

Merlin

Tools Ltd



Solid Carbide

**Variable Helix
High Speed Machining**

Manufactured in the USA
Distributed in the UK



ISO 9001:2008

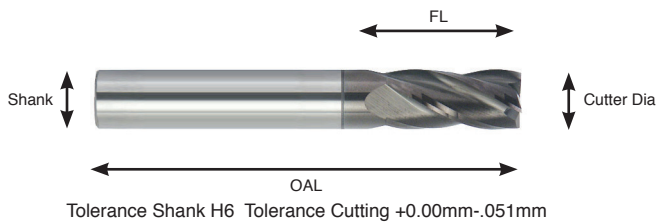
**NEW
PRODUCT
LINES**

Square End - Variable Helix - V4% - TiALN

V4%

Ultra-High Performance Solid Carbide - TiALN
35°/ 38° Variable Helix 4 flute - Micro-grain K20/30

NEW SIZES

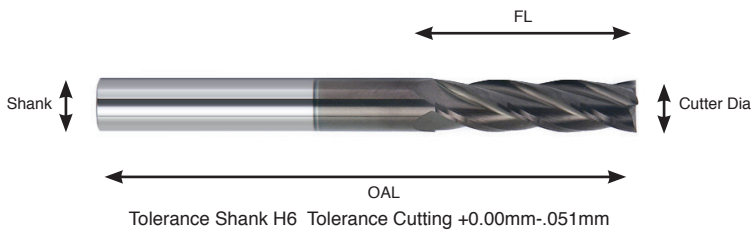


CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
3	3	6	38	691-25805
3	3	12	38	691-25905
3	6	8	57	691-25005
3.5	6	7	57	691-25906
4	4	14	50	691-25907
4	6	11	57	691-25007
4.5	6	9	57	691-25908
5	5	16	50	691-25909
5	6	13	57	691-25009
6	6	13	57	691-25010
6	6	19	63	691-25910
8	8	19	63	691-25912
10	10	22	70	691-25914
12	12	25	75	691-25916
14	14	25	88	691-25918
16	16	32	88	691-25920
18	18	36	100	691-25922
20	20	38	100	691-25924
25	25	38	100	691-25929

V4%

Ultra-High Performance Solid Carbide - TiALN
35°/ 38° Variable Helix 4 flute - Micro-grain K20/30 Long

NEW SIZES



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
3	3	20	65	692-28905
4	4	20	65	692-28907
5	5	20	75	692-28909
6	6	25	75	692-28910
8	8	25	75	692-28912
10	10	38	100	692-28914
12	12	50	100	692-28916
14	14	56	125	692-28918
16	16	56	150	692-28920
18	18	56	150	692-28922
20	20	56	150	692-28924
25	25	70	150	692-28929

- ✔ **Vibration / Chatter Free Machining**
- ✔ **Increased Feed Rate**
- ✔ **Improved Surface Finish**
- ✔ **Longer Tool Life**
- ✔ **Extremely Competitive Pricing**
- ✔ **Ex Stock Delivery on All Tools**

Merlin Tools Ltd
 Quality Precision Performance



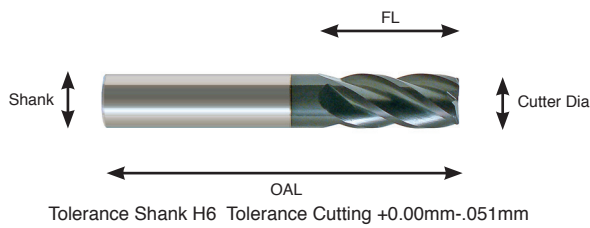
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Corner Radius - Variable Helix - V4% - TiALN

V4%

Ultra-High Performance Solid Carbide - TiALN
35°/38° Variable Helix 4 flute - Micro-grain K20/30 Corner Radius

NEW



CUTTER DIA	SHANK DIA	FL	OAL	CORNER RADIUS	PART NUMBER
3	6	8	57	0.25	691-25005-0.25R
3	6	8	57	0.50	691-25005-0.50R
4	6	11	57	0.25	691-25007-0.25R
4	6	11	57	0.50	691-25007-0.50R
4	6	11	57	1.00	691-25007-1.00R
5	6	13	57	0.25	691-25009-0.25R
5	6	13	57	0.50	691-25009-0.50R
5	6	13	57	1.00	691-25009-1.00R
6	6	13	57	0.25	691-25010-0.25R
6	6	13	57	0.50	691-25010-0.50R
6	6	13	57	1.00	691-25010-1.00R
6	6	13	57	1.50	691-25010-1.50R
6	6	13	57	2.00	691-25010-2.00R
8	8	19	63	0.50	691-25912-0.50R
8	8	19	63	1.00	691-25912-1.00R
8	8	19	63	1.50	691-25912-1.50R
8	8	19	63	2.00	691-25912-2.00R
8	8	19	63	3.00	691-25912-3.00R
10	10	22	70	0.50	691-25914-0.50R
10	10	22	70	1.00	691-25914-1.00R
10	10	22	70	1.50	691-25914-1.50R
10	10	22	70	2.00	691-25914-2.00R
10	10	22	70	3.00	691-25914-3.00R
12	12	26	75	0.50	691-25916-0.50R
12	12	26	75	0.75	691-25916-0.75R
12	12	26	75	1.00	691-25916-1.00R
12	12	26	75	1.50	691-25916-1.50R
12	12	26	75	2.00	691-25916-2.00R
12	12	26	75	2.50	691-25916-2.50R
12	12	26	75	3.00	691-25916-3.00R
12	12	26	75	4.00	691-25916-4.00R
14	14	26	88	0.75	691-25918-0.75R
16	16	32	88	0.50	691-25920-0.50R
16	16	32	88	1.00	691-25920-1.00R
16	16	32	88	1.50	691-25920-1.50R
16	16	32	88	2.00	691-25920-2.00R
16	16	32	88	2.50	691-25920-2.50R
16	16	32	88	3.00	691-25920-3.00R
16	16	32	88	4.00	691-25920-4.00R
18	18	36	100	1.00	691-25922-1.00R
20	20	38	100	1.00	691-25924-1.00R
20	20	38	100	1.50	691-25924-1.50R
20	20	38	100	2.00	691-25924-2.00R
20	20	38	100	3.00	691-25924-3.00R
20	20	38	100	4.00	691-25924-4.00R
20	20	38	100	5.00	691-25924-5.00R
20	20	38	100	6.00	691-25924-6.00R
25	25	38	100	1.00	691-25929-1.00R

 **All Corner Radius Tools
Ex Stock**

Merlin Tools Ltd

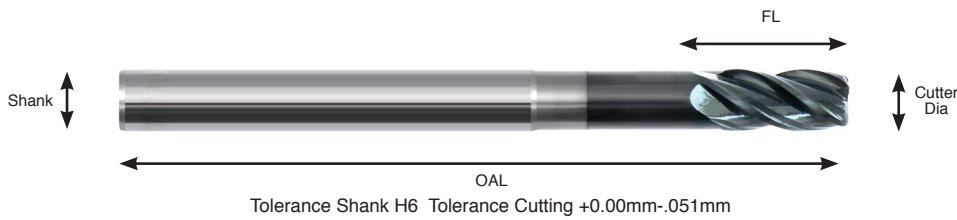
Manufactured in the USA
Distributed in the UK



Corner Radius - Variable Helix - V4[®] - TiALN

V4[®] Ultra-High Performance Solid Carbide - TiALN
 35°/38° Variable Helix 4 flute - K20/30 Long Reach Corner Radius Neck Relief

NEW



CUTTER DIA	SHANK DIA	NECK DIA	FL	OAL	REACH	CORNER RADIUS	PART NUMBER
6	6	5.8	12	100	30	0.25	601-24910-0.25R
6	6	5.8	12	100	30	0.50	601-24910-0.50R
6	6	5.8	12	100	30	1.00	601-24910-1.00R
8	8	7.6	12	100	40	0.50	601-24912-0.50R
8	8	7.6	16	100	40	1.00	601-24912-1.00R
8	8	7.6	16	100	40	2.00	601-24912-2.00R
8	8	7.6	16	100	40	3.00	601-24912-3.00R
10	10	9.6	20	127	50	0.50	601-24914-0.50R
10	10	9.6	20	127	50	1.00	601-24914-1.00R
10	10	9.6	20	127	50	2.00	601-24914-2.00R
10	10	9.6	20	127	50	3.00	601-24914-3.00R
12	12	11.4	24	150	62	0.50	601-24916-0.50R
12	12	11.4	24	150	62	1.00	601-24916-1.00R
12	12	11.4	24	150	62	1.50	601-24916-1.50R
12	12	11.4	24	150	62	2.00	601-24916-2.00R
12	12	11.4	24	150	62	3.00	601-24916-3.00R
12	12	11.4	24	150	62	4.00	601-24916-4.00R
16	16	15.2	32	150	82	0.50	601-24920-0.50R
16	16	15.2	32	150	82	1.00	601-24920-1.00R
16	16	15.2	32	150	82	1.50	601-24920-1.50R
16	16	15.2	32	150	82	2.00	601-24920-2.00R
16	16	15.2	32	150	82	3.00	601-24920-3.00R
16	16	15.2	32	150	82	4.00	601-24920-4.00R
16	16	15.2	32	150	82	5.00	601-24920-5.00R
20	20	19.2	40	150	102	0.50	601-24924-0.50R
20	20	19.2	40	150	102	1.00	601-24924-1.00R
20	20	19.2	40	150	102	2.00	601-24924-2.00R
20	20	19.2	40	150	102	3.00	601-24924-3.00R
20	20	19.2	40	150	102	4.00	601-24924-4.00R
20	20	19.2	40	150	102	5.00	601-24924-5.00R
20	20	19.2	40	150	102	6.00	601-24924-6.00R

 **All Corner Radius Tools Ex Stock**

-  **Vibration / Chatter Free Machining**
-  **Increased Feed Rate**
-  **Improved Surface Finish**
-  **Longer Tool Life**
-  **Extremely Competitive Pricing**
-  **Ex Stock Delivery on All Tools**

Merlin Tools Ltd
 Quality Precision Performance

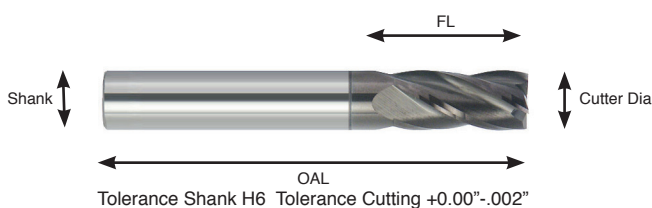


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Imperial Range - Variable Helix - V4% - TiALN

V4%

Ultra-High Performance Solid Carbide - TiALN 35°/38° Variable Helix 4 flute - Micro-grain K20/30 - Square End



CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
1/8"	1/8"	3/8"	1-1/2"	695 -05908
3/16"	3/16"	7/16"	2"	695 -05912
1/4"	1/4"	5/8"	2-1/2"	695 -05916
5/16"	5/16"	13/16"	2-1/2"	695 -05920
3/8"	3/8"	7/8"	2-1/2"	695 -05924
7/16"	7/16"	1"	2-3/4"	695 -05928
1/2"	1/2"	1"	3"	695 -05932
9/16"	9/16"	1-1/8"	3-1/2"	695 -05936
5/8"	5/8"	1-1/4"	3-1/2"	695 -05940
3/4"	3/4"	1-1/2"	4"	695 -05948
1"	1"	1-1/2"	4"	695 -05964

V4%

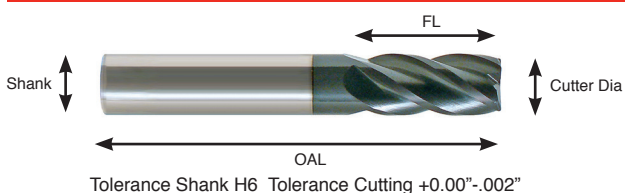
Ultra-High Performance Solid Carbide - TiALN 35°/38° Variable Helix 4 flute - Micro-grain K20/30 - Long Series



Cutter Dia-D1	Shank Dia-D2	FL L1	OAL L2	Part Number
1/4"	1/4"	1-1/8"	3"	696 -08916
3/8"	3/8"	1-1/8"	3"	696 -08924
1/2"	1/2"	2"	4"	696 -08932
5/8"	5/8"	2-1/4"	5"	696 -08940
3/4"	3/4"	2-1/4"	5"	696 -08948

V4%

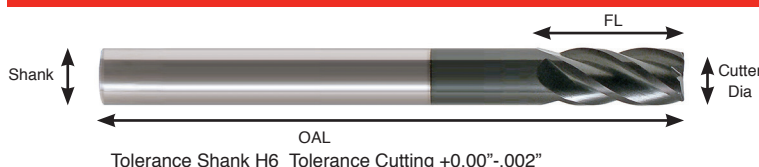
Ultra-High Performance Solid Carbide - TiALN 35°/38° Variable Helix 4 flute - Micro-grain K20/30 - Corner Radius



Cutter Dia-D1	Shank Dia-D2	FL L1	OAL L2	Corner Radius	Part Number
1/8"	1/8"	3/8"	1-1/2"	.010-.015	695 -05908.010R
3/16"	3/16"	7/16"	2"	.010-.015	695 -05912.010R
1/4"	1/4"	5/8"	2-1/2"	.015-.020	695 -05916.015R
5/16"	5/16"	13/16"	2-1/2"	.015-.020	695 -05920.015R
3/8"	3/8"	7/8"	2-1/2"	.015-.020	695 -05924.015R
7/16"	7/16"	1"	2-3/4"	.015-.020	695 -05928.015R
1/2"	1/2"	1"	3"	.025-.030	695 -05932.025R
9/16"	9/16"	1-1/8"	3-1/2"	.025-.030	695 -05936.025R
5/8"	5/8"	1-1/4"	3-1/2"	.035-0.40	695 -05940.035R
3/4"	3/4"	1-1/2"	4"	.035-0.40	695 -05948.035R
1"	1"	1-1/2"	4"	.035-0.40	695 -05964.035R

V4%

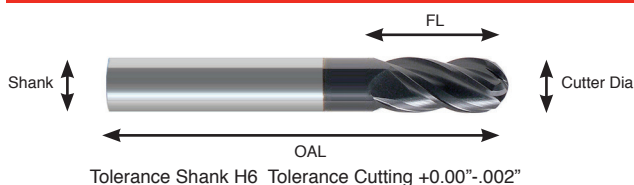
Ultra-High Performance Solid Carbide - TiALN 35°/38° Variable Helix 4 flute - Micro-grain K20/30 - Corner Radius Long Series



Cutter Dia-D1	Shank Dia-D2	FL L1	OAL L2	Corner Radius	Part Number
1/4"	1/4"	1-1/8"	3"	.015-.020	696 -08916.015R
3/8"	3/8"	1-1/8"	3"	.015-.020	696 -08924.015R
1/2"	1/2"	2"	4"	.025-.030	696 -08932.025R
5/8"	5/8"	2-1/4"	5"	.030-.035	696 -08940.030R
3/4"	3/4"	2-1/4"	5"	.030-.035	696 -08948.030R

V4%

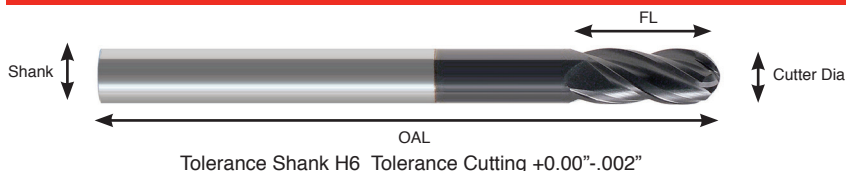
Ultra-High Performance Solid Carbide - TiALN 35°/38° Variable Helix 4 flute - Micro-grain K20/30 - Ball Nosed



Cutter Dia-D1	Shank Dia-D2	FL L1	OAL L2	Part Number
1/8"	1/8"	3/8"	1-1/2"	697 -07908
3/16"	3/16"	7/16"	2"	697 -07912
1/4"	1/4"	5/8"	2-1/2"	697 -07916
5/16"	5/16"	13/16"	2-1/2"	697 -07920
3/8"	3/8"	7/8"	2-1/2"	697 -07924
7/16"	7/16"	1"	2-3/4"	697 -07928
1/2"	1/2"	1"	3"	697 -07932
9/16"	9/16"	1-1/8"	3-1/2"	697 -07936
5/8"	5/8"	1-1/4"	3-1/2"	697 -07940
3/4"	3/4"	1-1/2"	4"	697 -07948
1"	1"	1-1/2"	4"	697 -07964

V4%

Ultra-High Performance Solid Carbide - TiALN 35°/38° Variable Helix 4 flute - Micro-grain K20/30 - Ball Nosed Long Series



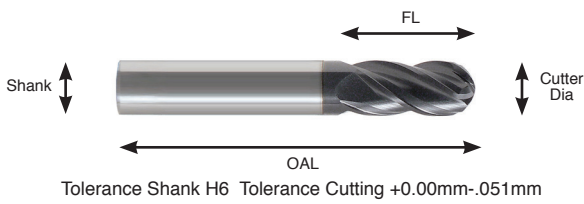
Cutter Dia-D1	Shank Dia-D2	FL L1	OAL L2	Part Number
1/4"	1/4"	1-1/8"	3"	698 -06916
3/8"	3/8"	1-1/8"	3"	698 -06924
1/2"	1/2"	2"	4"	698 -06932
5/8"	5/8"	2-1/4"	5"	698 -06940
3/4"	3/4"	2-1/4"	5"	698 -06948

Ball Nosed - Variable Helix - V4% - TiALN

V4%

Ultra-High Performance Solid Carbide - TiALN
35°/38° Variable Helix 4 flute - Micro-grain K20/30 - Ball Nosed

NEW SIZES

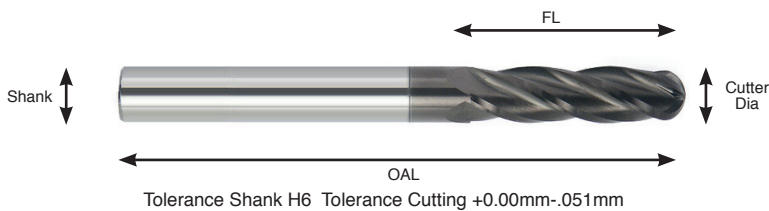


CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
3	3	12	38	693-27905
3	6	8	57	693-27005
3.5	6	7	57	693-27906
4	4	14	50	693-27907
4	6	11	57	693-27007
4.5	6	9	57	693-27908
5	5	16	50	693-27909
5	6	13	57	693-27009
6	6	13	57	693-27010
6	6	19	63	693-27910
8	8	19	63	693-27912
10	10	22	70	693-27914
12	12	25	75	693-27916
14	14	25	88	693-27918
16	16	32	88	693-27920
18	18	36	100	693-27922
20	20	38	100	693-27924
25	25	38	100	693-27929

V4%

Ultra-High Performance Solid Carbide - TiALN
35°/38° Variable Helix 4 flute - Micro-grain K20/30 - Ball Nosed Long Series

NEW SIZES

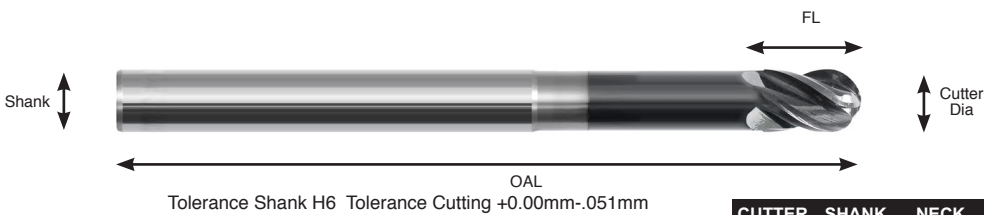


CUTTER DIA	SHANK DIA	FL	OAL	PART NUMBER
3	3	20	65	694-26905
4	4	20	65	694-26907
5	5	20	75	694-26909
6	6	25	75	694-26910
8	8	25	75	694-26912
10	10	38	100	694-26914
12	12	50	100	694-26916
14	14	56	125	694-26918
16	16	56	150	694-26920
18	18	56	150	694-26922
20	20	56	150	694-26924
25	25	70	150	694-26929

V4%

Ultra-High Performance Solid Carbide - TiALN
35°/38° Variable Helix 4 flute - K20/30 - Ball Nosed Long Series Neck Relief

NEW



CUTTER DIA	SHANK DIA	NECK DIA	FL	OAL	REACH	PART NUMBER
3	6	2.9	4.5	75	17	602-25905
4	6	3.9	6.0	75	22	602-25907
5	6	4.9	7.5	75	27	602-25909
6	6	5.8	9.0	100	32	602-25910
8	8	7.6	12.0	100	42	602-25912
10	10	9.6	15.0	127	52	602-25914
12	12	11.4	18.0	150	62	602-25916
16	16	15.2	24.0	150	82	602-25920



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