



12-637-15  
2 mmØ



12-638-15  
3 mmØ



12-639-15  
4 mmØ



12-640-15  
5 mmØ



12-641-15  
6 mmØ



12-642-15  
8 mmØ



12-643-15  
10 mmØ



Passow

12-644-12

Fig.1

2.5 mm x 2.5 mm



12-645-12

Fig.2

3.5 mm x 3.5 mm

12 cm - 4 3/4"



Caspar

12-646-20  
3 mmØ



12-647-20  
5 mmØ

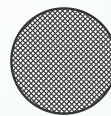


12-648-20  
8 mmØ

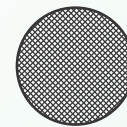
20 cm - 8"



12-649-20  
12 mmØ



12-650-20  
14 mmØ



12-651-20  
16 mmØ

20 cm - 8"



<b>Volkman</b>					
12-652-17	12-653-17	12-654-17	12-655-17	12-656-17	17 cm - 6 3/4"
Fig.0000	Fig.000	Fig.00	Fig.0	Fig.1	

12-657-17	12-658-17	12-659-17	12-660-17	12-661-17	17 cm - 6 3/4"
Fig.2	Fig.3	Fig.4	Fig.5	Fig.6	



<b>Schede</b>					
12-662-17	12-663-17	12-664-17	12-665-17	12-666-17	17 cm - 6 3/4"
Fig.000	Fig.00	Fig.0	Fig.1	Fig.2	

12-667-17	12-668-17	17 cm - 6 3/4"
Fig.3	Fig.4	



**Spratt**

12-669-17

Fig.0000



12-670-17

Fig.000



12-671-17

Fig.00

17 cm - 6 3/4"



12-672-17

Fig.0



12-673-17

Fig.1



12-674-17

Fig.2

17 cm - 6 3/4"



12-675-17

Fig.3



12-676-17

Fig.4



12-677-17

Fig.5

17 cm - 6 3/4"



**Bruns**

12-678-16

Fig.000



12-679-16

Fig.00



12-680-16

Fig.0

16 cm - 6 1/4"



12-681-16

Fig.1



12-682-16

Fig.2



12-683-16

Fig.3

16 cm - 6 1/4"



12-684-16

Fig.4



12-685-16

Fig.5



12-686-16

Fig.6



**Volkman**

12-687-18	12-688-18	12-689-18	12-690-18	12-691-18	12-692-18	18.5 cm - 7 1/4"
Fig.0000	Fig.000	Fig.00	Fig.0	Fig.1	Fig.2	

oval, with plastic handle  
 oval, mit Kunststoffgriff  
 ovalada, con mango plástico  
 ovale, avec manche en matière plastique  
 ovale, con manico in plastica

12-693-19	12-694-19	12-695-19	12-696-19	19 cm - 7 1/2"
Fig.3	Fig.4	Fig.5	Fig.6	

12-697-27	12-698-27	12-699-27	12-700-27	12-701-27	27.5 cm - 10 3/4"
Fig.0	Fig.1	Fig.2	Fig.3	Fig.4	



**Halle**

12-702-21

12-703-21

12-704-21

21 cm - 8 1/4"

Fig.1

Fig.2

Fig.3

flexible  
flexibel  
flexible  
flexible  
flessibile



**Uffenorde**

12-705-17

Fig.1



12-706-17

17 cm - 6 3/4"

Fig.2



**Bruns**

12-707-23

Fig.00

12-708-23

Fig.0

12-709-23

Fig.1

12-710-23

Fig.2

23 cm - 9"

solid  
massiv  
macizo  
solide  
massicio



12-711-23

Fig.3

12-712-23

Fig.4

12-713-23

Fig.5

12-714-23

Fig.6

23 cm - 9"



Schrodler

12-715-30

Fig.1



12-716-30

Fig.2



12-717-30

Fig.3

scharf/ fest  
sharp / rigid  
tranchante / rigide  
cortante / rigida  
tagliente / rigido



12-718-30

Fig.4



12-719-30

Fig.5



12-720-30

Fig.6

30 cm - 12"



Simon

12-721-24

Fig.0000



12-722-24

Fig.0000



12-723-24

Fig.00



12-724-24

Fig.0

24 cm - 9 1/2"

sharp/ rigid  
scharf/ fest  
cortante / rigida  
tranchante / rigide  
tagliente / rigido



Simon

12-725-25

Fig.1



12-726-25

Fig.2



12-727-25

Fig.3

25 cm - 9 3/4"



12-728-25



12-729-25












12-730-25

25 cm - 9 3/4"

scharf/ fest  
sharp / rigid  
tranchante / rigide  
cortante / rigida  
tagliente / rigido














			
Fig.000	Fig.00	Fig.0	
12-731-20	12-732-20	12-733-20	20 mm - 8"
			
Fig.1	Fig.2	Fig.3	
12-734-20	12-735-20	12-736-20	20 mm - 8"
			
Fig.4	Fig.5	Fig.6	
12-737-20	12-738-20	12-739-20	20 mm - 8"






straight  
gerade  
recta  
droit  
retto



			
Fig.000	Fig.00	Fig.0	
12-740-20	12-741-20	12-742-20	20 mm - 8"
			
Fig.1	Fig.2	Fig.3	
12-743-20	12-744-20	12-746-20	20 mm - 8"
			
Fig.4	Fig.5	Fig.6	
12-747-20	12-748-20	12-749-20	20 mm - 8"

gebogen  
curved  
courbe  
curva  
curvo







					
Fig.000	Fig.00	Fig.0	Fig.1		
3.6 mm	4.4 mm	5.2 mm	6.8 mm		
12-750-25	12-751-25	12-752-25	12-753-25	25 cm - 9 3/4"	

straight  
gerade  
recta  
droit  
retto



**Daubenspeck**

				
Fig.0000	Fig.000	Fig.00	Fig.0	
2.8 mm	3.6 mm	4.4 mm	5.2 mm	
12-754-20	12-756-20	12-757-20	12-758-20	20 cm - 8"



**Scoville**

12-759-25	12-760-25	12-761-25	25 cm - 9 3/4"
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Fig. 1

Fig. 2

Fig. 3

oval  
oval  
ovalada  
ovale  
ovale



**Lempert**

12-762-21	12-763-21	12-764-21	12-765-21	12-766-21	21.5 cm - 8 1/2"
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Fig. 00000

Fig. 0000

Fig. 000

Fig. 00

Fig. 0

1.8 mm

2.0 mm

2.4 mm

2.6 mm

2.8 mm





Cloward  
20 cm - 8"



0

12-167-14	12-167-14	Fig. 000
2 mm	2 mm	

0

12-167-14	12-167-14	Fig. 00
2.5 mm	2.5 mm	

0

12-167-14	12-167-14	Fig. 0
3 mm	3 mm	

0

12-167-14	12-167-14	Fig. 1
3.5 mm	3.5 mm	

0

12-167-14	12-167-14	Fig. 2
4.5 mm	4.5 mm	

0

12-167-14	12-167-14	Fig. 3
5.5 mm	5.5 mm	

0

12-167-14	12-167-14	Fig. 4
7.5 mm	7.5 mm	

0

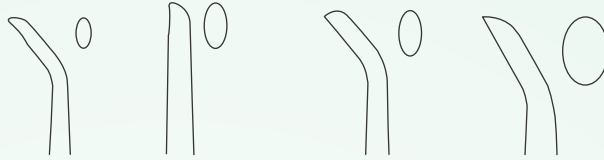
12-167-14	12-167-14	Fig. 5
8.5 mm	8.5 mm	

0

12-167-14	12-167-14	Fig. 6
10 mm	10 mm	



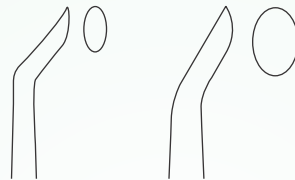
Bruns



12-167-14	12-167-14	12-167-14		43 cm - 17"
		12-167-14	12-167-14	50 cm - 19 3/4"
2 mm	3 mm	3 mm	6 mm	



Epstein



12-167-14		43 cm - 17"
	12-167-14	50 cm - 19 3/4"
3 mm	6 mm	



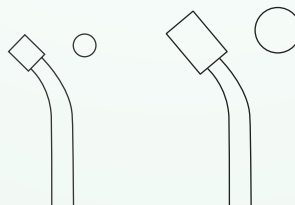
Scoville



12-167-14	50 cm - 19 3/4"
9 mm	



Cone



12-167-14		43 cm - 17"
	12-167-14	50 cm - 19 3/4"
Ø 3 mm	Ø 6 mm	



**Volkman**

12-767-13

12-767-14

12-767-16

12-767-17

12-767-20

oval/oval  
oval/oval  
ovalada/ovalada  
ovale/ovale  
ovale/ovale



12-768-13 13 cm - 5"

12-768-14 14 cm 5 1/2"

12-768-16 16 cm - 6 1/4"

12-768-17 17 cm - 6 3/4"

12-768-20 20 cm - 8"

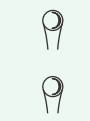
round/oval  
rund/oval  
redonda/ovalada  
ronde/ovale  
rotondo/ovale



12-769-21

21 cm - 8 1/4"

round/oval  
rund/oval  
redonda/ovalada  
ronde/ovale  
rotondo/ovale



**Martini**  
12-770-13  
Fig.00  
Fig.0



12-771-13  
Fig.0  
Fig.1



12-772-13  
Fig.1  
Fig.2

13.5 cm - 5 1/4"



**Martini**  
12-773-15  
Fig.00  
Fig.00



12-774-15  
Fig.0  
Fig.0



12-775-15  
Fig.1  
Fig.

15.5 cm 6"



**Williger**  
12-776-13  
Fig.00  
Fig.0



12-777-13  
Fig.0  
Fig.1



12-778-13  
Fig.1  
Fig.2

13.5 cm 5 1/4"



**Williger**  
12-779-15  
Fig.00  
Fig.00

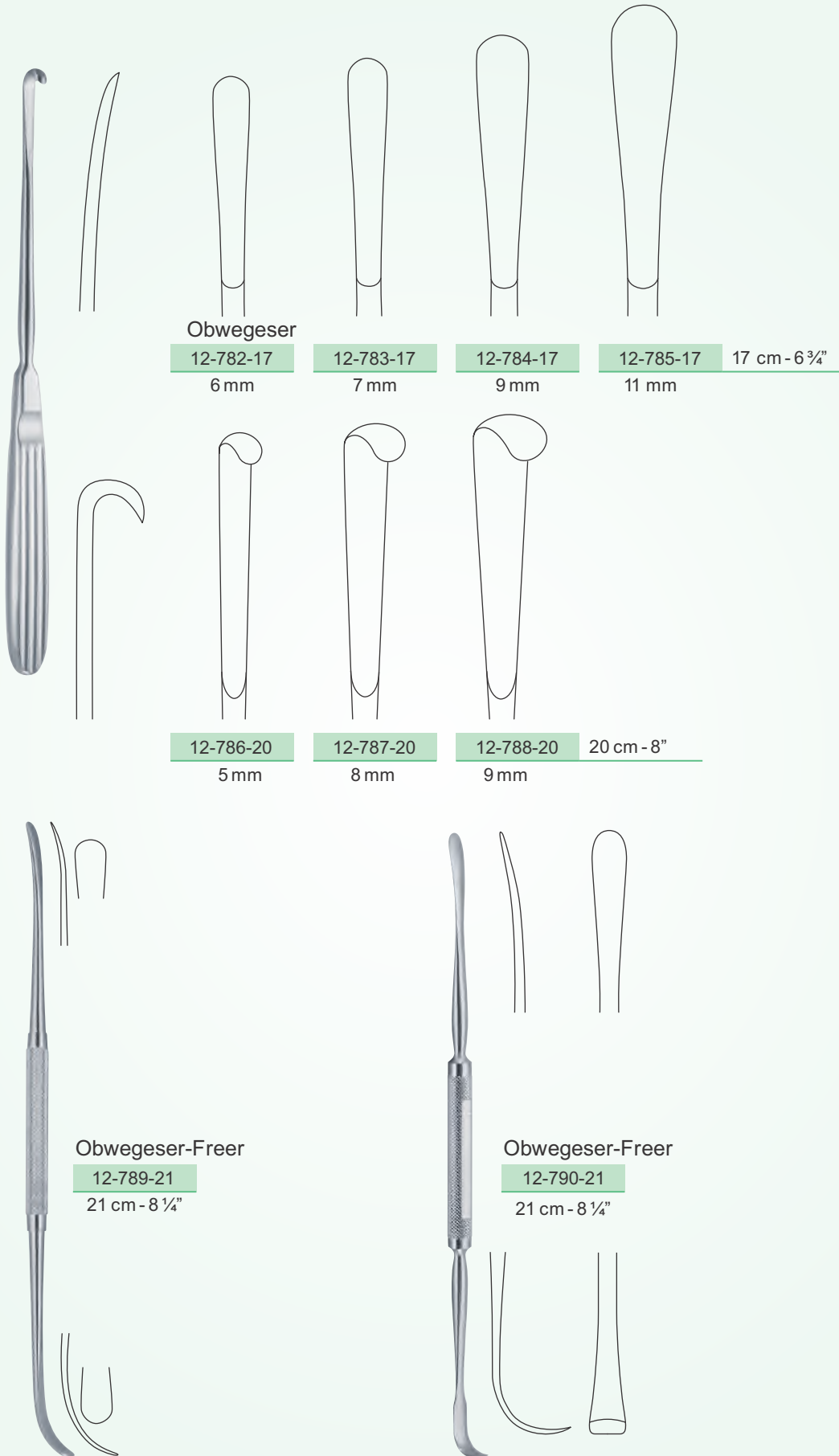


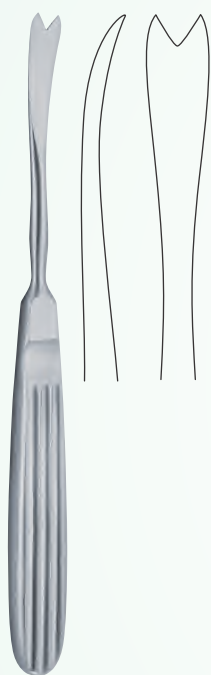
12-780-15  
Fig.0  
Fig.0



12-781-15  
Fig.1  
Fig.

15.5 cm - 6"





Obwegeser  
12-791-17  
17.5 cm - 7"



Obwegeser  
12-792-23  
23 cm - 9"



Obwegeser  
12-793-18  
18 cm - 7"



Obwegeser  
12-794-14  
14 cm - 5½"