

FREZY DO OBRÓBKI ALUMINIUM I TWORZYW SZTUCZNYCH

CENY OBOWIĄZUJĄ W ROKU 2017 DO ODWOŁANIA

E.7684.0

Frez prawotnący z lewoskrętną spiralą (dociskający)

d1	l2	l1	d2 h6	Nr katalogowy	Cena katalogowa € netto/szt.	Cena specjalna € netto/szt.
2.00	8.00	40.00	2.00	E.7684.0.0200	15.50	10.85
3.00	12.00	50.00	3.00	E.7684.0.0300	15.50	10.85
4.00	15.00	50.00	4.00	E.7684.0.0400	18.80	13.16
5.00	16.00	50.00	5.00	E.7684.0.0500	23.20	16.24
6.00	20.00	60.00	6.00	E.7684.0.0800	28.70	18.69
8.00	22.00	65.00	8.00	E.7684.0.0800	49.30	30.31
10.00	25.00	75.00	10.00	E.7684.0.1000	65.10	45.57
12.00	35.00	85.00	12.00	E.7684.0.1200	86.10	60.27

E.7606.0

d1 h8	l2	l1	d2 h6	Artikelnummer Article-No.	Cena katalogowa € netto/szt.	Cena specjalna € netto/szt.
2.00	8.00	38.00	2.00	E.7606.0.0200	12.50	8.28 €
3.00	12.00	38.00	3.00	E.7606.0.0300	12.50	8.28 €
4.00	12.00	40.00	4.00	E.7606.0.0400	13.50	8.94 €
5.00	14.00	50.00	5.00	E.7606.0.0500	17.20	11.40 €
6.00	16.00	50.00	6.00	E.7606.0.0600	20.30	13.45 €
7.00	20.00	60.00	7.00	E.7606.0.0700	23.40	15.50 €
8.00	20.00	60.00	8.00	E.7606.0.0800	28.10	18.62 €
9.00	20.00	60.00	9.00	E.7606.0.0900	35.80	23.19 €
10.00	22.00	70.00	10.00	E.7606.0.1000	41.50	27.49 €
11.00	22.00	70.00	11.00	E.7606.0.1100	53.80	35.64 €
12.00	22.00	70.00	12.00	E.7606.0.1200	53.10	35.18 €
13.00	25.00	75.00	13.00	E.7606.0.1300	70.30	46.57 €
14.00	25.00	75.00	14.00	E.7606.0.1400	73.40	48.63 €

E.7606.0L

d1 h8	l2	l1	d2 h6	Artikelnummer Article-No.	Cena katalogowa € netto/szt.	Cena specjalna € netto/szt.
3.00	20.00	55.00	3.00	E.7606.0L.0300	19.40	12.85 €
4.00	20.00	60.00	4.00	E.7606.0L.0400	23.90	15.24 €
5.00	20.00	60.00	5.00	E.7606.0L.0500	25.30	16.76 €
6.00	24.00	65.00	6.00	E.7606.0L.0600	27.20	18.02 €
8.00	32.00	80.00	8.00	E.7606.0L.0800	40.50	26.83 €
10.00	32.00	80.00	10.00	E.7606.0L.1000	59.90	39.68 €
12.00	50.00	100.00	12.00	E.7606.0L.1200	79.90	52.34 €
14.00	50.00	100.00	14.00	E.7606.0L.1400	95.90	63.14 €

Frezy VHM do dibondu, do frezowania rowków pod zaginanie tworzyw warstwowych typu Dibond, Tubond, Reynobond, Alucobond itp. pod kątem 90 i 135, na chwycie 6 lub 8 mm.

CENY FREZÓW 90 STOPNI:
VE90123 - 125.00 PLN NETTO
VE90125 - 125.00 PLN NETTO

CENY FREZÓW 135 STOPNI:
VE13503 - 145.00 PLN NETTO
VE13505 - 145.00 PLN NETTO

E.6602.0

d1	l2	l1	d2 h6	Nr katalogowy	Cena katalogowa € netto/szt.	Cena specjalna € netto/szt.
1.00	4.50	35.00	3.00	E.6602.0.0100	20.80 €	14.85 €
1.50	6.00	50.00	3.00	E.6602.0.0150	18.40 €	12.53 €
2.00	10.00	40.00	2.00	E.6602.0.0200.10	16.00 €	8.40 €
2.50	6.50	35.00	3.00	E.6602.0.0250	26.60 €	19.05 €
3.00	10.00	40.00	3.00	E.6602.0.0300.10	16.90 €	8.63 €
4.00	10.00	40.00	4.00	E.6602.0.0400.10	16.90 €	12.45 €
4.00	14.00	54.00	4.00	E.6602.0.0400.14	18.00 €	13.20 €
5.00	16.00	60.00	5.00	E.6602.0.0500.16	21.10 €	15.83 €
6.00	14.00	50.00	6.00	E.6602.0.0600.14	24.00 €	18.00 €
6.00	20.00	60.00	6.00	E.6602.0.0600.20	23.00 €	16.05 €
8.00	25.00	75.00	8.00	E.6602.0.0800.25	35.00 €	24.75 €
10.00	25.00	75.00	10.00	E.6602.0.1000.25	44.00 €	33.00 €
12.00	25.00	75.00	12.00	E.6602.0.1200.25	76.00 €	54.50 €

E.7607.0

d1 h7	l2	l1	d2 h6	Nr katalogowy	Cena katalogowa € netto/szt.	Cena specjalna € netto/szt.
2.00	8.00	38.00	2.00	E.7607.0.0200	15.50	10.27 €
2.50	8.00	38.00	2.50	E.7607.0.0250	15.50	10.27 €
3.00	12.00	38.00	3.00	E.7607.0.0300	17.90	11.46 €
3.50	12.00	40.00	3.50	E.7607.0.0350	19.60	12.99 €
4.00	12.00	40.00	4.00	E.7607.0.0400	19.80	12.99 €
4.50	14.00	50.00	4.50	E.7607.0.0450	23.50	15.57 €
5.00	14.00	50.00	5.00	E.7607.0.0500	23.50	15.57 €
5.50	16.00	50.00	5.50	E.7607.0.0550	28.00	18.55 €
6.00	16.00	50.00	6.00	E.7607.0.0600	28.00	18.55 €
6.50	16.00	50.00	6.50	E.7607.0.0650	35.90	23.79 €
7.00	20.00	60.00	7.00	E.7607.0.0700	35.90	23.79 €
8.00	20.00	60.00	8.00	E.7607.0.0800	42.20	27.96 €
8.50*	20.00	60.00	8.50	E.7607.0.0850	39.00	Na zapytanie
9.00*	20.00	60.00	9.00	E.7607.0.0900	39.00	Na zapytanie
9.50*	22.00	70.00	9.50	E.7607.0.0950	48.00	Na zapytanie
10.00*	22.00	70.00	10.00	E.7607.0.1000	58.80	Na zapytanie
11.00*	22.00	70.00	11.00	E.7607.0.1100	61.00	Na zapytanie
12.00*	22.00	70.00	12.00	E.7607.0.1200	78.10	Na zapytanie

Parametry skrawania

E.6602.0 / E.7684.0 / E.7607.0		Obróbka wykańczająca											
Schuppen sp=0.0 / aw=0.0		Ve m/min											
Schichten sp=1.50 / aw=0.10		Ø 1.0-6.0		Ø 6.0-10.0		Ø 10.0-16.0		Ø 16.0-20.0		Ø 20.0-25.0			
Materialbezeichnung / material description		Nr.	vee	bis	vee	bis	vee	bis	vee	bis	vee	bis	
N	Al- und Al-Legierungen / Al- und Al-alloys <10% Si	4.1	280	330	0.005	0.018	0.018	0.030	0.030	0.065	0.065	0.100	0.100
	Al- und Al-Legierungen / Al- und Al-alloys <12% Si	4.2	240	280	0.005	0.018	0.018	0.030	0.030	0.065	0.065	0.100	0.100
	Al-Legierungen / Al alloys >12% Si	4.3	200	250	0.005	0.018	0.018	0.030	0.030	0.065	0.065	0.100	0.100
	Duro- und Thermoplaste / duro- and thermoplastics	4.5	130	180	0.005	0.018	0.018	0.030	0.030	0.065	0.065	0.100	0.100

E.6602.0 / E.7684.0 / E.7607.0		Obróbka zgrubna											
Schuppen sp=1.0 / aw=0.50		Ve m/min											
Schichten sp=0.0 / aw=0.0		Ø 1.0-6.0		Ø 6.0-10.0		Ø 10.0-16.0		Ø 16.0-20.0		Ø 20.0-25.0			
Materialbezeichnung / material description		Nr.	vee	bis	vee	bis	vee	bis	vee	bis	vee	bis	
N	Al- und Al-Legierungen / Al- und Al-alloys <10% Si	4.1	180	210	0.005	0.018	0.018	0.030	0.030	0.055	0.055	0.090	0.090
	Al- und Al-Legierungen / Al- und Al-alloys <12% Si	4.2	130	170	0.005	0.018	0.018	0.030	0.030	0.055	0.055	0.090	0.090
	Al-Legierungen / Al alloys >12% Si	4.3	100	130	0.005	0.018	0.018	0.030	0.030	0.055	0.055	0.090	0.090
	Duro- und Thermoplaste / duro- and thermoplastics	4.5	100	130	0.005	0.018	0.018	0.030	0.030	0.055	0.055	0.090	0.090



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