

# Merlin Tools Ltd



## Solid Carbide PMX ASP52 Roughers HSSE Roughers

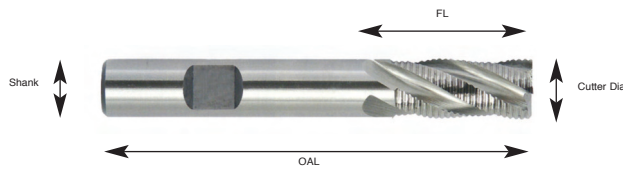


ISO 9001:2008

**NEW  
PRODUCT  
LINES**

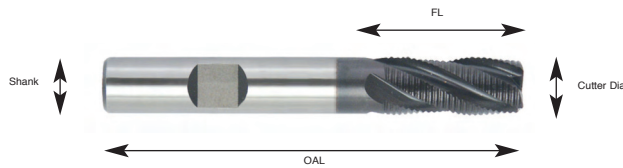
# Fine Pitch Cobalt Roughers

Izar - HSCO 8% - M42 -Bright Finish  
DIN 844 NR-F - ISO 1641 - 30° Helix - Fine Multi-Flute Square End Reg. Length-Roughers



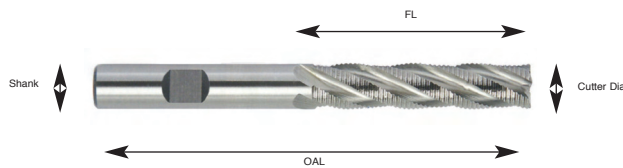
CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
6	6	13	57	4644-46517	4
8	10	19	69	4644-46523	4
10	10	22	72	4644-46529	4
12	12	26	83	4644-46532	4
14	12	26	83	4644-46535	4
16	16	32	92	4644-46538	4
18	16	32	92	4644-46541	4
20	20	38	104	4644-46544	4
25	25	45	121	4644-52347	5
30	25	45	121	4644-52362	5

Izar - Performance HSCO 8% - M42 - TiALN  
DIN 844 NR-F - ISO 1641 - 30° Helix - Fine Multi-Flute Square End Reg. Length-Roughers



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
6	6	13	57	4644-41780	4
8	10	19	69	4644-41782	4
10	10	22	72	4644-41784	4
12	12	26	83	4644-41786	4
14	12	26	83	4644-41788	4
16	16	32	92	4644-41790	4
18	16	32	92	4644-41792	4
20	20	38	104	4644-41794	4
25	25	45	121	4644-41795	5
30	25	45	121	4644-41796	5

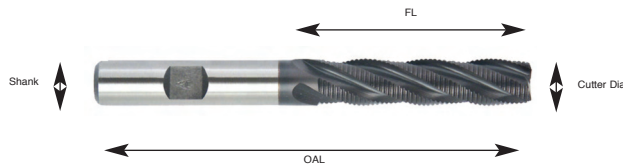
Izar - HSCO 8% - M42 -Bright Finish  
DIN 844 NR-F - ISO 1641 - 30° Helix - Fine Multi-Flute Square End Long Length-Roughers



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
10	10	45	95	4696-43272	4
12	12	53	110	4696-43275	4
14	12	53	110	4696-43276	4
16	16	63	123	4696-43278	4
18	16	63	123	4696-43281	4
20	20	75	141	4696-43282	4
25	25	90	166	4696-43287	5
30	25	90	166	4696-43289	5

Izar - Performance HSCO 8% - M42 - TiALN - DIN 844 NR-F - ISO 1641  
30° Helix - Fine Multi-Flute Square End Long Length-Roughers

**NEW**



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
10	10	45	95	4696-18768	4
12	12	53	110	4696-18770	4
14	12	53	110	4696-17895	4
16	16	63	123	4696-17896	4
18	16	63	123	4696-18782	4
20	20	75	141	4696-18778	4
25	25	90	166	4696-18779	5
30	25	90	166	4696-18780	5

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- ✓ **Extremely Competitive Pricing**
- ✓ **Ex Stock Delivery on All Tools**

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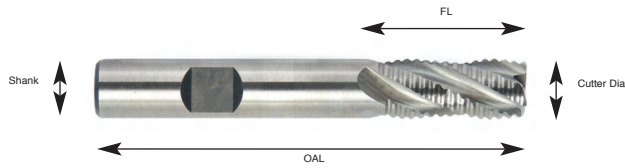
Quality  
Precision  
Performance

Manufactured in the USA  
Distributed in the UK



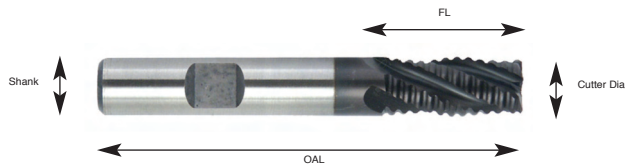
# Coarse Pitch Cobalt Roughers

## Izar - HSCO 8% - M42 - Bright Finish DIN 844 NR - ISO 1641 - 30° Helix – Coarse - Multi-Flute Square End Reg. Length-Roughers



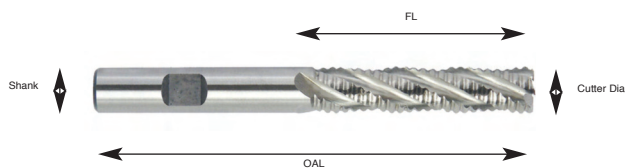
CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
6	6	13	57	4640-46457	4
8	10	19	69	4640-46460	4
10	10	22	72	4640-46463	4
12	12	26	83	4640-46466	4
14	12	26	83	4640-46469	4
16	16	32	92	4640-46472	4
18	16	32	92	4640-46475	4
20	20	38	104	4640-76478	4
25	25	45	121	4640-46484	5
32	32	53	133	4640-46493	6

## Izar Performance - HSCO 8% - M42 - TiAlN DIN 844 NR - ISO 1641 - 30° Helix – Coarse - Multi-Flute Square End Reg. Length-Roughers



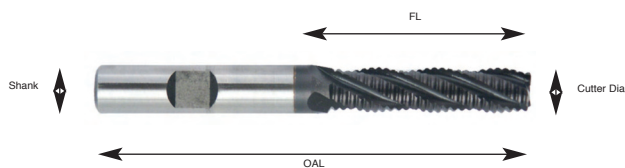
CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
6	6	13	57	4640-41756	4
8	10	19	69	4640-41758	4
10	10	22	72	4640-41760	4
12	12	26	83	4640-41762	4
14	12	26	83	4640-41764	4
16	16	32	92	4640-41766	4
18	16	32	92	4640-41768	4
20	20	38	104	4640-41770	4
25	25	45	121	4640-41773	5
32	32	53	133	4640-41777	6

## Izar - HSCO 8% - M42 - Bright Finish DIN 844 NR - ISO 1641 - 30° Helix – Coarse - Multi-Flute Square End Long Length-Roughers



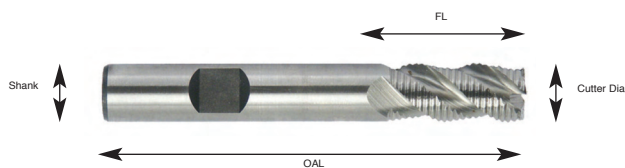
CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
10	10	45	95	4690-46634	4
12	12	53	110	4690-46637	4
14	12	53	110	4690-46640	4
16	16	63	123	4690-46643	4
18	16	63	123	4690-46646	4
20	20	75	141	4690-46649	4
25	25	90	166	4690-46655	5
32	32	100	186	4690-46661	6

## Izar Performance - HSCO 8% - M42 - TiAlN DIN 844 NR - ISO 1641 - 30° Helix – Coarse - Multi-Flute Square End Long Length-Roughers



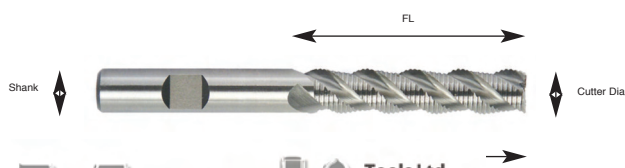
CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
10	10	45	95	4690-43084	4
12	12	53	110	4690-43086	4
14	12	53	110	4690-43087	4
16	16	63	123	4690-43089	4
18	16	63	123	4690-43090	4
20	20	75	141	4690-43092	4
25	25	90	166	4690-18165	5
32	32	100	186	4690-18180	6

## Izar - HSCO 8% - M42 - Bright Finish - Aluminium DIN 844 WR - ISO 1641/1 - 40° Helix – Coarse - 3-Flute Square End Reg Length-Roughers



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
10	10	22	72	4447-44747
12	12	26	83	4447-44750
16	16	32	92	4447-44756
20	20	38	104	4447-44762
25	25	45	121	4447-44768
30	25	45	121	4447-40334

## Izar - HSCO 8% - M42 - Bright Finish - Aluminium DIN 844 WR - ISO 1641/1 - 40° Helix – Coarse - 3-Flute Square End Long Length-Roughers



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
10	10	45	95	4497-78863
12	12	53	110	4497-78864
16	16	63	123	4497-78866
20	20	75	141	4497-78868
25	25	90	166	4497-40338
30	30	90	166	4497-40342

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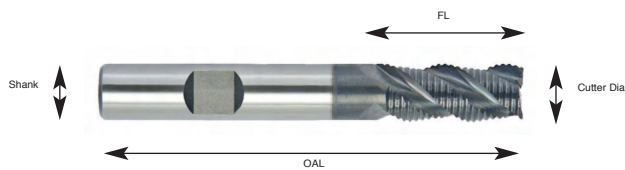
Quality  
Precision  
Performance

Manufactured in the USA  
Distributed in the UK



# Fine Pitch PMX ASP52 Roughers

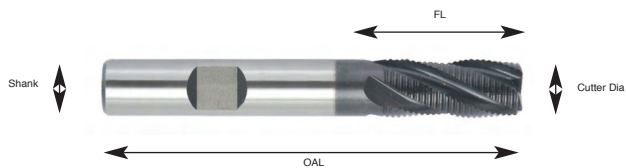
Izarmax - High Performance PMX - TiALN  
ASP 52 - DIN 844 NR-F - 30° Helix - Fine - 3 Flute Square End Reg. Length-Roughers



(Special End Mills for Stainless Steel)

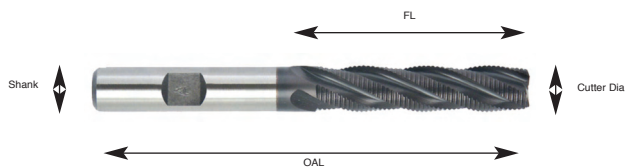
CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
4	6	11	55	6444 -21017	3
5	6	13	57	6444 -21018	3
6	6	13	57	6444 -21019	3
8	10	19	69	6444 -21020	3
10	10	22	72	6444 -21021	3
12	12	26	83	6444 -21022	3
14	12	26	83	6444 -21023	3
16	16	32	92	6444 -21024	3
18	16	32	92	6444 -21025	3
20	20	38	104	6444 -21026	3
25	25	45	121	6444 -21027	3
30	25	45	121	6444 -21028	3

Izarmax - High Performance PMX - TiALN  
ASP 52 - DIN 844 NR-F - 30° Helix - Fine - Multi-Flute Square End Reg. Length-Roughers



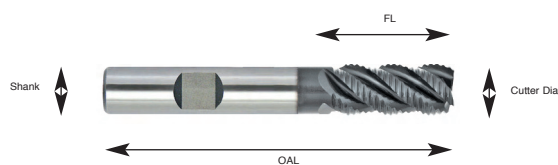
CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
6	6	13	57	6644 -45529	4
8	10	19	69	6644 -45532	4
10	10	22	72	6644 -45535	5
12	12	26	83	6644 -45537	5
14	12	26	83	6644 -45538	5
16	16	32	92	6644 -45540	5
18	16	32	92	6644 -45543	5
20	20	38	104	6644 -45546	5
25	25	45	121	6644 -45549	5
32	32	53	133	6644 -45248	6

Izarmax - High Performance PMX - TiALN  
ASP 52 - DIN 844 NR-F - 30° Helix - Fine - Multi-Flute Square End Long Length-Roughers



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
6	6	24	68	6696 -45558	4
8	10	38	88	6696 -45561	4
10	10	45	95	6696 -45564	4
12	12	53	110	6696 -45567	4
14	12	53	110	6696 -45568	4
16	16	63	123	6696 -45570	4
18	16	63	123	6696 -45571	4
20	20	75	141	6696 -45573	4
25	25	90	166	6696 -45574	5
32	32	106	186	6696 -45261	6

Izarmax - High Performance PMX - TiALN  
ASP 52 - DIN 844 NR-F - 45° Helix - Fine - Multi-Flute Square End Reg. Length-Roughers



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER	No. of Flutes
6	6	13	57	6647 -29139	4
8	10	19	69	6647 -29141	4
10	10	22	72	6647 -29143	4
12	12	26	83	6647 -29144	4
14	12	26	83	6647 -29145	4
16	16	32	92	6647 -29146	5
18	16	32	92	6647 -29147	5
20	20	38	104	6647 -29148	5
25	25	45	121	6647 -29152	5

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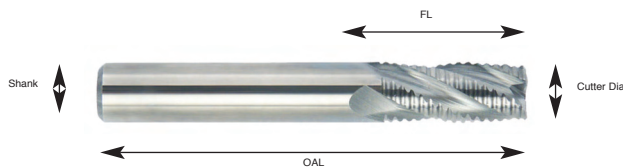
Quality  
Precision  
Performance

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Distributed in the UK



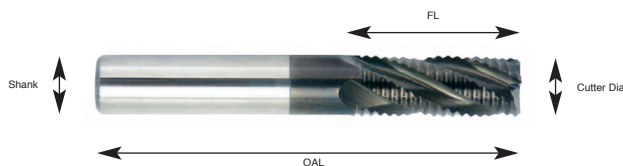
# Solid Carbide Roughers

## Performance Solid Carbide - Bright Finish - Fine Centre Cutting End-Mills 30° Helix – Micro-Grain K30 4-flute Roughing Mill



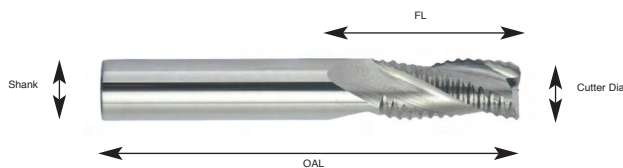
CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
6	6	19	63	600 -10510
8	8	19	63	600 -10512
10	10	22	70	600 -10514
12	12	25	75	600 -10516
16	16	32	88	600 -10520
20	20	38	100	600 -10524
25	25	38	100	600 -10529

## High Performance – Solid Carbide - Coated - TiALN - Fine Centre Cutting End-Mills 30° Helix – Micro-Grain K30 4-flute Roughing Mill



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
6	6	19	63	609 -10510
8	8	19	63	609 -10512
10	10	22	70	609 -10514
12	12	25	75	609 -10516
16	16	32	88	609 -10520
20	20	38	100	609 -10524
25	25	38	100	609 -10529

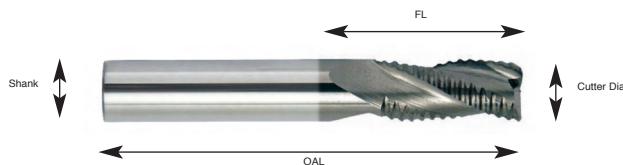
## Performance Solid Carbide - Bright Finish - Fine Centre Cutting End-Mills 30° Helix – Micro-Grain K30 3-flute Roughing Mill



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
6	6	19	63	530 -10410
8	8	19	63	530 -10412
10	10	22	70	530 -10414
12	12	25	75	530 -10416
16	16	32	88	530 -10420
20	20	38	100	530 -10424
25	25	38	100	530 -10429

## High Performance Solid Carbide -Coated TiALN Centre Cutting 30° Helix – Fine Micro-Grain K30 3-flute Roughing Mill

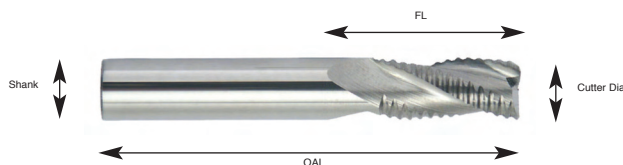
**NEW**



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
6	6	19	63	539 -10410
8	8	19	63	539 -10412
10	10	22	70	539 -10414
12	12	25	75	539 -10416
16	16	32	88	539 -10420
20	20	38	100	539 -10424
25	25	38	100	539 -10429

## High Performance Solid Carbide - Centre Cutting 30° Helix Coarse Micro-Grain K30 3-flute Roughing Mill For Aluminium

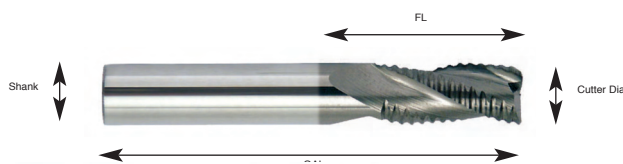
**NEW**



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
6	6	19	63	603 -10410
8	8	19	63	603 -10412
10	10	22	70	603 -10414
12	12	25	75	603 -10416
16	16	32	88	603 -10420
20	20	38	100	603 -10424
25	25	38	100	603 -10429

## High Performance Solid Carbide - Coated (ZrN) Centre Cutting 30° Helix Coarse Micro-Grain K30 3-flute Roughing Mill For Aluminium

**NEW**



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
6	6	19	63	699 -10410
8	8	19	63	699 -10412
10	10	22	70	699 -10414
12	12	25	75	699 -10416
16	16	32	88	699 -10420
20	20	38	100	699 -10424
25	25	38	100	699 -10429

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Quality  
Precision  
Performance





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