

# Merlin Tools Ltd



## Solid Carbide Aluminium Range

Manufactured in the USA  
Distributed in the UK



ISO 9001:2008

**NEW  
PRODUCT  
LINES**

# Long Series Tools for Aluminium

## Ultra-High Performance Solid Carbide - H/S/M 50° Helix for Aluminium Micro-grain K30 2-flute Long Reduced Shank



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
6	5	6	100	256-14310
8	7	8	100	256-14312
10	9	10	100	256-14314
12	11	12	100	256-14316
14	12	14	125	256-14318
16	14	16	125	256-14320
18	16	18	125	256-14322
20	18	20	150	256-14324

## Ultra-High Performance Solid Carbide - H/S/M 40° Helix for Aluminium Micro-grain K30 2-flute Long-Reach



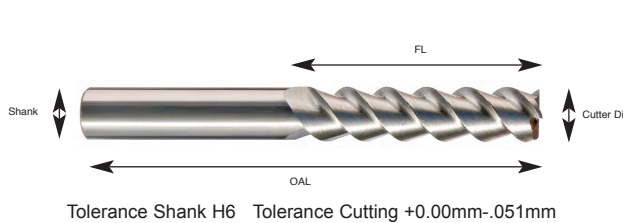
CUTTER DIA	SHANK DIA	FL	OAL	NECK DIA.	REACH	PART NUMBER
3	6	3	75	2.5	12	255-12305
4	6	4	75	3.5	15	255-12307
5	6	5	75	4.5	20	255-12309
6	6	6	100	5	20	255-12310
8	8	6	100	7	25	255-12312
10	10	10	100	9	25	255-12314
12	12	12	100	11	40	255-12316
14	14	12	125	13	50	255-12318
16	16	12	125	14	50	255-12320
18	18	14	125	16	50	255-12322
20	20	16	150	18	65	255-12324

## Ultra-High Performance Solid Carbide - H/S/M 40° Helix for Aluminium Micro-grain K30 3-flute Long-Reach



CUTTER DIA	SHANK DIA	FL	OAL	NECK DIA.	REACH	PART NUMBER
6	6	6	100	5	20	355-13310
8	8	6	100	7	25	355-13312
10	10	10	100	9	25	355-13314
12	12	12	100	11	40	355-13316
14	14	12	125	13	50	355-13318
16	16	12	125	14	50	355-13320
18	18	14	125	16	50	355-13322
20	20	16	150	18	65	355-13324

## Ultra-High Performance Solid Carbide - H/S/M 55° Helix for Aluminium Micro-grain K30 3-flute Long Alumazip



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
3	6	15	75	357-13605
4	6	20	75	357-13607
5	6	25	75	357-13609
6	6	35	100	357-13610
8	8	45	100	357-13612
10	10	45	100	357-13614
12	12	50	100	357-13616
14	14	50	100	357-13618
16	16	60	150	357-13620
18	18	60	150	357-13622
20	20	60	150	357-13624

# Extra Long Series Tools for Aluminium

## Ultra-High Performance Solid Carbide - H/S/M 40° Helix for Aluminium Extra Long - Micro-grain K30 2-flute - Long Reach

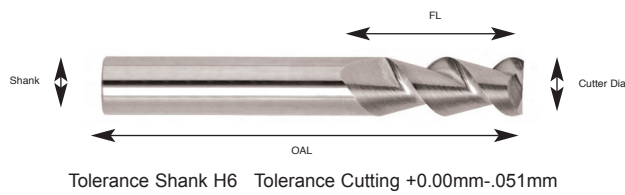
**NEW**



CUTTER DIA	SHANK DIA	FL	OAL	NECK DIA.	REACH	PART NUMBER
6	6	6	150	5	20	255-12310XL
8	8	8	150	7	25	255-12312XL
10	10	10	150	9	25	255-12314XL
12	12	12	150	11	40	255-12316XL
14	14	14	175	13	50	255-12318XL
16	16	16	200	14	50	255-12320XL
18	18	18	200	16	50	255-12322XL
20	20	20	200	18	65	255-12324XL

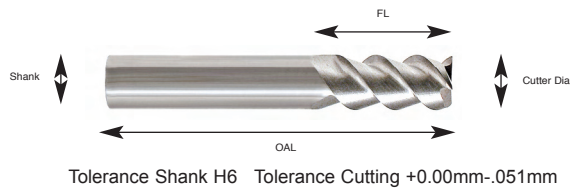
# Standard Length Tools for Aluminium

## Ultra-High Performance Solid Carbide - H/S/M 55° Helix for Aluminium Micro-grain K30 2-flute Alumazip



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
3	3	12	38	254 -11305
4	4	14	50	254 -11307
5	5	19	50	254 -11309
6	6	19	63	254 -11310
8	8	19	63	254 -11312
10	10	22	70	254 -11314
12	12	25	83	254 -11316
14	14	30	88	254 -11318
16	16	32	88	254 -11320
20	20	38	100	254 -11324
25	25	38	100	254 -11329

## Ultra-High Performance Solid Carbide - H/S/M 55° Helix for Aluminium Micro-grain K30 3-flute Alumazip

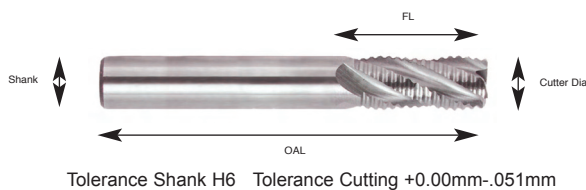


CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
3	3	12	38	356 -13505
4	4	15	50	356 -13507
5	5	20	50	356 -13509
6	6	20	64	356 -13510
8	8	22	64	356 -13512
10	10	25	70	356 -13514
12	12	25	76	356 -13516
14	14	30	90	356 -13518
16	16	35	90	356 -13520
18	18	35	90	356 -13522
20	20	40	100	356 -13524

# Roughing Tools for Aluminium

## Performance Solid Carbide - Bright Finish Centre Cutting 30° Helix - for Aluminium - Coarse - Micro-grain K30 3-flute Roughing Mill

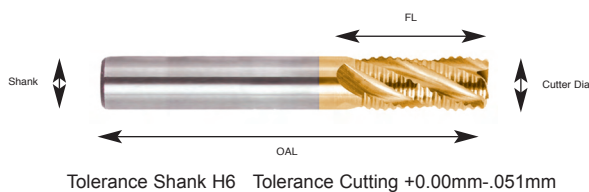
**NEW**



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 - for Aluminium - Coarse - Micro-grain K30 3-flute Roughing Mill

**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

✓ **Specials & Modifications Service**

✓ **Extremely Competitive Pricing**

✓ **Ex Stock Delivery on All Tools**



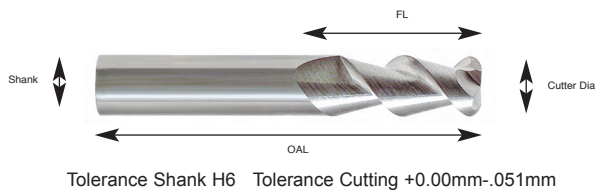
Quality  
Precision  
Performance

Manufactured in the USA  
Distributed in the UK



# Corner Radius Tools for Aluminium

Ultra-High Performance Solid Carbide - H/S/M 55° Helix for Aluminium  
Micro-grain K30 2-flute Alumazip Corner Radius

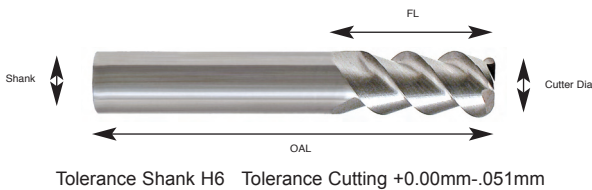


 **All Corner Radius Tools  
Ex Stock**

CUTTER DIA	SHANK DIA	FL	OAL	Corner Radius	PART NUMBER
3	3	12	38	0.5	254-11305-0.5R
3	3	12	38	1.0	254-11305-1.0R
4	4	14	50	0.5	254-11307-0.5R
4	4	14	50	1.0	254-11307-1.0R
5	5	19	50	0.5	254-11309-0.5R
5	5	19	50	1.0	254-11309-1.0R
6	6	19	63	0.5	254-11310-0.5R
6	6	19	63	1.0	254-11310-1.0R
6	6	19	63	1.5	254-11310-1.5R
6	6	19	63	2.0	254-11310-2.0R
8	8	19	63	0.5	254-11312-0.5R
8	8	19	63	1.0	254-11312-1.0R
8	8	19	63	1.5	254-11312-1.5R
8	8	19	63	2.0	254-11312-2.0R
8	8	19	63	3.0	254-11312-3.0R
10	10	22	70	0.5	254-11314-0.5R
10	10	22	70	1.0	254-11314-1.0R
10	10	22	70	1.5	254-11314-1.5R
10	10	22	70	2.0	254-11314-2.0R
10	10	22	70	3.0	254-11314-3.0R
12	12	25	83	0.5	254-11316-0.5R
12	12	25	83	1.0	254-11316-1.0R
12	12	25	83	1.5	254-11316-1.5R
12	12	25	83	2.0	254-11316-2.0R
12	12	25	83	3.0	254-11316-3.0R
14	14	30	83	0.5	254-11318-0.5R
14	14	30	83	1.0	254-11318-1.0R
16	16	32	88	0.5	254-11320-0.5R
16	16	32	88	1.0	254-11320-1.0R
16	16	32	88	1.5	254-11320-1.5R
16	16	32	88	2.0	254-11320-2.0R
16	16	32	88	3.0	254-11320-3.0R
16	16	32	88	4.0	254-11320-4.0R
18	18	35	88	0.5	254-11322-0.5R
18	18	35	88	1.0	254-11322-1.0R
20	20	38	100	0.5	254-11324-0.5R
20	20	38	100	1.0	254-11324-1.0R
20	20	38	100	1.5	254-11324-1.5R
20	20	38	100	2.0	254-11324-2.0R
20	20	38	100	3.0	254-11324-3.0R
20	20	38	100	4.0	254-11324-4.0R

Ultra-High Performance Solid Carbide - H/S/M 55° Helix for Aluminium  
Micro-grain K30 3-flute Alumazip Corner Radius

**NEW**



 **Extremely Competitive  
Pricing**

CUTTER DIA	SHANK DIA	FL	OAL	Corner Radius	PART NUMBER
3	3	12	38	0.5	356-13505-0.5R
3	3	12	38	1.0	356-13505-1.0R
4	4	15	50	0.5	356-13507-0.5R
4	4	15	50	1.0	356-13507-1.0R
5	5	20	50	0.5	356-13509-0.5R
5	5	20	50	1.0	356-13509-1.0R
6	6	20	64	0.5	356-13510-0.5R
6	6	20	64	1.0	356-13510-1.0R
6	6	20	64	1.5	356-13510-1.5R
6	6	20	64	2.0	356-13510-2.0R
8	8	22	64	0.5	356-13512-0.5R
8	8	22	64	1.0	356-13512-1.0R
8	8	22	64	1.5	356-13512-1.5R
8	8	22	64	2.0	356-13512-2.0R
8	8	22	64	3.0	356-13512-3.0R
10	10	25	70	0.5	356-13514-0.5R
10	10	25	70	1.0	356-13514-1.0R
10	10	25	70	1.5	356-13514-1.5R
10	10	25	70	2.0	356-13514-2.0R
10	10	25	70	3.0	356-13514-3.0R
12	12	25	76	0.5	356-13516-0.5R
12	12	25	76	1.0	356-13516-1.0R
12	12	25	76	1.5	356-13516-1.5R
12	12	25	76	2.0	356-13516-2.0R
12	12	25	76	3.0	356-13516-3.0R
14	14	30	90	0.5	356-13518-0.5R
14	14	30	90	1.0	356-13518-1.0R
16	16	35	90	0.5	356-13520-0.5R
16	16	35	90	1.0	356-13520-1.0R
16	16	35	90	1.5	356-13520-1.5R
16	16	35	90	2.0	356-13520-2.0R
16	16	35	90	3.0	356-13520-3.0R
16	16	35	90	4.0	356-13520-4.0R
18	18	35	90	0.5	356-13522-0.5R
18	18	35	90	1.0	356-13522-1.0R
20	20	40	100	0.5	356-13524-0.5R
20	20	40	100	1.0	356-13524-1.0R
20	20	40	100	1.5	356-13524-1.5R
20	20	40	100	2.0	356-13524-2.0R
20	20	40	100	3.0	356-13524-3.0R
20	20	40	100	4.0	356-13524-4.0R

**Merlin** Tools Ltd

Quality  
Precision  
Performance

Manufactured in the USA  
Distributed in the UK

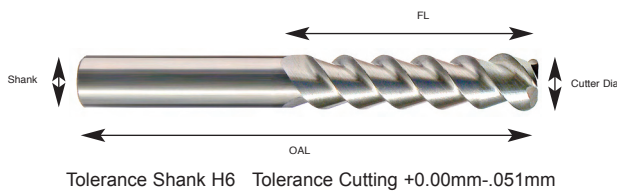


Tel: 01509 610300 • Fax: 01509 610400 • Email: sales@merlintools.ltd.uk • www.merlintools.ltd.uk

# Long Series Corner Radius Tools for Aluminium

Ultra-High Performance Solid Carbide - H/S/M 55° Helix for Aluminium  
Micro-grain K30 3-flute Long Alumazip Corner Radius

**NEW**



CUTTER DIA	SHANK DIA	FL	OAL	Corner Radius	PART NUMBER
3	6	15	75	0.5	357 -13605-0.5R
3	6	15	75	1.0	357 -13605-1.0R
4	6	20	75	0.5	357 -13607-0.5R
4	6	20	75	1.0	357 -13607-1.0R
5	6	25	75	0.5	357 -13609-0.5R
5	6	25	75	1.0	357 -13609-1.0R
6	6	35	100	0.5	357 -13610-0.5R
6	6	35	100	1.0	357 -13610-1.0R
6	6	35	100	1.5	357 -13610-1.5R
6	6	35	100	2.0	357 -13610-2.0R
8	8	45	100	0.5	357 -13612-0.5R
8	8	45	100	1.0	357 -13612-1.0R
8	8	45	100	1.5	357 -13612-1.5R
8	8	45	100	2.0	357 -13612-2.0R
8	8	45	100	3.0	357 -13612-3.0R
10	10	45	100	0.5	357 -13614-0.5R
10	10	45	100	1.0	357 -13614-1.0R
10	10	45	100	1.5	357 -13614-1.5R
10	10	45	100	2.0	357 -13614-2.0R
10	10	45	100	3.0	357 -13614-3.0R
12	12	50	100	0.5	357 -13616-0.5R
12	12	50	100	1.0	357 -13616-1.0R
12	12	50	100	1.5	357 -13616-1.5R
12	12	50	100	2.0	357 -13616-2.0R
12	12	50	100	3.0	357 -13616-3.0R
14	14	50	100	0.5	357 -13618-0.5R
14	14	50	100	1.0	357 -13618-1.0R
16	16	60	150	0.5	357 -13620-0.5R
16	16	60	150	1.0	357 -13620-1.0R
16	16	60	150	1.5	357 -13620-1.5R
16	16	60	150	2.0	357 -13620-2.0R
16	16	60	150	3.0	357 -13620-3.0R
16	16	60	150	4.0	357 -13620-4.0R
18	18	60	150	0.5	357 -13622-0.5R
18	18	60	150	1.0	357 -13622-1.0R
20	20	60	150	0.5	357 -13624-0.5R
20	20	60	150	1.0	357 -13624-1.0R
20	20	60	150	1.5	357 -13624-1.5R
20	20	60	150	2.0	357 -13624-2.0R
20	20	60	150	3.0	357 -13624-3.0R
20	20	60	150	4.0	357 -13624-4.0R

**All Corner Radius Tools  
Ex Stock**

Ultra-High Performance Solid Carbide - H/S/M 40° Helix for Aluminium  
Micro-grain K30 2-flute Long-Reach Corner Radius



CUTTER DIA	SHANK DIA	FL	OAL	NECK DIA	REACH	Corner Radius	PART NUMBER
3	6	3	75	2.5	12	0.5	255 -12305-0.5R
3	6	3	75	2.5	12	1.0	255 -12305-1.0R
4	6	4	75	3.5	15	0.5	255 -12307-0.5R
4	6	4	75	3.5	15	1.0	255 -12307-1.0R
5	6	5	75	4.5	20	0.5	255 -12309-0.5R
5	6	5	75	4.5	20	1.0	255 -12309-1.0R
6	6	6	100	5	20	0.5	255 -12310-0.5R
6	6	6	100	5	20	1.0	255 -12310-1.0R
6	6	6	100	5	20	1.5	255 -12310-1.5R
6	6	6	100	5	20	2.0	255 -12310-2.0R
8	8	8	100	7	25	0.5	255 -12312-0.5R
8	8	8	100	7	25	1.0	255 -12312-1.0R
8	8	8	100	7	25	1.5	255 -12312-1.5R
8	8	8	100	7	25	2.0	255 -12312-2.0R
8	8	8	100	7	25	3.0	255 -12312-3.0R
10	10	10	100	9	25	0.5	255 -12314-0.5R
10	10	10	100	9	25	1.0	255 -12314-1.0R
10	10	10	100	9	25	1.5	255 -12314-1.5R
10	10	10	100	9	25	2.0	255 -12314-2.0R
10	10	10	100	9	25	3.0	255 -12314-3.0R
12	12	12	100	11	40	0.5	255 -12316-0.5R
12	12	12	100	11	40	1.0	255 -12316-1.0R
12	12	12	100	11	40	1.5	255 -12316-1.5R
12	12	12	100	11	40	2.0	255 -12316-2.0R
12	12	12	100	11	40	3.0	255 -12316-3.0R
14	14	14	125	13	50	0.5	255 -12318-0.5R
14	14	14	125	13	50	1.0	255 -12318-1.0R
16	16	16	125	14	50	0.5	255 -12320-0.5R
16	16	16	125	14	50	1.0	255 -12320-1.0R
16	16	16	125	14	50	1.5	255 -12320-1.5R
16	16	16	125	14	50	2.0	255 -12320-2.0R
16	16	16	125	14	50	3.0	255 -12320-3.0R
16	16	16	125	14	50	4.0	255 -12320-4.0R
20	20	20	150	18	65	0.5	255 -12324-0.5R
20	20	20	150	18	65	1.0	255 -12324-1.0R
20	20	20	150	18	65	1.5	255 -12324-1.5R
20	20	20	150	18	65	2.0	255 -12324-2.0R
20	20	20	150	18	65	3.0	255 -12324-3.0R
20	20	20	150	18	65	4.0	255 -12324-4.0R

**Extremely Competitive  
Pricing**

**Merlin** Tools Ltd

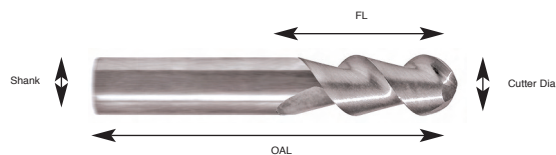
Quality  
Precision  
Performance

Manufactured in the USA  
Distributed in the UK



# Ball Nosed Tools for Aluminium

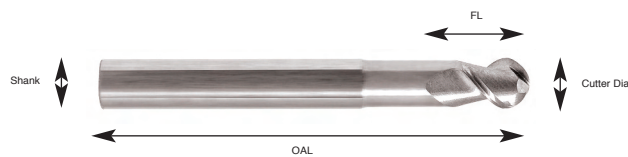
## Ultra-High Performance Solid Carbide - H/S/M 50° Helix for Aluminium Micro-grain K30 2-flute Ball Nosed Alumazip



Tolerance Shank H6 Tolerance Cutting +0.00mm-.051mm

CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
3	3	12	38	260-13905
4	4	14	50	260-13907
5	5	19	50	260-13909
6	6	19	63	260-13910
8	8	19	63	260-13912
10	10	22	70	260-13914
12	12	25	83	260-13916
14	14	30	83	260-13918
16	16	32	88	260-13920
18	18	35	90	260-13922
20	20	38	100	260-13924

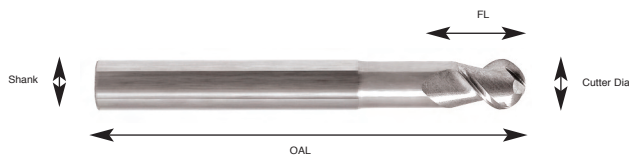
## Ultra-High Performance Solid Carbide - H/S/M 50° Helix for Aluminium Micro-grain K30 2-flute Ball Nosed Long Reach



Tolerance Shank H6 Tolerance Cutting +0.00mm-.051mm

CUTTER DIA	SHANK DIA	FL	OAL	NECK DIA.	REACH	PART NUMBER
2	6	4	75	1.8	8	257-13703
3	6	5	75	2.7	9	257-13705
4	6	6	75	3.6	15	257-13707
5	6	7	75	4.5	18	257-13709
6	6	8	75	5	20	257-13710
8	8	10	100	7	25	257-13712
10	10	12	100	9	30	257-13714
12	12	16	100	11	40	257-13716
14	14	18	100	13	45	257-13718
16	16	20	125	14	50	257-13720
18	18	22	125	16	60	257-13722
20	20	25	150	18	65	257-13724

## Ultra-High Performance Solid Carbide - H/S/M 50° Helix for Aluminium Micro-grain K30 2-flute Ball Nosed Long Reduced Shank



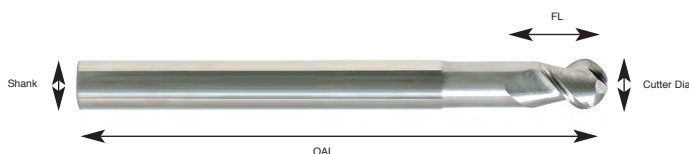
Tolerance Shank H6 Tolerance Cutting +0.00mm-.051mm

CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
6	5	6	100	258-13810
8	7	8	100	258-13812
10	9	10	100	258-13814
12	11	12	100	258-13816
14	12	14	125	258-13818
16	14	16	125	258-13820
18	16	18	125	258-13822
20	18	20	150	258-13824

# Extra Long Series Ball Nosed Tools for Aluminium

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**NEW**



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CUTTER DIA	SHANK DIA	FL	OAL	NECK DIA.	REACH	PART NUMBER
6	6	8	150	5	20	257-13710XL
8	8	10	150	7	25	257-13712XL
10	10	12	150	9	25	257-13714XL
12	12	16	150	11	40	257-13716XL
14	14	18	175	13	50	257-13718XL
16	16	20	200	14	50	257-13720XL
18	18	22	200	16	50	257-13722XL
20	20	25	200	18	65	257-13724XL



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