Micro Vannas

These Vannas-style spring scissors have the smallest blades ever produced. They are ideal where space is restricted and where absolute precision is demanded.



Micro Vannas

The short taper is ideal for small, precise cuts.







8 cm Cutting edge: 2.5 mm Tip Ø: 0.05 mm

No. 15000-08



8 cm Cutting edge: 2 mm Tip Ø: 0.05 mm

No. 15000-03



Curved Sharp/Sharp

8 cm Cutting edge: 2 mm Tip Ø: 0.05 mm

No. 15000-04



Curved Sharp/Sharp

8 cm Cutting edge: 2.5 mm Tip Ø: 0.05 mm

No. 15001-08



Angled to side Sharp/Sharp

8 cm Cutting edge: 2.5 mm Tip Ø: 0.05 mm

No. 15002-08

Micro Vannas

The long taper is ideal for cutting vessel walls or when a longer cutting edge is needed.







Straight Sharp/Sharp

8 cm Cutting edge: 3 mm Tip Ø: 0.05 mm

No. 15000-00



Curved Sharp/Sharp

8 cm Cutting edge: 3 mm Tip Ø: 0.05 mm

No. 15000-10

Vannas-Tübingen





Straight Sharp/Sharp

8.5 cm Cutting edge: 5 mm Tip Ø: 0.075 mm

No. 15003-08





 $8.5\,\mathrm{cm}$ Cutting edge: 5 mm Tip Ø: 0.075 mm

No. 15004-08



Angled up Sharp/Sharp

9.5 cm

Cutting edge: 5 mm

Tip Ø: 0.075 mm

No. 15005-08

Angled to side Sharp/Sharp

 $8.5\,\mathrm{cm}$ Cutting edge: 5 mm Tip Ø: 0.075 mm

No. 15008-08

Vannas Spring Scissors High Polished

The highly polished surface makes the scissors more resistant to corrosion and easier to clean. It also prevents tissue from sticking on it while operating, it's also called non-sticky surface.



The round handle allows an easy finger adjustment during the application. The hollow grind in the handle reduces the weight. The fine blades are tapered to give a better overview.

Vannas Spring Scissors Round Handle



Straight Sharp/Sharp

 $8.5\,\mathrm{cm}$ Cutting edge: 5 mm Tip Ø: 0.075 mm

No. 15903-08



Curved Sharp/Sharp

8.5 cm Cutting edge: 5 mm Tip Ø: 0.075 mm

No. 15904-08



Straight Sharp/Sharp

 $9\,\mathrm{cm}$ Cutting edge: 5 mm Tip Ø: 0.075 mm

No. 15403-08



Curved Sharp/Sharp

9 cm Cutting edge: 5 mm Tip Ø: 0.075 mm

No. 15404-08



Vannas Scissors with Microserrations

Microserrated to minimize slippage.







8.5 cm Cutting edge: 7 mm Tip Ø: 0.1 mm

No. 15007-08



Straight Sharp/Sharp

8.5 cm Cutting edge: 5 mm Tip Ø: 0.1 mm

No. 15070-08



Curved Sharp/Sharp

8.5 cm Cutting edge: 5 mm Tip Ø: 0.1 mm

No. 15071-08

Vannas





Vannas

Ultra long cutting edge without sacrificing tip width.





Straight Sharp/Sharp

8 cm Cutting edge: 5 mm Tip Ø: 0.125 mm

No. 15044-08



Curved Sharp/Sharp

8 cm Cutting edge: 5 mm Tip Ø: 0.125 mm

No. 15043-08



Straight Sharp/Sharp

8.5 cm Cutting edge: 8 mm Tip Ø: 0.1 mm

No. 15009-08



Miniature Vannas

Finished under high magnification, these tips are especially useful when incising vessel walls for catheter insertion.





Moria 9600

Moria 9601



Straight Sharp/Sharp

8 cm Cutting edge: 5 mm Tip Ø: 0.15 mm

No. 15396-00



Curved Sharp/Sharp

8 cm Cutting edge: 5 mm Tip Ø: 0.15 mm

No. 15396-01

Titanium Vannas





Straight Sharp/Sharp

 $9.5\,\mathrm{cm}$ Cutting edge: 5 mm Tip Ø: 0.3 mm

No. 15610-08



Curved Sharp/Sharp

 $9.5 \, \text{cm}$ Cutting edge: 5 mm Tip Ø: 0.3 mm

No. 15615-08



Angled up Sharp/Sharp

9.5 cm Cutting edge: 5 mm Tip Ø: 0.3 mm

No. 15617-08

Cohan-Vannas

Long cutting blades for a more controlled cut.





6 cm Cutting edge: 6 mm Tip Ø: 0.1 mm

No. 15000-02



Curved Sharp/Sharp

6 cm Cutting edge: 6 mm Tip Ø: 0.1 mm

No. 15000-01



Straight **Blunt/Blunt**

6 cm Cutting edge: 6 mm Tip Ø: 0.15 mm

No. 15000-12



Curved Blunt/Blunt

6 cm Cutting edge: 6 mm Tip Ø: 0.15 mm

No. 15000-11





Spring Scissors

Ceramic Coated Spring Scissors

Ceramic Coated Titanium Castroviejo













No. 15024-10





Cutting edge: 8 mm



Straight Blunt/Blunt

10 cm Cutting edge: 8 mm Tip Ø: 0.3 mm

No. 15025-10



Curved Sharp/Sharp

10 cm Cutting edge: 8 mm Tip Ø: 0.15 mm

No. 15023-10



Straight Sharp/Sharp

10 cm Cutting edge: 7 mm Tip Ø: 0.1 mm

No. 15750-11



Curved Sharp/Sharp

10 cm Cutting edge: 7 mm Tip Ø: 0.1 mm

No. 15751-11



Straight Sharp/Sharp

11 cm Cutting edge: 5 mm Tip Ø: 0.2 mm

No. 15650-11



Curved Sharp/Sharp

11 cm Cutting edge: 5 mm Tip Ø: 0.2 mm

No. 15651-11

Castroviejo

Castroviejo with Ball Tip

Castroviejo

Same as No. 15006-09 but with a ball tip (Ø 1.3 mm) to prevent piercing of underlying tissue.









10 cm Cutting edge: 10 mm Tip Ø: 0.125 mm

No. 15006-09



Angled to side Sharp/Ball tip

9 cm Cutting edge: 8 mm Tip Ø: 1.3 mm

No. 15033-09



Curved Sharp/Sharp

10 cm Cutting edge: 10 mm Tip Ø: 0.2 mm

No. 15017-10

Vannas-Wolff

Fine Angled Spring Scissors

Dowell

These spring scissors aid in cutting tissues from various angles.









Moria MC52

Moria MC50



Straight Sharp/Sharp

10 cm Cutting edge: 7 mm Tip Ø: 0.15 mm

No. 15370-52



Curved Sharp/Sharp

10 cm Cutting edge: 7 mm Tip Ø: 0.15 mm

No. 15370-50



Angled up Sharp/Sharp

9.5 cm Cutting edge: 2 mm Tip Ø: 0.1 mm

No. 15010-09



Angled up Sharp/Sharp

10 cm Cutting edge: 4 mm Tip Ø: 0.125 mm

No. 15010-10



Straight Sharp/Sharp

11.5 cm Cutting edge: 10 mm Tip Ø: 0.1 mm

No. 15040-11



Angled up Sharp/Sharp

11.5 cm Cutting edge: 10 mm Tip Ø: 0.1 mm

No. 15042-11





Vannas Westcott Pascheff-Wolff

Very delicate blades.

Moria











Straight

Sharp/Sharp

10.5 cm Cutting edge: 4 mm Tip Ø: 0.15 mm

No. 15018-10



Curved
Sharp/Sharp

10.5 cm Cutting edge: 4 mm Tip Ø: 0.15 mm

No. 15019-10



11 cm Cutting edge: 15 mm Tip Ø: 0.25 mm

No. 15015-11





Angled up Sharp/Sharp

10.5 cm Cutting edge: 3 mm Tip Ø: 0.15 mm

No. 15371-92

Noyes

Tungsten Carbide Noyes

Tungsten carbide cutting edges provide long lasting sharpness.









Straight Sharp/Sharp

12 cm Cutting edge: 14 mm Tip Ø: 0.2 mm

No. 15012-12



Curved Sharp/Sharp

12 cm Cutting edge: 14 mm Tip Ø: 0.2 mm

No. 15011-12



Angled up Sharp/Sharp

12 cm Cutting edge: 14 mm Tip Ø: 0.2 mm

No. 15013-12



Straight Sharp/Sharp

12 cm Cutting edge: 14 mm Tip Ø: 0.275 mm

No. 15514-12



ToughCut® Spring Scissors

Round Handled Vannas Round handles allow easy fingertip

adjustments.

Spring Scissors









12.5 cm Cutting edge: 6 mm Tip Ø: 0.3 mm

No. 15124-12



Curved Sharp/Sharp

12.5 cm Cutting edge: 6 mm Tip Ø: 0.3 mm

No. 15123-12



Straight

Sharp/Sharp

12.5 cm Cutting edge: 6 mm Tip Ø: 0.075 mm

No. 15400-12



Curved Sharp/Sharp

12.5 cm Cutting edge: 6 mm Tip Ø: 0.075 mm

No. 15401-12



Straight Sharp/Sharp

14 cm Cutting edge: 6 mm Tip Ø: 0.15 mm

No. 15020-15



Curved Sharp/Sharp

14 cm Cutting edge: 6 mm Tip Ø: 0.15 mm

No. 15021-15

Long Handle Spring Scissors



Special design with short handle and inner spring.







Straight Sharp/Sharp

8 cm Cutting edge: 8 mm Tip Ø: 0.2 mm

No. 15110-08



Angled to side Sharp/Sharp

8 cm Cutting edge: 8 mm Tip Ø: 0.2 mm

No. 15111-08

Curved

Sharp/Sharp

18.5 cm

Cutting edge: 5 mm

Tip Ø: 0.2 mm

No. 15027-18

Micro Scissors

With microserrations to minimize slippage.

The finest blades on spring scissors. Designed for ophthalmic surgery (vitrectomy). The spring handles are made of ribbed plastic to ensure a solid grip. Autoclavable.

Micro Scissors



No. 15031-14



No. 15030-14

Ultra Fine Clipper Scissors II

For microscopic dissections of soft and mucous tissue. The minute fineness of the blades allows clear visualization of the tissue being dissected.



Uses:

- Removing sheath of ganglia to access neurons in aplysia.
- Cutting single nerve axons in aplysia, mollusk and snail.
- Stripping fascia off arteries and muscles.
- Ultra fine brain tissue dissection.
- Cutting of minute fiber optic strands.



Straight Sharp/Sharp

10 cm Cutting edge: 2 mm Tip Ø: 0.08 mm Blade shape: Triangular 0.1 mm Blade thickness

No. 15300-00

Biemer Scissors

These scissors are designed to securely cut vessels without slipping.





8.5 cm Cutting edge: 4 mm Tip Ø: 2 mm

No. 15032-08



Bonn-Gawenda Scissors

The innovative Bonn-Gawenda scissors from our Exclusive Line combine a precise cutting edge, similar to our spring scissors and our ToughCut® feature which ensures an exact cut without slipping. These scissors have perfect tips for precision work under a microscope. Designed with comfort and ergonomics in mind, the large finger loops and specially engineered handle ensure exceptional control throughout each use.













10.5 cm Cutting edge: 10 mm

No. 14854-10



Curved Sharp/Sharp

10.5 cm Cutting edge: 10 mm

No. 14855-10

Extra Fine Bonn

Our finest iris scissors, best suited for microdissection under high magnification.







8.5 cm Cutting edge: 10 mm

No. 14084-08



Curved Sharp/Sharp

8.5 cm Cutting edge: 10 mm

No. 14085-08



Straight **Sharp/Blunt**

8.5 cm Cutting edge: 10 mm

No. 14083-08





Extra Fine Bonn

Highly polished.



ToughCut® Bonn-Strabismus

A fusion of two light and delicate iris scissors with ToughCut cutting edges.

TOUGH



Hardened Fine Iris Scissors

These scissors have an anti-reflective finish to reduce glare.







8.5 cm Cutting edge: 10 mm

No. 14184-09



8.5 cm Cutting edge: 10 mm

No. 14185-09



8.5 cm Cutting edge: 10 mm

No. 14084-09



8.5 cm Cutting edge: 10 mm

No. 14085-09



Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14090-09

11 cm Cutting edge: 16 mm

No. 14090-11



Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14091-09

11 cm Cutting edge: 16 mm

No. 14091-11



Fine Iris Scissors

Made from Martensitic stainless steel, combined with Molybdenum and Vanadium.



Straight Sharp/Sharp

10.5 cm Cutting edge: 16 mm

No. 14094-11



10.5 cm Cutting edge: 16 mm

No. 14095-11

Iris Scissors

Delicate pattern.







9 cm Cutting edge: 16 mm

No. 14060-09

10.5 cm Cutting edge: 16 mm

No. 14060-10

11.5 cm Cutting edge: 16 mm

No. 14060-11



Curved Sharp/Sharp 9 cm

Cutting edge: 16 mm

No. 14061-09

10.5 cm Cutting edge: 16 mm

No. 14061-10

11.5 cm Cutting edge: 18 mm

No. 14061-11



Curved to side Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14062-09



No. 14062-10



Angled to side Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14063-09



Left Handed Iris Scissors Moria Iris Scissors Extra Narrow Iris Scissors Extra narrow, delicate pattern. Very slim blades with gentle cutting action. Moria MOST POPULAR LEFT-HANDED Moria 4877A Side-view showing extra narrow pattern Straight Curved Straight Straight Sharp/Sharp Sharp/Sharp Sharp/Sharp Sharp/Sharp 10.5 cm 10.5 cm 12.5 cm 10.5 cm Cutting edge: 18 mm Cutting edge: 18 mm Cutting edge: 10.5 mm Cutting edge: 16 mm

No. 14088-10

No. 14161-10

No. 14160-10

RESEARCH

No. 14370-22

Largo Loops Scissors







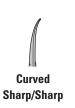
Wagner





10 cm Cutting edge: 16 mm

No. 14040-10



10 cm Cutting edge: 16 mm

No. 14041-10



12 cm Cutting edge: 20 mm

No. 14068-12



Curved Sharp/Sharp

12 cm Cutting edge: 20 mm

No. 14069-12



Straight Sharp/Sharp

12 cm Cutting edge: 20 mm

No. 14070-12



Sharp/Sharp

12 cm Cutting edge: 20 mm

No. 14071-12

Fine Scissors Lexer-Baby







10 cm Cutting edge: 17 mm

No. 14028-10



Curved Sharp/Blunt

10 cm Cutting edge: 17 mm

No. 14029-10



10 cm Cutting edge: 16 mm

No. 14078-10



Curved Blunt/Blunt

10 cm Cutting edge: 16 mm

No. 14079-10

ToughCut®

Tungsten Carbide









Straight Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14058-09

11.5 cm Cutting edge: 16 mm

No. 14058-11



Curved Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14059-09

11.5 cm Cutting edge: 16 mm

No. 14059-11









Sharp/Sharp

 $9\,\mathrm{cm}$ Cutting edge: 16 mm

No. 14568-09

11.5 cm Cutting edge: 16 mm

No. 14568-12



Curved Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14569-09

11.5 cm Cutting edge: 16 mm

No. 14569-12





ToughCut® and Tungsten Carbide









Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14558-09

11.5 cm Cutting edge: 16 mm

No. 14558-11



Curved Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14559-09

11.5 cm Cutting edge: 16 mm

No. 14559-11

CeramaCut®

These ceramic-coated scissors are the cleanest cutting, longest lasting scissors ever produced. Utilizing the unique properties of a ceramic coating, they will last six times longer than Tungsten Carbide instruments and cut even better than ToughCut® scissors. The black, corrosion-resistant coating has a non-glare finish.









Straight Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14958-09

11.5 cm Cutting edge: 16 mm

No. 14958-11



Curved Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14959-09

11.5 cm Cutting edge: 16 mm

No. 14959-11

Strabismus

Tungsten Carbide Strabismus







Blunt/Blunt

9 cm Cutting edge: 12 mm

No. 14074-09

11.5 cm Cutting edge: 20 mm

No. 14074-11



Curved **Blunt/Blunt**

9 cm Cutting edge: 12 mm

No. 14075-09

11.5 cm Cutting edge: 20 mm

No. 14075-11





Blunt/Blunt

9 cm Cutting edge: 12 mm

No. 14574-09

11 cm Cutting edge: 20 mm

No. 14574-11



Curved Blunt/Blunt

9 cm Cutting edge: 12 mm

No. 14575-09

11 cm Cutting edge: 20 mm

No. 14575-11





Walton **Stevens Tenotomy**







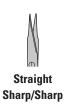
9.5 cm Cutting edge: 10 mm

No. 14077-09



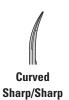
10.5 cm Cutting edge: 10 mm

No. 14077-10



11 cm Cutting edge: 13 mm

No. 14064-11



11 cm Cutting edge: 13 mm

No. 14065-11



Blunt/Blunt

11 cm Cutting edge: 13 mm

No. 14066-11



Blunt/Blunt

11 cm Cutting edge: 13 mm

No. 14067-11



LaGrange

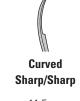
One edge is serrated to minimize slippage of tissue during cutting. Curved handle helps when cutting from an awkward angle.



Transplant scissors with light and delicate pattern.

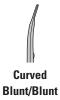






11.5 cm Cutting edge: 12 mm

No. 14173-12



12 cm Cutting edge: 16 mm

No. 14105-12



Dissector Scissors

Slim blades for cutting tissue.



Similar to 14081-09, but with stronger blades for cutting fine bone.

Spencer Ligature

Used for cutting stitches or suture.









Angled to side Sharp/Sharp

10 cm Cutting edge: 6 mm

No. 14081-09



Angled to side Sharp/Sharp

10.5 cm Cutting edge: 8 mm

No. 14082-09



Straight Sharp/Sharp

9 cm Cutting edge: 16 mm

No. 14076-09



Bonn Artery

Iris scissors with one ball tip to prevent piercing of underlying tissue.

Tissue Separating Scissors







Straight Sharp/Ball tip

9 cm Cutting edge: 10 mm 1.5 mm Ball Diameter

No. 14086-09



Straight Sharp/Ball tip

11.5 cm Cutting edge: 16 mm 1.5 mm Ball Diameter

No. 14080-11



Straight Blunt/Blunt

11.5 cm Cutting edge: 16 mm

No. 14072-10



Graefe

Adjustable Loops Fine Scissors

The finger loops can be enlarged to fit almost any size.





Kaye

These scissors have semi-sharp outer edges to better facilitate dissection.









10.5 cm Cutting edge: 12 mm

No. 14037-10



Straight Sharp/Sharp

9.5 cm Cutting edge: 8 mm

No. 14106-09



Straight Blunt/Blunt

9.5 cm Cutting edge: 8 mm

No. 14108-09



Curved Blunt/Blunt

10.5 cm Cutting edge: 14 mm

No. 14171-10

Standard Pattern

Our standard surgical scissors are recognized for these important features:

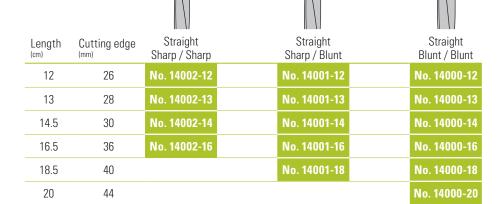
- Excellent feel and handling capability.
- Overall execution that marks them as fine examples of German craftsmanship.





14008-14

F-S-T 14001-14



Length (cm)	Cutting edge (mm)	Straight Sharp / Blunt
14.5	30	No. 14008-14

				IIII		IIII
	Length (cm)	Cutting edge	Curved Sharp / Sharp	Curved Sharp / Blun	t	Curved Blunt / Blunt
	12	26	No. 14005-12	No. 14004-1	2	No. 14003-12
	13	28	No. 14005-13	No. 14004-1	3	No. 14003-13
	14.5	30	No. 14005-14	No. 14004-1	4	No. 14003-14
	16.5	36	No. 14005-16	No. 14004-1	6	No. 14003-16
	18.5	40		No. 14004-1	8	No. 14003-18
	20	44				No. 14003-20



ToughCut® Standard Pattern

Tungsten Carbide Standard Pattern











13 cm Cutting edge: 28 mm

No. 14054-13



17.5 cm Cutting edge: 42 mm

No. 14130-17



Straight Sharp/Sharp

14.5 cm Cutting edge: 34 mm

No. 14502-14



Straight Sharp/Blunt

14.5 cm Cutting edge: 34 mm

No. 14501-14



Curved Sharp/Sharp

14.5 cm Cutting edge: 34 mm

No. 14505-14



Sharp/Blunt

14.5 cm Cutting edge: 34 mm

No. 14504-14





Standard Pattern with Serrations





Standard Pattern with Large Finger Loops

These finger loops are approximately 1.5x larger than our standard surgical scissors.





Lister

Excellent skin cutting scissors. Longer, blunt blade prevents damaging tissue underneath skin without losing the cutting line.







14 cm Cutting edge: 30 mm

No. 14007-14



14.5 cm Cutting edge: 30 mm

No. 14101-14



Blunt/Blunt

14 cm Cutting edge: 26 mm

No. 14131-14



Metzenbaum Baby

Tungsten Carbide Metzenbaum Fino





Curved Blunt/Blunt

70% of

actual size

13 cm Cutting edge: 20 mm

No. 14019-13

14.5 cm Cutting edge: 22 mm

No. 14019-14

18 cm Cutting edge: 24 mm

No. 14019-18



Straight Ultra fine Blunt/ Blunt

14.5 cm Cutting edge: 22 mm

No. 14508-15 No. 14518-

No. 14518-14

Straight

Blunt/Blunt

14.5 cm

Cutting edge: 22 mm

18 cm Cutting edge: 24 mm No. 14518-18



Curved Blunt/Blunt

Curved

Ultra fine Blunt/

Blunt

14.5 cm

Cutting edge: 22 mm

No. 14509-15

14.5 cm Cutting edge: 22 mm

No. 14519-14

18 cm Cutting edge: 24 mm

No. 14519-18



Straight

Blunt/Blunt

13 cm Cutting edge: 20 mm

No. 14018-13

14.5 cm

Cutting edge: 22 mm

No. 14018-14

18 cm

Cutting edge: 24 mm

No. 14018-18

Metzenbaum

80% of

F-S-T 14016-14

actual size

ToughCut® Metzenbaum







14.5 cm Cutting edge: 22 mm

No. 14024-14



14.5 cm Cutting edge: 22 mm

No. 14016-14

18 cm Cutting edge: 24 mm

No. 14016-18



Curved Blunt/Blunt

14.5 cm Cutting edge: 22 mm

No. 14017-14

18 cm Cutting edge: 24 mm

No. 14017-18



18 cm

Cutting edge: 24 mm

No. 14117-18

18 cm

Cutting edge: 24 mm

No. 14116-18

Mayo ToughCut® Mayo **Tungsten Carbide Mayo** TOUGH TUNGSTEN CARBIDE **TUNGSTEN** CUT CARBIDE TOUGH CUT 14512-15 & 14512-17 0 80% of 80% of 80% of actual size actual size actual size **Straight** Curved Straight Curved Straight Curved Straight Blunt/Blunt **Blunt/Blunt Blunt/Blunt Blunt/Blunt Blunt/Blunt Blunt/Blunt** Blunt/Blunt 15 cm Cutting edge: 28 mm No. 14010-15 No. 14011-15 No. 14110-15 No. 14510-15 No. 14511-15 No. 14512-15 17 cm Cutting edge: 32 mm No. 14010-17 No. 14011-17 No. 14110-17 No. 14111-17 No. 14510-17 No. 14511-17 No. 14512-17

Mayo-Stille Mayo-Noble **Decapitation Scissors** Stop guard at tips to prevent slippage. MOST POPULAR 80% of 80% of 65% of actual size actual size actual size Straight Curved Blunt/Blunt **Blunt/Blunt** 15 cm 15 cm Cutting edge: 28 mm Cutting edge: 28 mm No. 14012-15 No. 14013-15 Straight Curved Straight **Blunt/Blunt Blunt/Blunt Blunt/Blunt** 17 cm 17 cm 16.5 cm 16.5 cm 21 cm Cutting edge: 50 mm Cutting edge: 32 mm Cutting edge: 32 mm Cutting edge: 30 mm Cutting edge: 30 mm No. 14014-17 No. 14015-17 No. 14200-21 No. 14012-17 No. 14013-17