



UTENSILERIA
 **CHIMERA**_{SRL}



Maggio 2019

Aluminium endmill

EPN-AL • EPA-AL

Volume 1



KEY FEATURES: EPN-AL • EPA-AL SERIES



1 ALC Coating

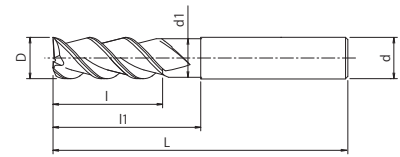
2 Positive rake angle

3 Solid carbide



EPN-AL-3FS NEW

Milling | Solid carbide



- Carbide end mill, bright finish
- For aluminium and copper alloys
- 3 flutes, short length of cut



line Plus

CARBIDE

40°

h6

e8



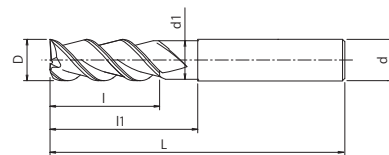
EDP	Z	D	F (margin width)	L	l1	l	d1	d	Price
EP019703	3	3	0.05 x 45°	50	7	4	2,8	6	31,40 €
EP019704	3	4	0.05 x 45°	54	8	5	3,8	6	32,90 €
EP019705	3	5	0.1 x 45°	54	9	6	4,8	6	32,90 €
EP019706	3	6	0.1 x 45°	54	15	7	5,8	6	29,00 €
EP019708	3	8	0.1 x 45°	55	17	9	7,8	8	38,50 €
EP019710	3	10	0.1 x 45°	60	20	11	9,8	10	50,70 €
EP019712	3	12	0.2 x 45°	70	24	12	11,8	12	73,70 €
EP019716	3	16	0.2 x 45°	80	28	16	15,8	16	112,40 €
EP019720	3	20	0.2 x 45°	82	32	20	19,8	20	189,60 €

Milling | Solid carbide



EPN-AL-3FL NEW

Milling | Solid carbide



- Carbide end mill, bright finish
- For aluminium and copper alloys
- 3 flutes, long length of cut



EDP	Z	D	F (margin width)	L	l1	l	d1	d	Price
EP019803	3	3	0.05 x 45°	57	12	9	2,9	6	36,90 €
EP019804	3	4	0.05 x 45°	57	16	11	3,8	6	36,90 €
EP019805	3	5	0.1 x 45°	57	18	13	4,8	6	33,30 €
EP019806	3	6	0.1 x 45°	57	20	13	5,8	6	30,40 €
EP019808	3	8	0.1 x 45°	63	25	19	7,8	8	39,80 €
EP019810	3	10	0.1 x 45°	72	32	22	9,8	10	54,00 €
EP019812	3	12	0.2 x 45°	83	38	26	11,8	12	78,00 €
EP019816	3	16	0.2 x 45°	92	50	32	15,8	16	122,70 €
EP019820	3	20	0.2 x 45°	104	62	38	19,8	20	196,50 €

Milling | Solid carbide




CUTTING CONDITIONS

Milling | Endmills | Cutting conditions

EPN-AL-3FS/FL


Side milling

	Aluminium wrought alloys	Aluminium cast alloy >5% Si <10% Si
	Vc	400 - 600 (m/min)
Ø	fz (mm)	fz (mm)
3	0,027	0,024
4	0,036	0,032
5	0,045	0,041
6	0,054	0,049
8	0,072	0,065
10	0,090	0,081
12	0,108	0,097
16	0,144	0,130
20	0,195	0,175

ae max. 60% x D ap = 1xD

EPN-AL-3FS/FL


Slotting

	Aluminium wrought alloys	Aluminium cast alloy >5% Si <10% Si
	Vc	400 - 600 (m/min)
Ø	fz (mm)	fz (mm)
3	0,019	0,017
4	0,025	0,022
5	0,032	0,029
6	0,038	0,034
8	0,050	0,046
10	0,063	0,057
12	0,076	0,068
16	0,101	0,091
20	0,137	0,123

ap = 1xD

EPA-AL-3FS/FL


Side milling

	Aluminium wrought alloys	Aluminium cast alloy >5% Si <10% Si
	Vc	500 - 800 (m/min)
Ø	fz (mm)	fz (mm)
3	0,027	0,024
4	0,036	0,032
5	0,045	0,041
6	0,054	0,049
8	0,072	0,065
10	0,090	0,081
12	0,108	0,097
16	0,144	0,130
20	0,195	0,175

ae max. 60% x D ap = 1xD

EPA-AL-3FS/FL

Slotting

	Aluminium wrought alloys	Aluminium cast alloy >5% Si <10% Si
	Vc	500 - 800 (m/min)
Ø	fz (mm)	fz (mm)
3	0,019	0,017
4	0,025	0,022
5	0,032	0,029
6	0,038	0,034
8	0,050	0,046
10	0,063	0,057
12	0,076	0,068
16	0,101	0,091
20	0,137	0,123

ap = 1xD





shaping your dreams

OSG EUROPE LOGISTICS

Avenue Lavoisier 1
B-1300 Z.I. Wavre - Nord - Belgium
Tel: +32 10 23 05 07
Fax: +32 10 23 05 51
info@osgeurope.com

OSG BELUX

Avenue Lavoisier 1
B-1300 Z.I. Wavre - Nord - Belgium
Tel: +32 10 23 05 11
Fax: +32 10 23 05 31
info@osg-belgium.com

OSG FRANCE

Parc Icade, Paris Nord 2
Immeuble "Le Rimbaud"
22 Avenue des Nations
CS66191 - 93420 Villepinte - France
Tel: +33 1 49 90 10 10
Fax: +33 1 49 90 10 15
sales@osg-france.com

OSG NETHERLANDS

Bedrijfsweg 5 - 3481 MG Harmelen
Tel: +31 348 44 2764
Fax: +31 348 44 2144
info@osg-nl.com

OSG UK

Shelton house, 5 Bentalls
Pipps Hill Ind Est, Basildon Essex SS14 3BY
Tel: +44 845 305 1066
Fax: +44 845 305 1067
sales@osg-uk.com

SLOVAKIA

Branch office of OSG Europe Logistics s.a.
Tel (SK) +421 2 4329 1295
Tel (BE) +32 10 23 05 07
Fax (BE) +32 10 23 05 51
sales-osgsvk@osgeurope.com

OSG POLAND Sp. z.o.o.

Spółdzielcza 57
05-074 Halinów - Poland
Tel: +22 760 82 71
Fax: +22 760 82 71
osg@osg-poland.com

OSG GERMANY

Karl-Ehmann-Str. 25
D - 73037 Göppingen - Germany
Tel: +49 7161 6064 - 0
Fax: +49 7161 6064 - 444
info@osg-germany.de

OSG SCANDINAVIA

(For Scandinavian countries)
Langebjergvaenget 16
4000 Roskilde - Denmark
Tel: +45 46 75 65 55
Fax: +45 46 75 67 00
osg@osg-scandinavia.com

SWEDEN

Branch office of OSG SCANDINAVIA
Abrahams Gränd 8
295 35 Bromölla - Sweden
Tel: +46 40 41 22 55
Fax: +46 40 41 32 55
osg@osg-scandinavia.com

OSG IBERICA

Bekolarra 4
E - 01010 Vitoria-Gasteiz - Spain
Tel: +34 945 242 400
Fax: +34 945 228 883
osg.iberica@osg-ib.com

RUSSIA

Butlerova street, 17B, office 5069
117342 Moscow - Russia
Tel: +7 (495) 150 41 54
info@osg-russia.com

OSG TURKEY

Rami Kışla Cad.No:56 Eyüp
Istanbul 34056 - Turkey
Tel:+90 212 565 24 00
Fax: +90 212 565 44 00
info@osg-turkey.com

ROMSAN INTERNATIONAL CO. SRL

Reprezentant Exclusiv OSG
23-25, Nerva Traian Street
031044 Bucuresti - România
Tel: +40 021 322 07 47
Fax: +40 021 321 56 00
romsan.int@romsan.ro

AUSTRIA

Branch office of OSG GERMANY
Messestraße 11
A-6850 Dornbirn
Tel: +49 7161 6064-0
Fax: +49 7161 6064-444
info@osg-germany.de

OSG ITALIA

Via Cirenaica n. 52 int. 61/63
I - 10142 Torino - Italy
Tel: +39 0117705211
Fax: +39 0117071402
info@osg-italia.it

Vischer & Bolli AG

Machining and Workholding
Im Schossacher 17
CH-8600 Dübendorf
T +41 44 802 15 15
F +41 44 802 15 95
info@vb-tools.com

OSG EUROPE LOGISTICS S.A.

05/2019 - All rights reserved. © OSG Europe 2019

The contents of this catalogue are provided to you for viewing only. They are not intended for reproduction either in part or in whole in this or other medium. They cannot be copied, used to create derivation work or used for any reason, by means without the express, written permission of the copyright owner. If prices are stated, they are netto unit-prices and any eventual tax(es) have to be added. The company is not responsible for any printing error in technical, price and/or any other data.

Tool specifications subject to change without notice.

www.osgeurope.com

UTENSILERIA CHIMERA SRL
UTENSILERIA MECCANICA DI PRECISIONE – STRUMENTI DI MISURA
ACCESSORI MACCHINE UTENSILI – COMPONENTI PER STAMPI
Zona Ind. San Zeno – Strada A 35/A – Tel. +39 0575 959615 – Fax +39 0575 998773
52100 – AREZZO – ITALY – www.utensileriachimera.it – info@utensileriachimera.it