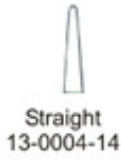




Castroviejo
14cm/5½"



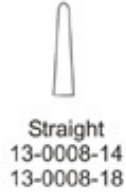
Straight
13-0004-14



Curved
13-0005-14



Castroviejo



Straight
13-0008-14
13-0008-18



Curved
13-0009-14
13-0009-18



Castroviejo
9cm/3½"



Straight
13-0012-09



Curved
13-0013-09



Castroviejo
14cm/5½"



Straight
13-0016-14



Curved
13-0017-14



Castroviejo
9 cm/3½"



Straight
13-0020-09



Curved
13-0021-09



Castroviejo
14 cm/5½"



Straight
13-0024-14



Curved
13-0025-14



Paton
13-0028-11
11.5 cm/4½"



Jacobson

| cm | in | Without ratchet | With ratchet |
|----|-----|-----------------|--------------|
| 18 | 7" | 13-0032-18 | 13-0034-18 |
| 21 | 8¼" | 13-0032-21 | 13-0034-21 |



Yasargil



Straight

- 13-0036-20 20.0 cm/8"
- 13-0036-22 22.5 cm/9"



Curved

- 13-0037-16 16.5 cm/6½"
- 13-0037-20 20.0 cm/9"
- 13-0037-22 22.5 cm/9"
- 13-0037-24 24.5 cm/9¾"



Straight

- 13-0042-16 16.0 cm/6¼"
- 13-0042-18 18.5 cm/7¼"



Curved

- 13-0043-16 16.0 cm/6¼"
- 13-0043-18 18.5 cm/7¼"



Straight
13-0046-15
15 cm/6"



Curved
13-0047-15
15 cm/6"



Straight
13-0050-18
18 cm/7"



Curved
13-0051-18
18 cm/7"



Straight
13-0054-18
18 cm/7"

Straight



13-0058-18
13-0058-22

Curved



13-0059-18
13-0059-22

Yasargil
18.0 cm/7"
22.5 cm/8¾"



Straight
13-0062-15
15 cm/6"



Curved
13-0063-15
15 cm/6"



Straight
13-0066-15
15 cm/6"



Curved
13-0067-15
15 cm/6"



Straight
13-0070-18
18.5 cm/7 1/4"



Curved
13-0071-18
18.5 cm/7 1/4"



Straight
13-0074-18
18.5 cm/7 1/4"



Curved
13-0075-18
18.5 cm/7 1/4"



23 cm/9"



Straight
13-0078-23



Curved
13-0079-23



Straight



Curved

- 13-0082-18 18 cm/7"
- 13-0082-21 21 cm/8 1/4"
- 13-0082-23 23 cm/9 1/4"

With ratchet

- 13-0083-18 18 cm/7"
- 13-0083-21 21 cm/8 1/4"
- 13-0083-23 23 cm/9 1/4"

Without ratchet



Straight
13-0086-12
12 cm/4 3/4"



Curved
13-0087-12
12 cm/4 3/4"



Angled
13-0089-12
12 cm/4 3/4"



Straight
13-0094-12
12 cm/4 3/4"



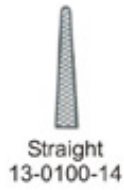
Curved
13-0095-12
12 cm/4 3/4"



Angled
13-0097-12
12 cm/4 3/4"



Arruga
14 cm/5½"



Straight
13-0100-14



Curved
13-0101-14



Stevens
13-0104-13 13 cm/5"
13-0104-15 15 cm/6"



Kalt
13-0108-14
14 cm/5½"



Castroviejo-Kalt
13-0110-13
13.5 cm/5¼"



Kalt-Arruga
13-0113-14
14 cm/5½"



Straight
13-0116-12



Curved
13-0117-12



Straight
13-0120-12



Curved
13-0121-12

Castroviejo
12cm/4³/₄"

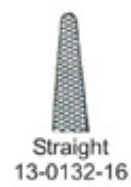
Castroviejo
12cm/4³/₄"



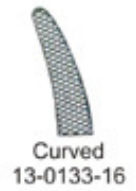
Castroviejo
13-0124-13
13cm/5"



Boynton
13-0128-12
12cm/4³/₄"



Straight
13-0132-16



Curved
13-0133-16

Arruga
16cm/6¹/₄"



Castroviejo

14cm/5½"
18cm/7"
21cm/8¼"

El grip



13-0136-14
13-0136-18
13-0136-21

Smooth



13-0140-14
13-0140-18
13-0140-21



14cm/5½"
18cm/7"
21cm/8¼"

13-0137-14
13-0137-18
13-0137-21



13-0141-14
13-0141-18
13-0141-21



Kalt
14cm/5½"



13-0144-14



13-0146-14



Barraquer
13-0149-14
14cm/5½"



Castroviejo
13-0152-13
13cm/5"



Hepp-Schiedel
18cm/7"



13-0156-18



13-0158-18

Smooth

El grip



Arruga
14cm/5½"



Jacobson
13-0166-18 18cm/7"
13-0166-20 20cm/8"
13-0166-23 23cm/8¾"



Diethrich

| Straight | | Curved |
|------------|----------|------------|
| 13-0170-16 | 16cm/6¼" | 13-0171-16 |
| 13-0170-18 | 18cm/7" | 13-0171-18 |
| 13-0170-20 | 20cm/8" | 13-0171-20 |
| 13-0170-23 | 23cm/9" | 13-0171-23 |
| 13-0170-25 | 25cm/10" | 13-0171-25 |



13-0174-13



13-0176-13

Smooth



Halsey
13cm/5"



Webster
13cm/5"



13-0180-13

Smooth



Derf
13-0184-12
12cm/4¾"



Derf
13-0188-12
12.5cm/5"



Collier
13-0192-12
12.5cm/5"



Hegar-Baumgartner
13-0196-14
14cm/5½"



Brown
13-0200-13 13cm/5"
13-0200-18 18cm/7"



New Orleans
13-0204-18
18cm/7"





Mayo-Hegar

| | | |
|-----------|------------|------------|
| 13cm/5" | 13-0206-13 | |
| 14cm/5½" | 13-0206-14 | |
| 16cm/6¼" | 13-0206-16 | 13-0207-16 |
| 18cm/7" | 13-0206-18 | 13-0207-18 |
| 20cm/8" | 13-0206-20 | 13-0207-20 |
| 24cm/9½" | 13-0206-24 | 13-0207-24 |
| 26cm/10¼" | 13-0206-26 | 13-0207-26 |
| 30cm/12" | 13-0206-30 | 13-0207-30 |



Heaney
13-0210-21
21cm/8¼"

Delicate Pattern



Mayo-Hegar
13-0213-16 16cm/6 ¼"
13-0213-18 18cm/7"
13-0213-20 20cm/8"

Heavy Pattern



Hegar
13-0214-16 16cm/6¼"
13-0214-18 18cm/7"
13-0214-20 20cm/8"



M.G.H.
(Mass.-General-Hospital)
13-0216-17
17 cm/6¾"



Sarot
13-0220-18 18.5 cm/7 ¼"
13-0220-26 26.0 cm/10 ¼"



Finocchietto
13-0224-27
27 cm/10½"



Masson
13-0226-27
27 cm/10½"



Jameson
13-0230-23
23.5 cm/9 ¼"



Wangensteen
13-0234-27
27 cm/10½"



Crile-Wood
13-0238-15
15 cm/6"



Adson
13-0244-18
18 cm/7"



Ermold
13-0248-17 17 cm/6¾"
13-0248-20 20 cm/8"

Needle holders with scissors



Baby-Olsen-Hegar
11.5 cm/4½"



Olsen-Hegar
13-0256-14 14 cm/5½"
13-0256-18 18 cm/7"



Olsen-Hegar
13-0260-17
17 cm/6¾"



Olsen-Hegar
13-0262-14
14 cm/5½"



Gillies
13-0264-16 L
13-0266-16 R
16 cm/6¼"



Gillies Slim
13-0267-14
14 cm/5½"



Crile
13-0268-15
15 cm/6"



Axhausen
13-0269-18
18.5 cm/7¼"



Lichtenberg
13-0272-20
20 cm/8"



Toennis
13-0276-18
18 cm/7"



Mathieu



13-0280-14 14 cm/5 1/2"
13-0280-17 17 cm/6 3/4"
13-0280-20 20 cm/8"



13-0282-14
13-0282-17
13-0282-20



Mathieu

13-0286-14 14 cm/5 1/2"
13-0286-17 17 cm/6 3/4"
13-0286-20 20 cm/8"

Two rings angled

El grip



Neivert
13-0290-13
13 cm/5"



Neivert
13-0294-13
13 cm/5"



Webster
13-0298-13
13 cm/5"

Smooth



Derf
13-0302-12
12.5 cm/5"



New Orleans
13-0306-18
18 cm/7"



Bozemann
13-0309-20 20 cm/8"
13-0309-24 24 cm/9 1/2"
13-0309-26 26 cm/10 1/2"

El grip



Mayo-Hegar



13-0312-16
13-0312-18
13-0312-20
13-0312-24
13-0312-26
13-0312-30

13-0313-20
13-0313-24
13-0313-26

16cm/6¼"
18cm/7"
20cm/8"
24cm/9½"
26cm/10½"
30cm/12"



Hegar-Baumgartner
13-0316-14
14cm/5½"



Mayo-Hegar
13-0320-20 20cm/8"
13-0320-24 24cm/9½"



De Bakey
13-0324-18 18cm/7"
13-0324-20 20cm/8"
13-0324-23 23cm/9"
13-0324-26 26cm/10¼"
13-0324-31 31cm/12¼"



De Bakey-Fine
13-0328-18 18cm/7"
13-0328-20 20cm/8"
13-0328-23 23cm/9"
13-0328-26 26cm/10¼"
13-0328-31 31cm/12¼"

El grip



Baby-Crile-Wood
13-0332-15
15cm/6"

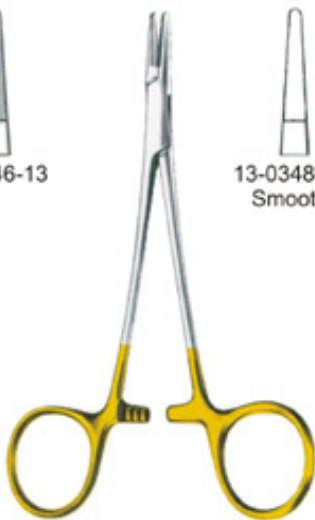


Crile-Wood
15cm/6"



Crile-Wood

| | cm | in |
|------------|----|------|
| 13-0342-18 | 18 | 7" |
| 13-0342-20 | 20 | 8" |
| 13-0342-23 | 23 | 9" |
| 13-0342-26 | 26 | 10¼" |
| 13-0342-31 | 31 | 12¼" |



Halsey
13cm/5"



Converse
13-0352-12
12.5cm/5"



Kilner
13-0355-13
13.5cm/5¼"

El grip



Hegar-Vascular
13-0358-14 14cm/5½"
13-0358-18 18cm/7"
13-0358-20 20cm/8"
13-0358-23 23cm/9"



Ryder
13-0362-13
13-0362-15
13-0362-18
13-0362-20
13-0362-23
13-0362-26



Micro-Ryder
13-0366-13 13cm/5"
13-0366-15 15cm/6"
13-0366-18 18cm/7"
13-0366-20 20cm/8"
13-0366-23 23cm/9"
13-0366-26 26cm/10¼"



(Swedish Pattern)
13-0370-15 15cm/6"
13-0370-17 17cm/6¾"
13-0370-20 20cm/8"



Sarot
13-0374-18 18cm/7"
13-0374-26 26cm/10¼"

El grip



Stratte
13-0377-23
23cm/9"



Masson
13-0380-27
27cm/10½"



Wangensteen
13-0382-27
27cm/10½"



Finocchietto
13-0385-20 20cm/8"
13-0385-27 27cm/10½"



El grip



Mathieu

Mathieu

Mathieu-Ryder

| | | | |
|----------|------------|------------|------------|
| 14cm/5½" | 13-0388-14 | 13-0390-14 | |
| 17cm/6¾" | 13-0388-17 | 13-0390-17 | 13-0394-17 |
| 20cm/8" | 13-0388-20 | 13-0390-20 | 13-0394-20 |
| 24cm/9½" | 13-0388-24 | 13-0390-24 | |



Langenbeck

Langenbeck-Ryder

Lichtenberg

| | | | |
|----------|------------|------------|------------|
| 16cm/6¼" | 13-0398-16 | | |
| 18cm/7" | 13-0398-18 | 13-0402-18 | |
| 20cm/8" | 13-0398-20 | 13-0402-20 | 13-0406-20 |

El grip



Toennis
13-0410-18
18 cm/7"



Mathieu-Kocher
13-0414-14 14 cm/5 1/2"
13-0414-17 17 cm/6 3/4"
13-0414-20 20 cm/8"



Axhausen
13-0418-18
18.5 cm/7 1/4"



Zweifel
13-0422-20 20 cm/8"
13-0422-23 23 cm/9"



13-0426-20 20 cm/8"
13-0426-25 25 cm/10"

El grip



Heavy Pattern

Mathieu
13-0430-20 20 cm/8"
13-0430-24 24 cm/9½"



Metzenbaum
13-0433-17 17 cm/6¾"
13-0433-20 20 cm/8"



13-0436-16



13-0437-16

Arruga
16 cm/6¼"



Boynton
13-0440-12
12 cm/4¾"



Hosel
13-0444-20 20 cm/8"
13-0444-25 25 cm/10"

El grip



Baby-Olsen-Hegar
13-0448-11
11.5 cm/4½"



Olsen-Hegar
13-0452-14
14 cm/5½"



Olsen-Hegar
13-0456-17
17 cm/6¾"



Olsen-Hegar
13-0460-18
19 cm/7½"



Gillies-Slim
13-0463-14
14.5 cm/5½"



Gillies
13-0465-16 L
13-0466-16 R
16 cm/6¼"

Left



20 cm/8"



13-0468-01



Blunt



13-0468-02



13-0471-01



Sharp



13-0471-02

Deschamps-Standard

Right



20 cm/8"

Fine



20 cm/8"



13-0474-01



Blunt



13-0474-02



13-0477-01



Sharp

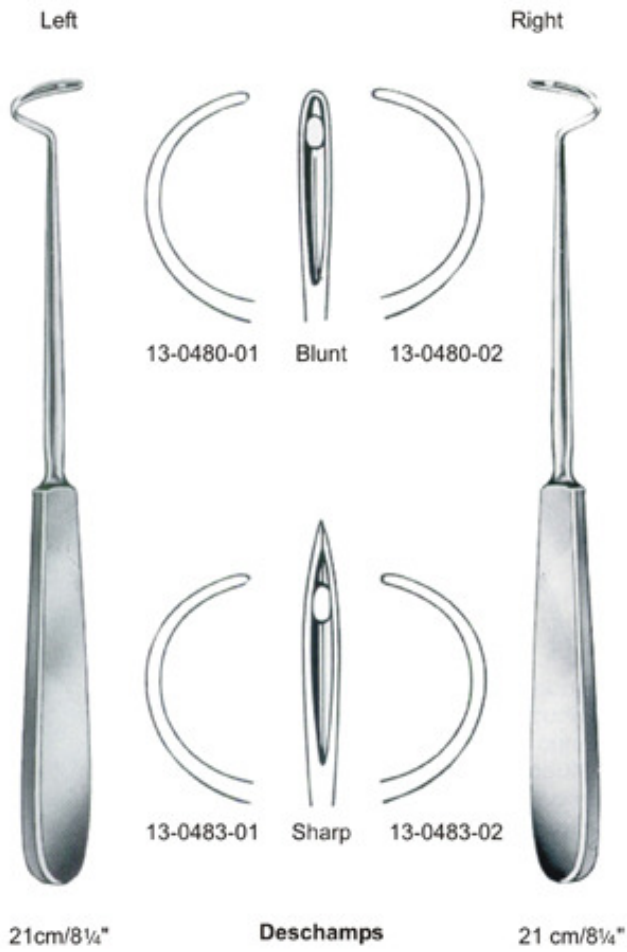
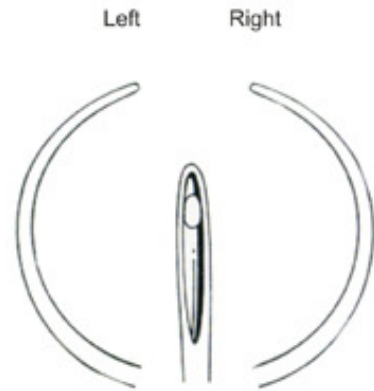


13-0477-02

Deschamps

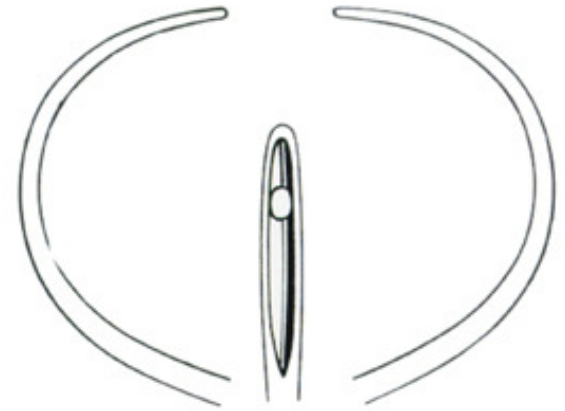


20 cm/8"



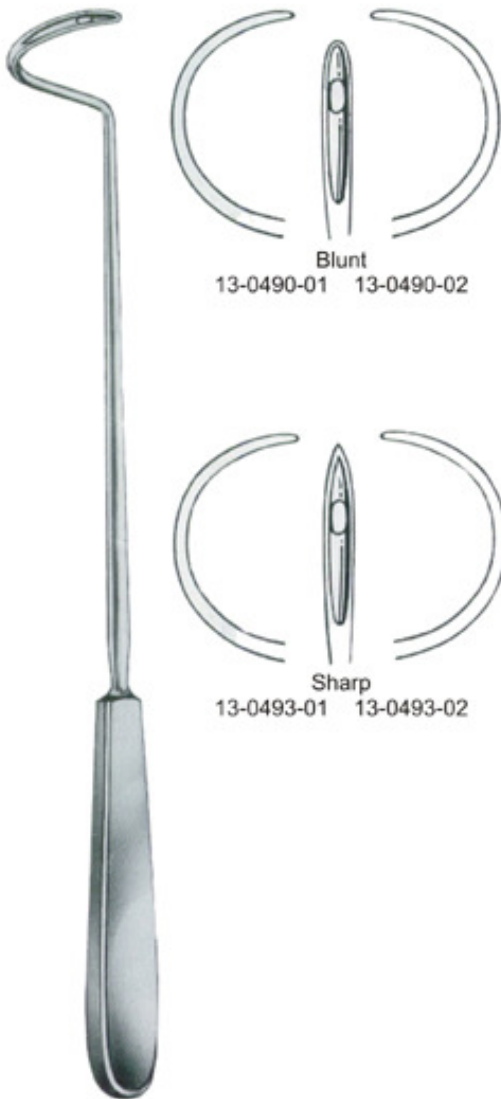
Left

Right

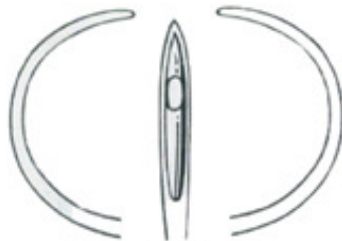


Left

Right



Blunt
13-0490-01 13-0490-02



Sharp
13-0493-01 13-0493-02



27 cm/10½"

Deschamps

27 cm/10½"

13-0496-01

Deschamps
28 cm/11"

13-0496-02

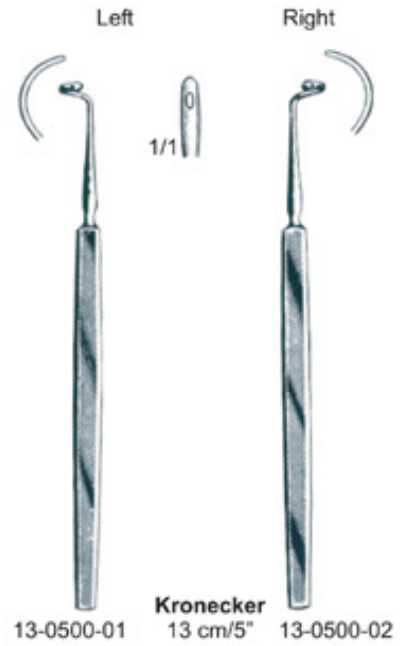


13-0498-01

13-0498-02

13-0498-03

Kocher
19 cm/7½"



13-0500-01

Kronecker
13 cm/5"

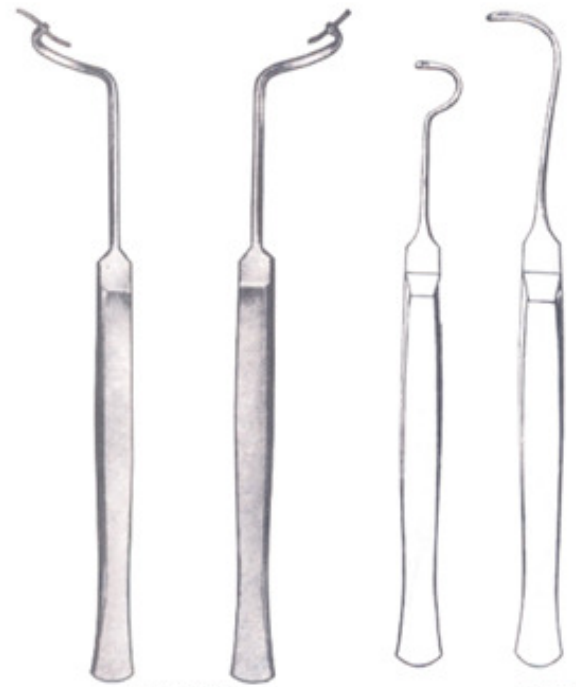
13-0500-02



Dupuy-Weiss
13-0503-01 22 cm/8¾" 13-0503-02



Durham
13-0505-01 21 cm/8¼" 13-0505-02



Dupuytren
13-0508-01 16.5cm/6½" 13-0508-02

Syme
13-0510-13 13.5cm/5¼" 13-0512-16 16.5cm/6½"

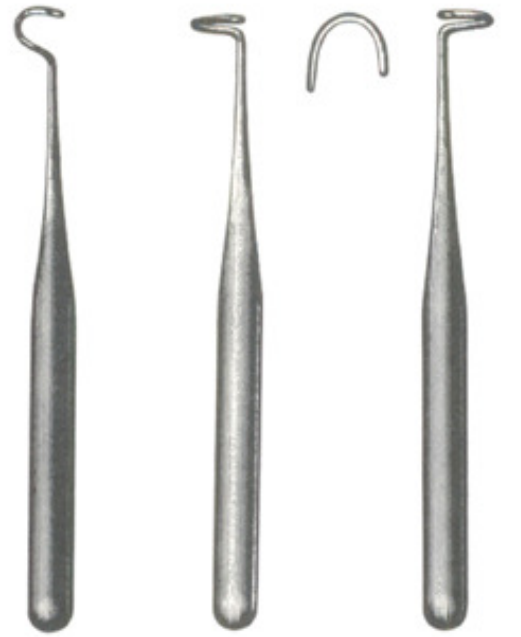


Flexible

Schmieden-Dick
13-0516-32



Schmieden
13-0518-21
21 cm/8¼"



13-0514-01

Anuerysm Needle
13-0514-02
13cm/5"

13-0514-03



Flexible

13-0522-20
20 cm/8"



Cooper
13-0524-19
19 cm/7½"



With 3 needle

Young

13-0529-25 25 cm/10"

Spare needle only



13-0529-01



13-0529-02



13-0529-03



Reverdin
14 cm/5½"



Fig. 1
13-0531-01



Fig. 2
13-0531-02



Fig. 3
13-0531-03



Fig. 4
13-0531-04



Reverdin
19.5 cm/7¾"



Fig. 1
13-0535-01



Fig. 2
13-0535-02



Fig. 3
13-0535-03



Fig. 4
13-0535-04



Reverdin
22.5 cm/8¾"



Fig. 1
13-0537-01



Fig. 2
13-0537-02



Fig. 3
13-0537-03



Fig. 4
13-0537-04



Brunner
13-0540-30
13-0541-30
30 cm/12"



Payr
13-0544-22
22 cm/8 3/4"



Payr
13-0546-22
22 cm/8 3/4"



Brunner
13-0550-30
30 cm/12"





Kirschner
13-058-25
25.5 cm/10"



Brunner
13-0562-30
30 cm/12"



Brunner-Ferrozell
13-0568-18 18 cm/7"
13-0568-27 27 cm/10½"



Schmieden-Payr
13-0572-19
19 cm/7½"



Schmieden
13-0574-19
19 cm/7½"





Michel
13-0600-12
12 cm/4¾"



Michel
13-0604-12
12 cm/4¾"



Wachenfeldt
13-0608-12
12 cm/4¾"



Wachenfeldt
13-0612-12
12.5cm/5"



Wachenfeldt
13-0616-12
12.5 cm/5"



Hagenbarth
13-0620-12
12.5 cm/5"



Michel
13-0624-12
12 cm/4¾"



Michel Modif
13-0628-12
12.5 cm/5"



Collin
13-0632-13
13 cm/5"



Richter-Heath
13-0636-14
14 cm/5½"



Child
13-0640-18
18 cm/7"



Child
13-0646-18
18 cm/7"