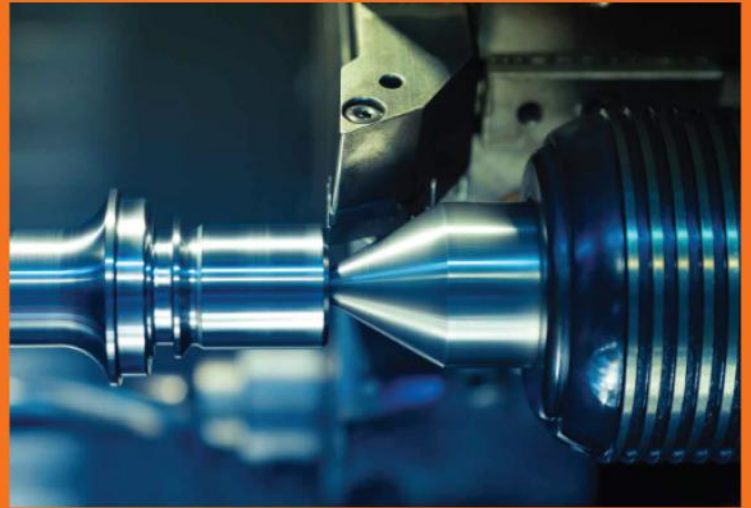


FCCUT

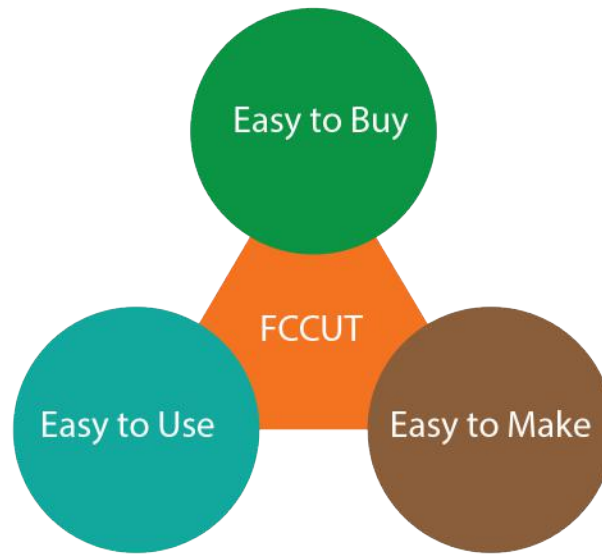
CUTTING TOOLS



FCCUT
FanClub cutting tools

	SOLID CARBIDE END MILL 4 cutters, TiAlN-coated	2
	SOLID CARBIDE RADIUS MILL 2 cutters, TiAlN-coated	3
	SOLID CARBIDE END MILL 4 cutters, TiSiN-coated	4
	SOLID CARBIDE RADIUS MILL 2 cutters, TiSiN-coated	5
	SOLID CARBIDE END MILL 4 cutters, NaNO-coated	6
	SOLID CARBIDE RADIUS MILL 2 cutters, NaNO-coated	7
	SOLID CARBIDE END MILL 4 cutters, NaNO-coated	8
	SOLID CARBIDE RADIUS MILL 2 cutters, NaNO-coated	9





BENEFITS FOR CUSTOMERS WHEN COMING TO FCCUT

1. Consulting and technical support services throughout, before and after sales.
2. Fast delivery time.
3. Smart purchasing solution: full technical documents on digital platform, purchasing and inventory checking on website system.
4. Manufactured on demand, fast delivery time, low cost (Manufacturing specific according to technical requirements).
5. Competitive and good prices.





SOLID CARBIDE END MILL

4 cutters, TiAlN-coated



VHM

TiAlN

Z 4

HA

UNI

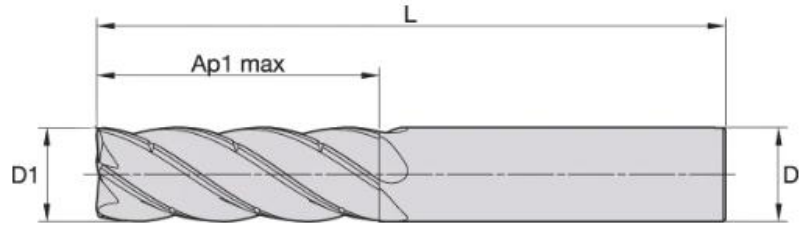
35°

Application:

End mill for universal use when plunge milling, groove milling and keyway cutting as well as face milling and peripheral milling.

Execution:

- Solid carbide ultra-fine grain.
- Material: solid carbide.
- Coating: TiAlN
- Hardness: HRC45
- Helix Angle: 35 degree
- Suitable for Steel, Stainless Steel, Copper, Aluminium alloy, Cast iron.



Application No.	Steel (N/mm ²)			Stainless steel		Alu		Brass		Bronze		Plastics	Graphite G(C)FK	GG(G) GjMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.	
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55HRC	<65HRC
11201114.	v _c	100	100	85	50	50	150	150						120	85	80	75		
	f _z	0.05	0.05	0.05	0.07	0.07	0.1	0.1						0.05	0.04	0.04	0.04		

mm	mm	mm	mm	Z (pcs)	11201114. Model No.
3	8	50	4	4	001
4	10	50	4	4	002
4	12	75	4	4	003
4	16	100	4	4	004
6	15	50	6	4	005
6	20	75	6	4	006
6	30	100	6	4	007
6	35	150	6	4	008
6	40	200	6	4	009
8	20	60	8	4	010
8	25	75	8	4	011
8	35	100	8	4	012
8	40	150	8	4	013
8	50	200	8	4	014
10	25	75	10	4	015
10	40	100	10	4	016
10	50	150	10	4	017
10	60	200	10	4	018
12	30	75	12	4	019
12	45	100	12	4	020
12	60	150	12	4	021
12	65	200	12	4	022
14	45	100	14	4	023
14	65	150	14	4	024
14	70	200	14	4	025
16	45	100	16	4	026
16	70	150	16	4	027
16	70	200	16	4	028
18	45	100	18	4	029
18	70	150	18	4	030
18	70	200	18	4	031
20	45	100	20	4	032
20	70	150	20	4	033
20	70	200	20	4	034

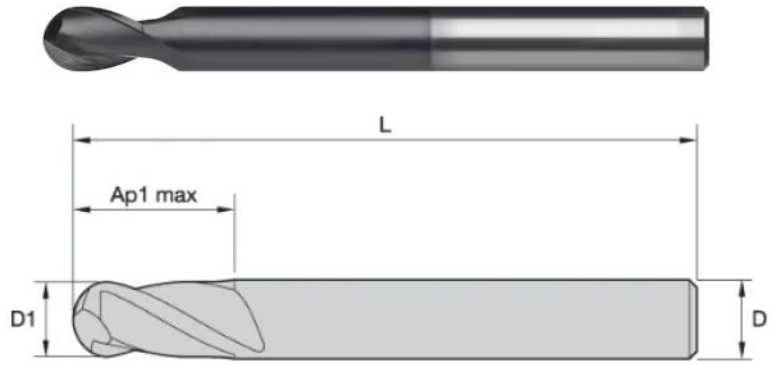


Application:





Radius milling cutter for universal use for copy milling in dip working and mould construction.

Execution:

- Solid carbide ultra-fine grain.
- Material: solid carbide.
- Coating: TiAlN
- Hardness: HRC45
- Helix Angle: 35 degree
- Suitable for Steel, Stainless Steel, Copper, Aluminium alloy, Cast iron.



Application No.	Steel (N/mm ²)			Stainless steel		Alu		Brass		Bronze		Plastics	Graphite G(C)FK	GG(G) GjMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.	
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55HRC	<65HRC
11201116.	v _c	100	100	85	50	50	150	150						120	85	80	75		
	f _z	0.05	0.05	0.05	0.07	0.07	0.1	0.1						0.05	0.04	0.04	0.04		

 mm	 mm	 mm	 mm	Z (pcs)	11201116. Model No.
4	10	50	4	2	001
4	12	75	4	2	002
4	16	100	4	2	003
6	15	50	6	2	004
6	20	75	6	2	005
6	30	100	6	2	006
6	35	150	6	2	007
6	40	200	6	2	008
8	20	60	8	2	009
8	25	75	8	2	010
8	35	100	8	2	011
8	40	150	8	2	012
8	50	200	8	2	013
10	25	75	10	2	014
10	40	100	10	2	015
10	50	150	10	2	016
10	60	200	10	2	017
12	30	75	12	2	018
12	45	100	12	2	019
12	60	150	12	2	020
12	65	200	12	2	021
14	45	100	14	2	022
14	65	150	14	2	023
14	70	200	14	2	024
16	45	100	16	2	025
16	70	150	16	2	026
16	70	200	16	2	027
18	45	100	18	2	028
18	70	150	18	2	029
18	70	200	18	2	030
20	45	100	20	2	031
20	70	150	20	2	032
20	70	200	20	2	033



SOLID CARBIDE END MILL

4 cutters, TiSiN-coated



VHM

TiSiN

Z 4

HA

UNI

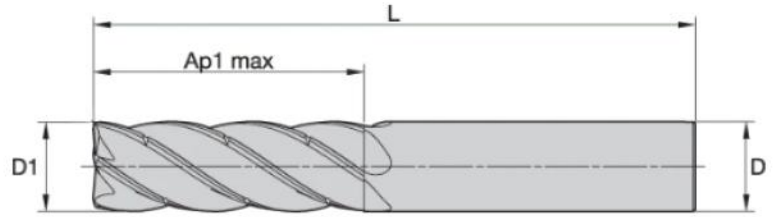
35°

Application:

End mill for universal use when plunge milling, groove milling and keyway cutting as well as face milling and peripheral milling.

Execution:

- Solid carbide ultra-fine grain.
- Material: solid carbide.
- Coating: TiSiN
- Hardness: HRC55
- Helix Angle: 35 degree
- Suitable for Steel, Stainless Steel, Copper, Aluminium alloy, Cast iron.



Application No.	Steel (N/mm ²)			Stainless steel		Alu		Brass		Bronze		Plastics	Graphite G(C)/FK	GG(G) GjMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.	
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55HRC	<65HRC
11201131.	v _c	100	100	85	50	50	150	150						120	85	80	75		
	f _z	0.05	0.05	0.05	0.07	0.07	0.1	0.1						0.05	0.04	0.04	0.04		

mm	mm	mm	mm	Z (pcs)	11201131. Model No.
4	10	50	4	4	001
4	12	75	4	4	002
4	16	100	4	4	003
6	15	50	6	4	004
6	20	75	6	4	005
6	30	100	6	4	006
6	35	150	6	4	007
6	40	200	6	4	008
8	20	60	8	4	009
8	25	75	8	4	010
8	35	100	8	4	011
8	40	150	8	4	012
8	50	200	8	4	013
10	25	75	10	4	014
10	40	100	10	4	015
10	50	150	10	4	016
10	60	200	10	4	017
12	30	75	12	4	018
12	45	100	12	4	019
12	60	150	12	4	020
12	65	200	12	4	021
14	45	100	14	4	022
14	65	150	14	4	023
14	70	200	14	4	024
16	45	100	16	4	025
16	70	150	16	4	026
16	70	200	16	4	027
18	45	100	18	4	028
18	70	150	18	4	029
18	70	200	18	4	030
20	45	100	20	4	031
20	70	150	20	4	032
20	70	200	20	4	033



VHM

TiSiN

Z 2

HA

UNI

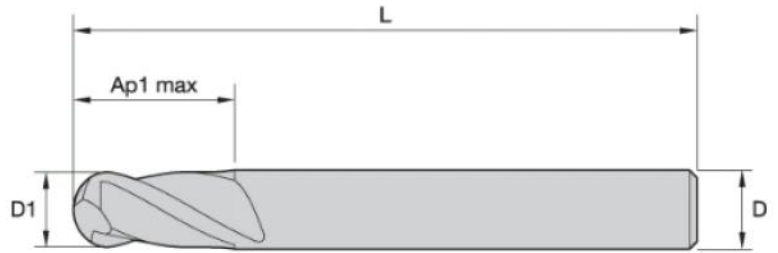
35°

Application:

Radius milling cutter for universal use for copy milling in dip working and mould construction.

Execution:

- Solid carbide ultra-fine grain.
- Material: solid carbide.
- Coating: TiSiN
- Hardness: HRC55
- Helix Angle: 35 degree
- Suitable for Steel, Stainless Steel, Copper, Aluminium alloy, Cast iron.



Application No.	Steel (N/mm ²)			Stainless steel		Alu		Brass		Bronze		Plastics	Graphite G(C)/FK	GG(G) GjMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.	
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55HRC	<65HRC
11201133.	v _c	100	100	85	50	50	150	150						120	85	80	75		
	f _z	0.05	0.05	0.05	0.07	0.07	0.1	0.1						0.05	0.04	0.04	0.04		

mm	mm	mm	mm	Z (pcs)	11201133. Model No.
4	10	50	4	2	001
4	12	75	4	2	002
4	16	100	4	2	003
6	15	50	6	2	004
6	20	75	6	2	005
6	30	100	6	2	006
6	35	150	6	2	007
6	40	200	6	2	008
8	20	60	8	2	009
8	25	75	8	2	010
8	35	100	8	2	011
8	40	150	8	2	012
8	50	200	8	2	013
10	25	75	10	2	014
10	40	100	10	2	015
10	50	150	10	2	016
10	60	200	10	2	017
12	30	75	12	2	018
12	45	100	12	2	019
12	60	150	12	2	020
12	65	200	12	2	021
14	45	100	14	2	022
14	65	150	14	2	023
14	70	200	14	2	024
16	45	100	16	2	025
16	70	150	16	2	026
16	70	200	16	2	027
18	45	100	18	2	028
18	70	150	18	2	029
18	70	200	18	2	030
20	45	100	20	2	031
20	70	150	20	2	032
20	70	200	20	2	033



SOLID CARBIDE END MILL

4 cutters, NaNO-coated



VHM

NaNO

Z 4

HA

UNI

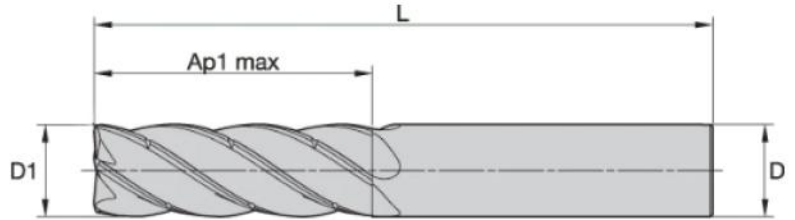
35°

Application:

End mill for universal use when plunge milling, groove milling and keyway cutting as well as face milling and peripheral milling.

Execution:

- Solid carbide ultra-fine grain.
- Material: solid carbide.
- Coating: NaNO
- Hardness: HRC60
- Helix Angle: 35 degree
- Suitable for Steel, Stainless Steel, Copper, Aluminium alloy, Cast iron.



Application No.	Steel (N/mm ²)			Stainless steel		Alu		Brass		Bronze		Plastics	Graphite G(C)/FK	GG(G) GjMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.	
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55HRC	<65HRC
11201146.	v _c	140	140	125	90	90	150	150						160	125	120	115	50	
	f _z	0.05	0.05	0.05	0.07	0.07	0.1	0.1						0.05	0.04	0.04	0.04	0.05	

mm	mm	mm	mm	Z (pcs)	11201146. Model No.
4	10	50	4	4	001
4	12	75	4	4	002
4	16	100	4	4	003
6	15	50	6	4	004
6	20	75	6	4	005
6	30	100	6	4	006
6	35	150	6	4	007
6	40	200	6	4	008
8	20	60	8	4	009
8	25	75	8	4	010
8	35	100	8	4	011
8	40	150	8	4	012
8	50	200	8	4	013
10	25	75	10	4	014
10	40	100	10	4	015
10	50	150	10	4	016
10	60	200	10	4	017
12	30	75	12	4	018
12	45	100	12	4	019
12	60	150	12	4	020
12	65	200	12	4	021
14	45	100	14	4	022
14	65	150	14	4	023
14	70	200	14	4	024
16	45	100	16	4	025
16	70	150	16	4	026
16	70	200	16	4	027
18	45	100	18	4	028
18	70	150	18	4	029
18	70	200	18	4	030
20	45	100	20	4	031
20	70	150	20	4	032
20	70	200	20	4	033



VHM

NaNO

Z 2

HA

UNI

35°

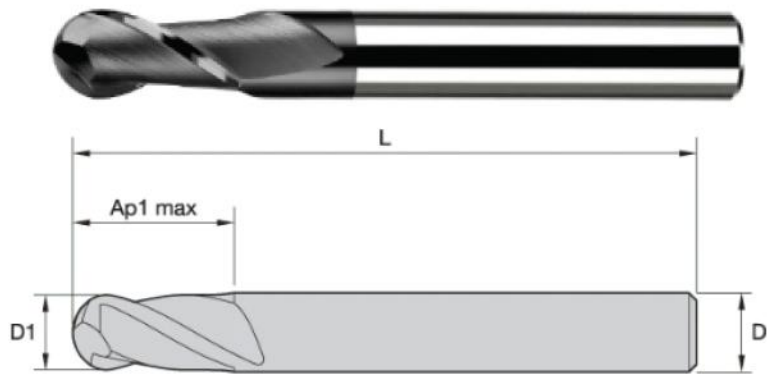
Application:

Radius milling cutter for universal use for copy milling in dip working and mould construction.

For machining hard material, e.g. in die and mould making.

Execution:

- Solid carbide ultra-fine grain.
- Material: solid carbide.
- Coating: NaNO
- Hardness: HRC60
- Helix Angle: 35 degree
- Suitable for Steel, Stainless Steel, Copper, Aluminium alloy, Cast iron.



Application No.	Steel (N/mm ²)			Stainless steel		Alu		Brass		Bronze		Plastics	Graphite G(C)/FK	GG(G) GjMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.	
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55HRC	<65HRC
11201148.	v _c	140	140	125	90	90	150	150						160	125	120	115	50	
	f _z	0.05	0.05	0.05	0.07	0.07	0.1	0.1						0.05	0.04	0.04	0.04	0.05	

mm	mm	mm	mm	Z (pcs)	11201148. Model No.
4	10	50	4	2	001
4	12	75	4	2	002
4	16	100	4	2	003
6	15	50	6	2	004
6	20	75	6	2	005
6	30	100	6	2	006
6	35	150	6	2	007
6	40	200	6	2	008
8	20	60	8	2	009
8	25	75	8	2	010
8	35	100	8	2	011
8	40	150	8	2	012
8	50	200	8	2	013
10	25	75	10	2	014
10	40	100	10	2	015
10	50	150	10	2	016
10	60	200	10	2	017
12	30	75	12	2	018
12	45	100	12	2	019
12	60	150	12	2	020
12	65	200	12	2	021
14	45	100	14	2	022
14	65	150	14	2	023
14	70	200	14	2	024
16	45	100	16	2	025
16	70	150	16	2	026
16	70	200	16	2	027
18	45	100	18	2	028
18	70	150	18	2	029
18	70	200	18	2	030
20	45	100	20	2	031
20	70	150	20	2	032
20	70	200	20	2	033



SOLID CARBIDE END MILL

4 cutters, NaNO-coated



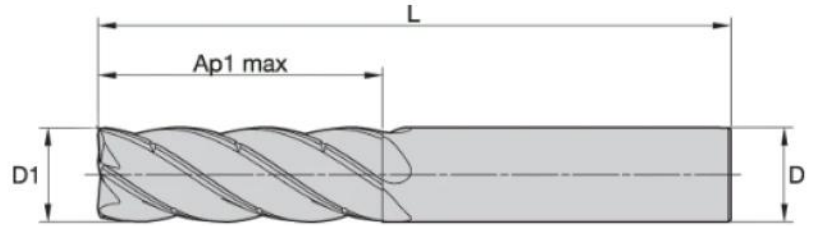
VHM	NaNO	Z 4	HA	UNI	35°
-----	------	-----	----	-----	-----

Application:

End mill for universal use when plunge milling, groove milling and keyway cutting as well as face milling and peripheral milling.

Execution:

- Solid carbide ultra-fine grain.
- Material: solid carbide.
- Coating: NaNO
- Hardness: HRC65
- Helix Angle: 35 degree
- Suitable for Steel, Stainless Steel, Copper, Aluminium alloy, Cast iron.



Application No.	Steel (N/mm ²)			Stainless steel		Alu		Brass		Bronze		Plastics	Graphite G(C)/FK	GG(G) GjMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.	
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55HRC	<65HRC
11201158.	v _c	150	150	135	100	100	150	150						160	125	120	115	60	
	f _z	0.05	0.05	0.05	0.07	0.07	0.1	0.1						0.05	0.04	0.04	0.04	0.05	

mm	mm	mm	mm	Z (pcs)	11201158. Model No.
4	10	50	4	4	001
4	12	75	4	4	002
4	16	100	4	4	003
6	15	50	6	4	004
6	20	75	6	4	005
6	30	100	6	4	006
6	35	150	6	4	007
6	40	200	6	4	008
8	20	60	8	4	009
8	25	75	8	4	010
8	35	100	8	4	011
8	40	150	8	4	012
8	50	200	8	4	013
10	25	75	10	4	014
10	40	100	10	4	015
10	50	150	10	4	016
10	60	200	10	4	017
12	30	75	12	4	018
12	45	100	12	4	019
12	60	150	12	4	020
12	65	200	12	4	021
14	45	100	14	4	022
14	65	150	14	4	023
14	70	200	14	4	024
16	45	100	16	4	025
16	70	150	16	4	026
16	70	200	16	4	027
18	45	100	18	4	028
18	70	150	18	4	029
18	70	200	18	4	030
20	45	100	20	4	031
20	70	150	20	4	032
20	70	200	20	4	033



VHM

NaNO

Z 2

HA

UNI

35°

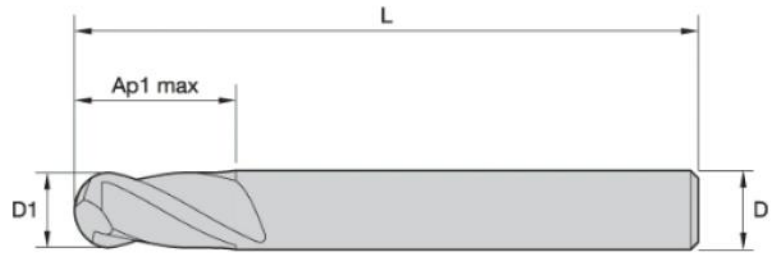
Application:

Radius milling cutter for universal use for copy milling in dip working and mould construction.

For machining hard material, e.g. in die and mould making.

Execution:

- Solid carbide ultra-fine grain.
- Material: solid carbide.
- Coating: NaNO
- Hardness: HRC65
- Helix Angle: 35 degree
- Suitable for Steel, Stainless Steel, Copper, Aluminium alloy, Cast iron.

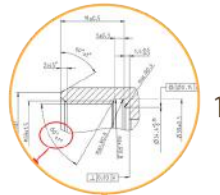


Application No.	Steel (N/mm ²)			Stainless steel		Alu		Brass		Bronze		Plastics	Graphite G(C)/FK	GG(G) GjMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.	
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55HRC	<65HRC
11201160.	v _c	150	150	135	100	100	150	150						160	125	120	115	60	
	f _z	0.05	0.05	0.05	0.07	0.07	0.1	0.1						0.05	0.04	0.04	0.04	0.05	

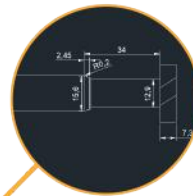
mm	mm	mm	mm	Z (pcs)	11201160. Model No.
4	10	50	4	2	001
4	12	75	4	2	002
4	16	100	4	2	003
6	15	50	6	2	004
6	20	75	6	2	005
6	30	100	6	2	006
6	35	150	6	2	007
6	40	200	6	2	008
8	20	60	8	2	009
8	25	75	8	2	010
8	35	100	8	2	011
8	40	150	8	2	012
8	50	200	8	2	013
10	25	75	10	2	014
10	40	100	10	2	015
10	50	150	10	2	016
10	60	200	10	2	017
12	30	75	12	2	018
12	45	100	12	2	019
12	60	150	12	2	020
12	65	200	12	2	021
14	45	100	14	2	022
14	65	150	14	2	023
14	70	200	14	2	024
16	45	100	16	2	025
16	70	150	16	2	026
16	70	200	16	2	027
18	45	100	18	2	028
18	70	150	18	2	029
18	70	200	18	2	030
20	45	100	20	2	031
20	70	150	20	2	032
20	70	200	20	2	033



SPECIAL CUTTING TOOL MAKING PROCESS



1



2



3



4



5

1. Machining detail drawing/ Customer requirements.
2. Cutting tool drawings designed by FCCUT.
3. Customer finalizes drawing and confirms.
4. Manufacture cutting tool according to drawings confirmed by both parties.
5. Delivery and processing support.

GSI Viet Nam Industrial Equipment Co.,Ltd

Ha Noi Head Office: 4th Floor, Nam Hai Lakeview Building, Lot 1-9A, Vinh Hoang Urban,
, Hoang Van Thu Ward, Hoang Mai District, Ha Noi, Viet Nam.

Phone: 024.3987.8707 * Fax: 024.3987.8706

Ho Chi Minh Office: 1th Floor, Coalimex Building, No.29-31 Dinh Bo Linh street, 24 Ward
Binh Thanh district, Ho Chi Minh, Viet Nam.

Phone: 028.3898.1221 * Email: sale@gsi.com.vn

Web: www.fccut.vn / www.gsi.com.vn