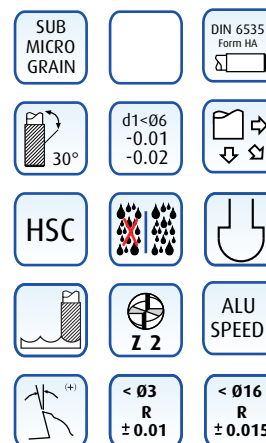
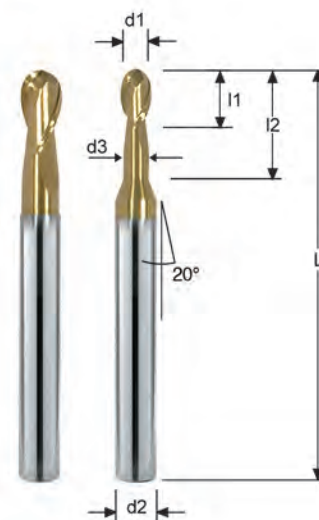
VHM-3D Radiusfräser - Fraise carbure 3D à bout hémisphérique

Фреза концевая твердосплавная радиусная 3D для меди - Sk 3D kulová fréza



CODE	*d1h8 mm	d2h6 mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y800R003.0240S4	0.3	4	0.4	2	40	0.25	2
Y800R003.0440S4	0.3	4	0.4	4	40	0.25	2
Y800R003.0250S4	0.3	4	0.4	2	50	0.25	2
Y800R003.0450S4	0.3	4	0.4	4	50	0.25	2
Y800R004.01540S4	0.4	4	0.4	1.5	40	0.35	2
Y800R004.01550S4	0.4	4	0.4	1.5	50	0.35	2
Y800R005.0240S4	0.5	4	0.6	2	40	0.45	2
Y800R005.0540S4	0.5	4	0.6	5	40	0.45	2
Y800R005.0250S4	0.5	4	0.6	2	50	0.45	2
Y800R005.0550S4	0.5	4	0.6	5	50	0.45	2
Y800R006.0240S4	0.6	4	0.7	2	40	0.55	2
Y800R006.0540S4	0.6	4	0.7	5	40	0.55	2
Y800R006.0250S4	0.6	4	0.7	2	50	0.55	2
Y800R006.0550S4	0.6	4	0.7	5	50	0.55	2
Y800R008.0440S4	0.8	4	0.8	4	40	0.75	2
Y800R008.0840S4	0.8	4	0.8	8	40	0.75	2
Y800R008.0450S4	0.8	4	0.8	4	50	0.75	2
Y800R008.0850S4	0.8	4	0.8	8	50	0.75	2
Y800R010.0440S4	1	4	1.2	4	40	0.95	2
Y800R010.0840S4	1	4	1.2	8	40	0.95	2
Y800R010.1040S4	1	4	1.2	10	40	0.95	2
Y800R010.1240S4	1	4	1.2	12	40	0.95	2
Y800R010.0450S4	1	4	1.2	4	50	0.95	2
Y800R010.0850S4	1	4	1.2	8	50	0.95	2
Y800R010.1050S4	1	4	1.2	10	50	0.95	2
Y800R010.1250S4	1	4	1.2	12	50	0.95	2
Y800R015.0540S4	1.5	4	1.8	5	40	1.45	2
Y800R015.1040S4	1.5	4	1.8	10	40	1.45	2
Y800R015.0550S4	1.5	4	1.8	5	50	1.45	2
Y800R015.1050S4	1.5	4	1.8	10	50	1.45	2
Y800R015.1550S4	1.5	4	1.8	15	50	1.45	2
Y800R020.0650S4	2	4	4	6	50	1.95	2
Y800R020.1050S4	2	4	4	10	50	1.95	2
Y800R020.1250S4	2	4	4	12	50	1.95	2
Y800R020.1650S4	2	4	4	16	50	1.95	2
Y800R030.1250S4	3	4	6	12	50	2.9	2
Y800R030.1860S4	3	4	6	18	60	2.9	2
Y800R040.1660S6	4	6	8	16	60	3.8	2
Y800R050.1760S6	5	6	10	17	60	4.5	2
Y800R06.21.60	6	6	12	21	60	5.5	2
Y800R08.25.63	8	8	16	25	63	7.5	2
Y800R10.30.72	10	10	20	30	72	9.5	2
Y800R12.38.83	12	12	24	38	83	11.5	2
Y800R16.40.100	16	16	26	40	100	15.5	2

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In questa sezione viene utilizzato un speciale rivestimento a basso coefficiente d'attrito ed una geometria specifica per ottimizzare la lavorazione del rame in sgrossatura e finitura.

On this section is used a special coating with low friction coefficient, specific geometry to optimize the processing of copper in roughing and finishing.

In diesem Abschnitt wird eine besondere Beschichtung mit einem niedrigen Reibungskoeffizienten und eine spezifische Geometrie, die Verarbeitung von Kupfer in Schruppen und Schlichten optimiert.

Cette section utilise un revêtement spécial pour le coefficient de frottement faible et une géométrie spécifique pour optimiser le traitement du cuivre dans l'ébauche et la finition.

Специальное покрытие с низким коэффициентом трения, оригинальная геометрия для оптимизации черновой и чистовой операции обработки меди.

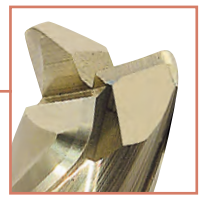
V této části je použit speciální povlak s nízkým koeficientem tření, specifická geometrie pro optimalizaci obrábění mědi v hrubování a dokončování.

Fresa testa torica in metallo duro integrale

Solid carbide corner radius end mill

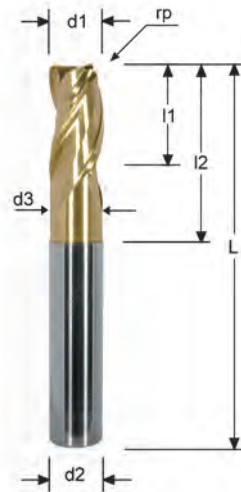
VHM-torusfräser - Fraise carbure avec rayon d'angle

Фреза концевая твердосплавная с угловым радиусом для меди - Sk fréza s rohovým rádiusem



CODE	*d1h8 mm	d2h6 mm	rp mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y803M040.2060R05	4	6	0.5	8	20	60	3.80	3
Y803M050.1760R05	5	6	0.5	10	17	60	4.50	3
Y803M06.21.60R1	6	6	1	12	21	60	5.50	3
Y803M08.25.63R1	8	8	1	16	25	63	7.80	3
Y803M10.30.72R1	10	10	1	20	30	72	9.50	3
Y803M12.38.83R15	12	12	1.5	23	38	83	11.5	3
Y803M16.40100R15	16	16	1.5	26	40	100	15.5	3

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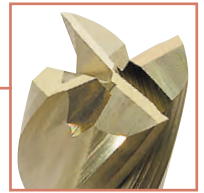
- Copper
- AL Alloy
- Ti-Alloy
- SUB MICRO GRAIN
- DIN 6535 Form HA
- 30°
- d1 < 0.06
-0.01
-0.02
- HSC
- Z 3
- ALU SPEED
- rp ± 0.01

Fresa testa piana in metallo duro integrale

Solid carbide flat nose end mill

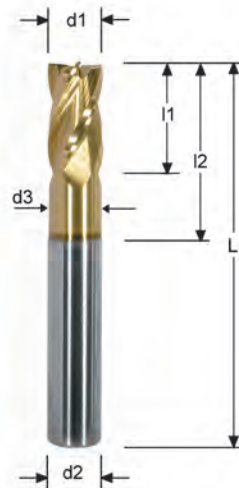
VHM-Schatfräser - Fraise carbure à bout plat

Фреза концевая твердосплавная для меди - Sk rohová fréza



CODE	*d1h8 mm	d2h6 mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y804.040.1660S6	4	6	8	16	60	3.8	4
Y804.050.1760S6	5	6	10	17	60	4.5	4
Y804.06.21.60 6	6	6	12	21	60	5.5	4
Y804.08.25.63	8	8	16	25	63	7.8	4
Y804.08.25.75	8	8	16	25	75	7.8	4
Y804.10.30.72	10	10	20	30	72	9.5	4
Y804.10.30.100	10	10	20	30	100	9.5	4
Y804.12.38.83	12	12	22	38	83	11.5	4
Y804.12.38.100	12	12	22	38	100	11.5	4
Y804.16.40.100	16	16	26	40	100	15.5	4

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- Copper
- AL Alloy
- Ti-Alloy
- SUB MICRO GRAIN
- DIN 6535 Form HA
- 30°
- d1 < 0.06
-0.01
-0.02
- HSC
- Z 4
- ALU SPEED

Formule

Formulas

Formel - Formules

Формулы

Fz (mm) = Avanzamento per Dente
Feed per tooth
Vorschub pro Zain
Avance par dent
Подача на зуб
Posuv na zub

N (1/min) = Velocità di rotazione
Rotation number
Drehzahl
Frequence de rotation
Частота вращения шпинделя
Otáčky

Vc (m/min) = Velocità di taglio
Cutting speed
Schnittgeschwindigkeit
Vitesse de coupe
Скорость резания
Řezná rychlost

Vf (mm/min) = Velocità di avanzamento
Feed Speed
Vorschubgeschwindigkeit
Vitesse d'avance
Скорость подачи
Rychlost posuvu

Q (cm³/min) = Volume truciolo asportato
Quantity of removed chip
Swarf Volumen
Coupeau volume
Количество снимаемой стружки
Množství odebraného materiálu

$$Fz = \frac{Vf}{Z \times N} \text{ mm}$$

$$N = \frac{Vc \times 1000}{\pi \times \emptyset} \text{ 1/min.}$$

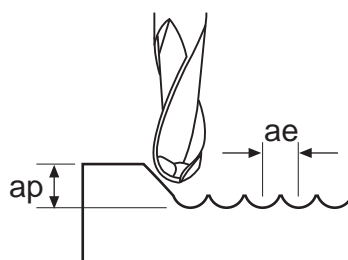
$$Vf = Z \times N \times fz \text{ mm/min.}$$

$$Vc = \frac{\pi \times \emptyset \times N}{1000} \text{ m/min.}$$

$$Q = \frac{a_e \times a_p \times V_f}{1000} \text{ cm}^3/\text{min.}$$

Cutting speed

Richtwerte - Paramètres - Режимы обработки - Řežná rychlost



CODE: Y800R High Speed Cutting

Material		Al Si<6% - АЛЮМИНИЙ				Copper - МЕДЬ				Plastic - АЛЮМИНИЙ			
Ø	l2	Vc	Fz	ae	ap	Vc	Fz	ae	ap	Vc	Fz	ae	ap
0.5	2	80-600	0.009-0.011	0.150-1.0 x d	0.200 x d	60-400	0.009-0.011	0.10-1.0 x d	0.200 x d	60-600	0.009-0.017	0.10-1.0 x d	0.200 x d
	4	80-600	0.008-0.010	0.150-1.0 x d	0.120 x d	55-400	0.008-0.010	0.10-1.0 x d	0.120 x d	55-600	0.008-0.015	0.10-1.0 x d	0.120 x d
	6	80-600	0.008-0.010	0.150-1.0 x d	0.060 x d	50-400	0.008-0.010	0.10-1.0 x d	0.060 x d	50-600	0.008-0.013	0.10-1.0 x d	0.060 x d
0.6	2	90-600	0.014-0.016	0.150-1.0 x d	0.200 x d	70-400	0.014-0.016	0.10-1.0 x d	0.200 x d	70-600	0.018-0.024	0.10-1.0 x d	0.200 x d
	4	90-600	0.013-0.015	0.150-1.0 x d	0.120 x d	60-400	0.013-0.015	0.10-1.0 x d	0.120 x d	60-600	0.016-0.022	0.10-1.0 x d	0.120 x d
	6	90-600	0.013-0.015	0.150-1.0 x d	0.060 x d	60-400	0.013-0.015	0.10-1.0 x d	0.060 x d	60-600	0.016-0.022	0.10-1.0 x d	0.060 x d
0.8	4	120-600	0.016-0.019	0.150-1.0 x d	0.200 x d	70-400	0.016-0.019	0.10-1.0 x d	0.200 x d	90-600	0.018-0.024	0.10-1.0 x d	0.200 x d
	6	120-600	0.015-0.017	0.150-1.0 x d	0.120 x d	60-400	0.015-0.017	0.10-1.0 x d	0.120 x d	90-600	0.016-0.022	0.10-1.0 x d	0.120 x d
	8	120-600	0.015-0.017	0.150-1.0 x d	0.060 x d	60-400	0.015-0.017	0.10-1.0 x d	0.060 x d	90-600	0.016-0.022	0.10-1.0 x d	0.060 x d
1.0	6	150-600	0.022-0.026	0.150-1.0 x d	0.200 x d	100-400	0.022-0.026	0.10-1.0 x d	0.200 x d	100-600	0.028-0.035	0.10-1.0 x d	0.200 x d
	8	150-600	0.020-0.024	0.150-1.0 x d	0.120 x d	90-400	0.020-0.024	0.10-1.0 x d	0.120 x d	90-600	0.026-0.032	0.10-1.0 x d	0.120 x d
	12	150-600	0.018-0.022	0.150-1.0 x d	0.060 x d	80-400	0.018-0.022	0.10-1.0 x d	0.060 x d	80-600	0.022-0.028	0.10-1.0 x d	0.060 x d
1.5	6	190-600	0.028-0.035	0.150-1.0 x d	0.200 x d	120-400	0.028-0.035	0.10-1.0 x d	0.200 x d	120-600	0.028-0.035	0.10-1.0 x d	0.200 x d
	8	190-600	0.026-0.032	0.150-1.0 x d	0.120 x d	120-400	0.026-0.032	0.10-1.0 x d	0.120 x d	110-600	0.026-0.032	0.10-1.0 x d	0.120 x d
	10	190-600	0.025-0.030	0.150-1.0 x d	0.060 x d	110-400	0.025-0.030	0.10-1.0 x d	0.060 x d	100-600	0.022-0.028	0.10-1.0 x d	0.060 x d
2.0	6	190-600	0.042-0.048	0.150-1.0 x d	0.200 x d	120-400	0.042-0.048	0.10-1.0 x d	0.200 x d	120-600	0.042-0.047	0.10-1.0 x d	0.200 x d
	10	190-600	0.032-0.038	0.150-1.0 x d	0.120 x d	110-400	0.032-0.038	0.10-1.0 x d	0.120 x d	110-600	0.038-0.043	0.10-1.0 x d	0.120 x d
3.0	9	200-600	0.030-0.070	0.150-1.0 x d	0.200 x d	100-400	0.040-0.080	0.10-1.0 x d	0.200 x d	150-600	0.040-0.060	0.10-1.0 x d	0.200 x d
4.0	12	200-600	0.050-0.100	0.150-1.0 x d	0.200 x d	100-400	0.050-0.100	0.10-1.0 x d	0.200 x d	150-600	0.050-0.100	0.10-1.0 x d	0.200 x d
6.0	21	200-600	0.050-0.100	0.150-1.0 x d	0.200 x d	100-400	0.080-0.120	0.10-1.0 x d	0.200 x d	150-600	0.080-0.120	0.10-1.0 x d	0.200 x d
8.0	26	200-600	0.060-0.120	0.150-1.0 x d	0.200 x d	100-400	0.100-0.120	0.10-1.0 x d	0.200 x d	150-600	0.100-0.120	0.10-1.0 x d	0.200 x d
10.0	31	200-600	0.070-0.130	0.150-1.0 x d	0.200 x d	100-400	0.100-0.140	0.10-1.0 x d	0.200 x d	150-600	0.100-0.140	0.10-1.0 x d	0.200 x d
12.0	37	200-600	0.070-0.140	0.150-1.0 x d	0.200 x d	100-400	0.100-0.150	0.10-1.0 x d	0.200 x d	150-600	0.100-0.150	0.10-1.0 x d	0.200 x d
16.0	66	200-600	0.090-0.160	0.150-1.0 x d	0.200 x d	100-400	0.120-0.160	0.10-1.0 x d	0.200 x d	150-600	0.120-0.160	0.10-1.0 x d	0.200 x d
20.0	78	200-600	0.160-0.200	0.150-1.0 x d	0.200 x d	100-400	0.160-0.200	0.10-1.0 x d	0.200 x d	150-600	0.160-0.200	0.10-1.0 x d	0.200 x d

Cutting speed

Richtwerte - Paramètres - Режимы обработки - Řežná rychlost

CODE: Y800 - Y804 - Y800M - Y803M Slot Milling

Material		AL Si<6% - АЛЮМИНИЙ				Copper - МЕДЬ				Plastic - АЛЮМИНИЙ			
Ø	l2	Vc	Fz	ae	ap	Vc	Fz	ae	ap	Vc	Fz	ae	ap
0.5	2	90-600	0.009-0.012	1 x d	0.300 x d	60-400	0.007-0.009	1 x d	0.300 x d	60-600	0.009-0.017	1 x d	0.300 x d
	4	80-600	0.008-0.011	1 x d	0.180 x d	55-400	0.006-0.008	1 x d	0.180 x d	55-600	0.008-0.015	1 x d	0.180 x d
	6	70-600	0.007-0.010	1 x d	0.120 x d	50-400	0.004-0.007	1 x d	0.120 x d	50-600	0.008-0.013	1 x d	0.120 x d
0.6	2	90-600	0.014-0.016	1 x d	0.300 x d	70-400	0.014-0.016	1 x d	0.300 x d	70-600	0.018-0.024	1 x d	0.300 x d
	4	90-600	0.013-0.015	1 x d	0.180 x d	60-400	0.013-0.015	1 x d	0.180 x d	60-600	0.016-0.022	1 x d	0.180 x d
	6	90-600	0.013-0.015	1 x d	0.100 x d	60-400	0.013-0.015	1 x d	0.100 x d	60-600	0.016-0.022	1 x d	0.100 x d
0.8	4	90-600	0.014-0.016	1 x d	0.300 x d	70-400	0.014-0.016	1 x d	0.300 x d	90-600	0.018-0.024	1 x d	0.300 x d
	6	90-600	0.013-0.015	1 x d	0.175 x d	60-400	0.013-0.015	1 x d	0.175 x d	90-600	0.016-0.022	1 x d	0.175 x d
	8	90-600	0.013-0.015	1 x d	0.110 x d	60-400	0.013-0.015	1 x d	0.110 x d	90-600	0.016-0.022	1 x d	0.110 x d
1.0	6	150-600	0.018-0.024	1 x d	0.300 x d	100-400	0.018-0.024	1 x d	0.300 x d	100-600	0.020-0.035	1 x d	0.300 x d
	8	140-600	0.016-0.022	1 x d	0.170 x d	90-400	0.016-0.022	1 x d	0.170 x d	90-600	0.018-0.032	1 x d	0.170 x d
	12	130-600	0.016-0.020	1 x d	0.110 x d	80-400	0.014-0.018	1 x d	0.110 x d	80-600	0.018-0.028	1 x d	0.110 x d
1.5	6	190-600	0.018-0.025	1 x d	0.300 x d	120-400	0.018-0.024	1 x d	0.300 x d	120-600	0.020-0.035	1 x d	0.300 x d
	8	180-600	0.017-0.023	1 x d	0.170 x d	120-400	0.017-0.022	1 x d	0.170 x d	110-600	0.018-0.032	1 x d	0.170 x d
	10	170-600	0.017-0.023	1 x d	0.160 x d	110-400	0.016-0.020	1 x d	0.160 x d	100-600	0.018-0.028	1 x d	0.160 x d
2.0	6	190-600	0.025-0.035	1 x d	0.300 x d	120-400	0.020-0.030	1 x d	0.300 x d	120-600	0.020-0.035	1 x d	0.300 x d
	10	180-600	0.025-0.035	1 x d	0.200 x d	110-400	0.018-0.028	1 x d	0.200 x d	110-600	0.020-0.032	1 x d	0.200 x d
3.0	9	200-600	0.020-0.030	1 x d	0.300 x d	100-400	0.020-0.030	1 x d	0.300 x d	150-600	0.020-0.028	1 x d	0.300 x d
4.0	12	200-600	0.030-0.040	1 x d	0.300 x d	100-400	0.020-0.030	1 x d	0.300 x d	150-600	0.030-0.040	1 x d	0.300 x d
5.0	15	200-600	0.040-0.050	1 x d	0.500 x d	100-400	0.030-0.040	1 x d	0.500 x d	150-600	0.040-0.050	1 x d	0.500 x d
6.0	21	200-600	0.050-0.060	1 x d	0.500 x d	100-400	0.040-0.050	1 x d	0.500 x d	150-600	0.050-0.060	1 x d	0.500 x d
8.0	26	200-600	0.060-0.070	1 x d	0.500 x d	100-400	0.050-0.060	1 x d	0.500 x d	150-600	0.060-0.080	1 x d	0.500 x d
10.0	31	200-600	0.070-0.080	1 x d	0.500 x d	100-400	0.070-0.080	1 x d	0.500 x d	150-600	0.080-0.100	1 x d	0.500 x d
12.0	38	200-600	0.090-0.100	1 x d	0.500 x d	100-400	0.080-0.090	1 x d	0.500 x d	150-600	0.100-0.120	1 x d	0.500 x d
16.0	66	200-600	0.120-0.140	1 x d	0.500 x d	100-400	0.100-0.120	1 x d	0.500 x d	150-600	0.120-0.160	1 x d	0.500 x d
20.0	78	200-600	0.150-0.170	1 x d	0.500 x d	100-400	0.130-0.150	1 x d	0.500 x d	150-600	0.160-0.200	1 x d	0.500 x d

CODE: Y800 - Y804 - Y800M - Y803M Side Milling

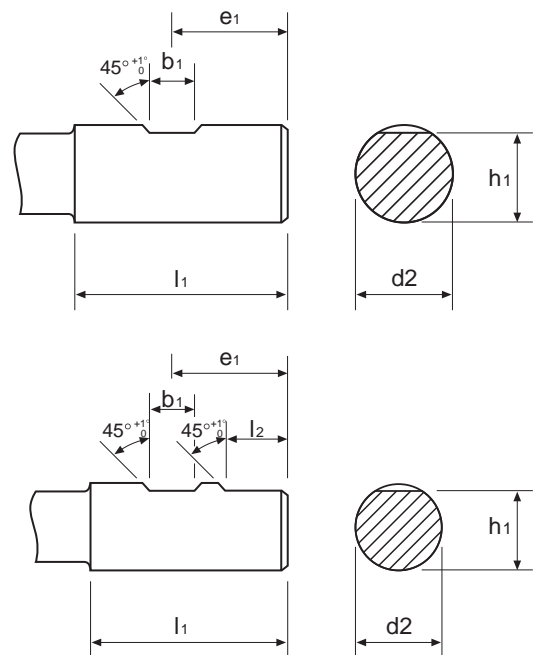
Material		AL Si<6% - АЛЮМИНИЙ				Copper - МЕДЬ				Plastic - АЛЮМИНИЙ			
Ø	l2	Vc	Fz	ae	ap	Vc	Fz	ae	ap	Vc	Fz	ae	ap
0.5	2	90-700	0.012-0.016	0.2-0.5 x d	1 x d	60-250	0.009-0.012	0.2-0.5 x d	1 x d	60-250	0.009-0.017	0.2-0.5 x d	1 x d
	4	80-700	0.011-0.015	0.2-0.5 x d	1 x d	55-250	0.008-0.011	0.2-0.5 x d	1 x d	55-250	0.008-0.015	0.2-0.5 x d	1 x d
	6	70-700	0.009-0.013	0.2-0.5 x d	1 x d	50-250	0.005-0.009	0.2-0.5 x d	1 x d	50-250	0.008-0.013	0.2-0.5 x d	1 x d
0.6	2	90-700	0.019-0.021	0.2-0.5 x d	1 x d	70-250	0.018-0.020	0.2-0.5 x d	1 x d	70-250	0.018-0.024	0.2-0.5 x d	1 x d
	4	90-700	0.017-0.020	0.2-0.5 x d	1 x d	60-250	0.016-0.019	0.2-0.5 x d	1 x d	60-250	0.016-0.022	0.2-0.5 x d	1 x d
	6	90-700	0.017-0.020	0.2-0.5 x d	1 x d	60-250	0.016-0.019	0.2-0.5 x d	1 x d	60-250	0.016-0.022	0.2-0.5 x d	1 x d
0.8	4	90-700	0.019-0.021	0.2-0.5 x d	1 x d	70-250	0.018-0.020	0.2-0.5 x d	1 x d	70-250	0.018-0.024	0.2-0.5 x d	1 x d
	6	90-700	0.017-0.020	0.2-0.5 x d	1 x d	60-250	0.016-0.019	0.2-0.5 x d	1 x d	60-250	0.016-0.022	0.2-0.5 x d	1 x d
	8	90-700	0.017-0.020	0.2-0.5 x d	1 x d	60-250	0.016-0.019	0.2-0.5 x d	1 x d	60-250	0.016-0.022	0.2-0.5 x d	1 x d
1.0	6	150-700	0.024-0.032	0.2-0.5 x d	1 x d	100-250	0.023-0.030	0.2-0.5 x d	1 x d	100-250	0.020-0.035	0.2-0.5 x d	1 x d
	8	140-700	0.021-0.029	0.2-0.5 x d	1 x d	90-250	0.020-0.028	0.2-0.5 x d	1 x d	90-250	0.018-0.032	0.2-0.5 x d	1 x d
	12	130-700	0.021-0.027	0.2-0.5 x d	1 x d	80-250	0.018-0.023	0.2-0.5 x d	1 x d	80-250	0.018-0.028	0.2-0.5 x d	1 x d
1.5	6	190-700	0.024-0.033	0.2-0.5 x d	1 x d	120-250	0.023-0.030	0.2-0.5 x d	1 x d	120-250	0.020-0.035	0.2-0.5 x d	1 x d
	8	180-700	0.023-0.031	0.2-0.5 x d	1 x d	120-250	0.021-0.028	0.2-0.5 x d	1 x d	120-250	0.018-0.032	0.2-0.5 x d	1 x d
	10	170-700	0.023-0.031	0.2-0.5 x d	1 x d	110-250	0.020-0.025	0.2-0.5 x d	1 x d	110-250	0.018-0.028	0.2-0.5 x d	1 x d
2.0	6	190-700	0.033-0.047	0.2-0.5 x d	1 x d	120-250	0.025-0.038	0.2-0.5 x d	1 x d	120-250	0.020-0.035	0.2-0.5 x d	1 x d
	10	180-700	0.033-0.048	0.2-0.5 x d	1 x d	110-250	0.023-0.035	0.2-0.5 x d	1 x d	110-250	0.020-0.032	0.2-0.5 x d	1 x d
3.0	9	200-700	0.027-0.030	0.2-0.5 x d	1 x d	100-250	0.025-0.038	0.2-0.5 x d	1 x d	100-250	0.020-0.030	0.2-0.5 x d	1 x d
4.0	12	200-700	0.040-0.053	0.2-0.5 x d	1 x d	100-250	0.025-0.038	0.2-0.5 x d	1 x d	100-250	0.030-0.040	0.2-0.5 x d	1 x d
5.0	15	200-700	0.053-0.067	0.2-0.5 x d	1 x d	100-250	0.038-0.050	0.2-0.5 x d	1 x d	100-250	0.040-0.050	0.2-0.5 x d	1 x d
6.0	21	200-700	0.067-0.080	0.2-0.5 x d	1 x d	100-250	0.050-0.063	0.2-0.5 x d	1 x d	100-250	0.050-0.060	0.2-0.5 x d	1 x d
8.0	26	200-700	0.080-0.093	0.2-0.5 x d	1 x d	100-250	0.063-0.075	0.2-0.5 x d	1 x d	100-250	0.060-0.080	0.2-0.5 x d	1 x d
10.0	31	200-700	0.093-0.107	0.2-0.5 x d	1 x d	100-250	0.088-0.100	0.2-0.5 x d	1 x d	100-250	0.080-0.100	0.2-0.5 x d	1 x d
12.0	37	200-700	0.120-0.133	0.2-0.5 x d	1 x d	100-250	0.100-0.113	0.2-0.5 x d	1 x d	100-250	0.100-0.120	0.2-0.5 x d	1 x d
16.0	43	200-700	0.120-0.140	0.2-0.5 x d	1 x d	100-250	0.125-0.150	0.2-0.5 x d	1 x d	100-250	0.120-0.160	0.2-0.5 x d	1 x d
20.0	78	200-700	0.150-0.170	0.2-0.5 x d	1 x d	100-250	0.163-0.188	0.2-0.5 x d	1 x d	100-250	0.160-0.200	0.2-0.5 x d	1 x d

Dimensioni gambi weldon DIN 6535 HB a richiesta

Weldon shank dimentions DIN 6535 HB on request

Dimension Weldon DIN 6535 HB auf Anfrage - Dimensions queue weldon DIN 6535 HB sur demande
Хвостовик типа Weldon DIN 6535 HB

d2 mm	b1 mm	e1 mm	h1 mm	l1 mm	l2 mm
6	4.2	18.0	5.1	36	-
8	5.5	18.0	6.9	36	-
10	7.0	20.0	8.5	40	-
12	8.0	22.5	10.4	45	-
14	8.0	22.5	12.7	45	-
16	10.0	24.0	14.2	48	-
18	10.0	24.0	16.2	48	-
20	11.0	25.0	18.2	50	-
25	12.0	32.0	23.0	56	17
32	14.0	36.0	30.0	60	19



Dimensioni gambi flat DIN 6535 HE a richiesta

Whistle notch shank dimentions DIN 6535 HE on request

Dimension spannflache DIN 6535 HE auf anfrage - Dimensions queue flat DIN 6535 HE sur demande
Хвостовик типа HEWeldon DIN 6535

d2 mm	b1 mm	b2 mm	h2 mm	h1 mm	l1 mm	l3 mm	l2 mm	r mm
6	3.5	4.8	5.4	4.8	36	25	18	1.2
8	4.7	6.1	7.2	6.6	36	25	18	1.2
10	5.7	7.3	9.1	8.4	40	28	20	1.2
12	6.0	8.2	11.2	10.4	45	33	22.5	1.2
16	7.6	10.1	15.0	14.2	48	36	24	1.6
20	8.4	11.5	19.1	18.2	50	38	25	1.6
25	9.3	13.6	24.1	23.0	56	44	32	1.6
32	9.4	15.5	31.2	30.0	60	48	35	1.6

