

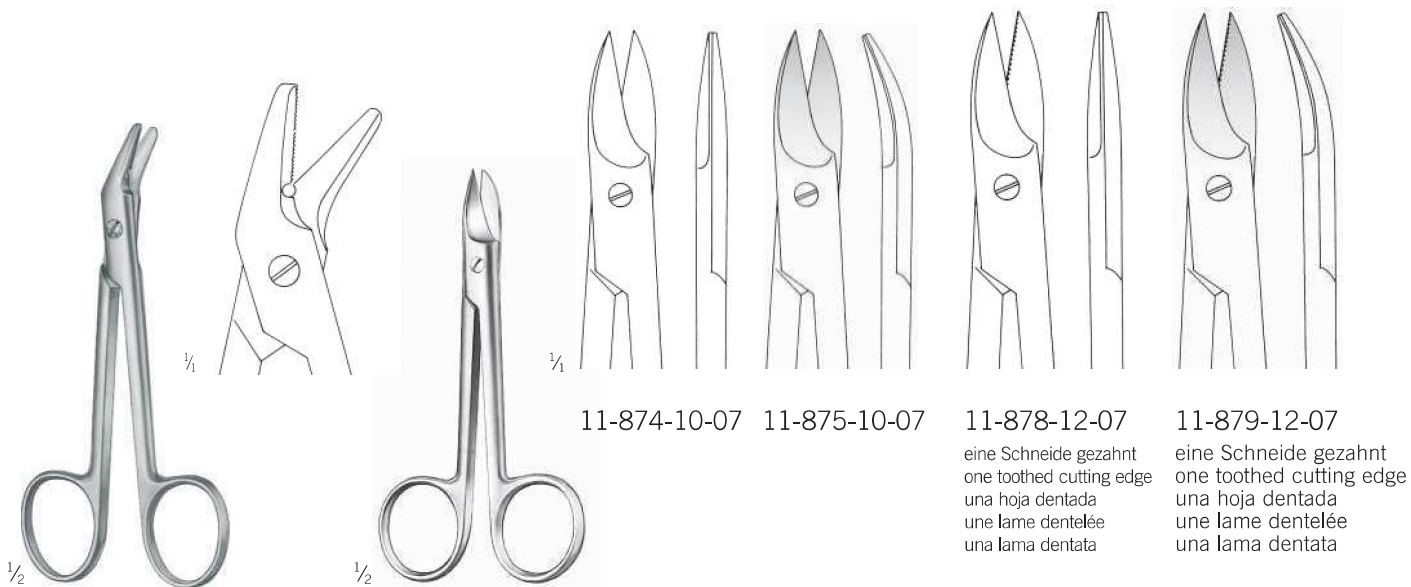
## Drahtscheren

Wire cutting scissors

Tijeras para alambre

Cisailles à fils

Forbici per filo metallico



11-874-10-07

11-875-10-07

11-878-12-07

11-879-12-07

eine Schneide gezahnt  
one toothed cutting edge  
una hoja dentada  
une lame dentelée  
una lama dentata

eine Schneide gezahnt  
one toothed cutting edge  
una hoja dentada  
une lame dentelée  
una lama dentata

Universal

11-865-12-07

12 cm / 4 5/8"

max Ø = 0,4 mm

weicher Draht, eine Schneide gezahnt  
soft wire, one toothed cutting edge  
alambre blando, una hoja dentada  
fil métallique souple, une lame dentelée  
filo morbido, una lama dentata

Beebee

11-874-10-07 – 11-879-12-07

10,5 cm / 4 1/8"

**TC GOLD**



Universal

11-995-12-07

12,5 cm / 4 7/8"

max Ø = 1,0 mm

weicher Draht, eine Schneide gezahnt  
soft wire, one toothed cutting edge  
alambre blando, una hoja dentada  
fil métallique souple, une lame dentelée  
filo morbido, una lama dentata

**TC GOLD**



Martin

11-996-16-07

16 cm / 6 1/8"

max Ø = 0,5 mm

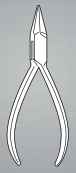
weicher Draht, eine Schneide gezahnt  
soft wire, one toothed cutting edge  
alambre blando, una hoja dentada  
fil métallique souple, une lame dentelée  
filo morbido, una lama dentata

## Drahtwirbelzangen

Wire twisting forceps  
Pinzas para torcer alambre  
Pincas à torsader le fil  
Pinze per ritorcere fili

## Technikzangen

Technic pliers  
Alicates para técnica  
Pincas pour technique  
Tenaglie per tecnica



### TC GOLD



Martin  
22-500-01-07  
15,5 cm / 5 1/8"



22-500-15-07  
15,5 cm / 5 1/8"



22-501-15-07  
15,5 cm / 5 1/8"



Martin  
22-502-18-07  
18,5 cm / 7 2/8"  
Kombi-Drahtwirbelzange  
Combi wire twisting forceps  
Combi pinza de alambre  
Combi pince à torsader le fil  
Combi pinza per ritorcere fili

## Rund-, Flachzange

Flat nose pliers

Alicates de pico plano

Pinces plates, rondes

Tenaglie piatte

### TC GOLD



22-511-01-07

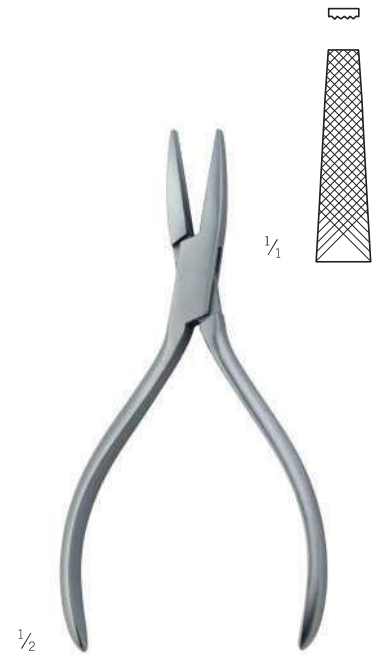
18 cm / 7 1/8"

parallel fassend  
parallel grip  
acción paralela  
action parallèle  
afferramento parallelo



22-516-18-07

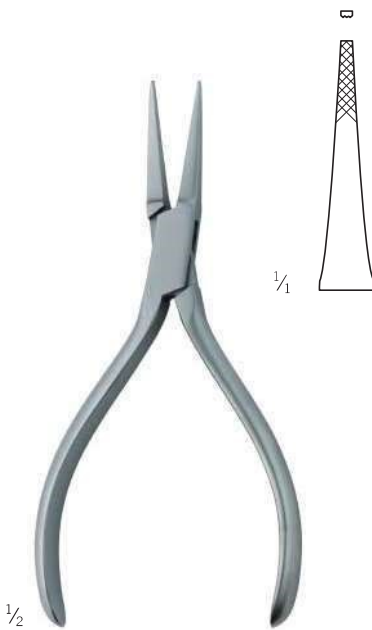
18 cm / 7 1/8"



47-505-14-07

14,5 cm / 5 9/16"

5 mm, gerieft  
5 mm, fluted  
5 mm, acanalado  
5 mm, cannelé  
5 mm, scanalato



47-518-14-07

14,5 cm / 5 9/16"

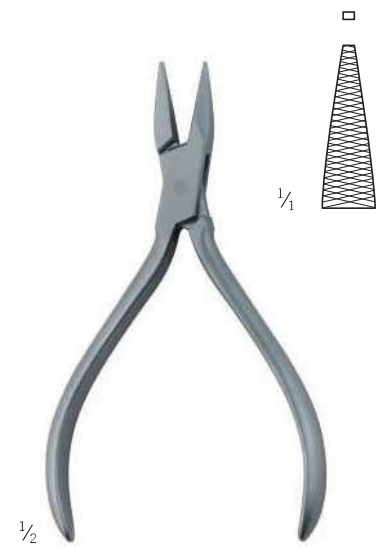
schmal, gerieft  
narrow, fluted  
estrecho, acanalado  
étroit, cannelé  
sottile, scanalato



47-521-13-07

13 cm / 5 1/8"

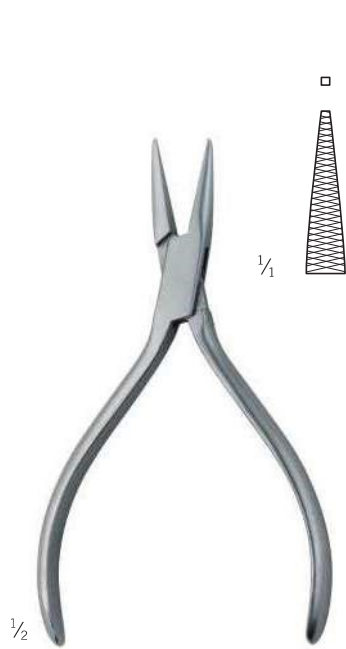
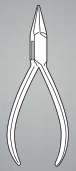
glatt  
smooth  
liso  
lisse  
liscio



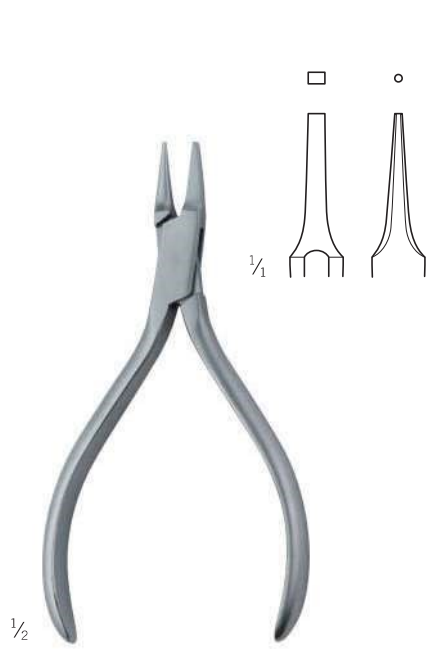
47-522-13-07

13 cm / 5 1/8"

gerieft  
fluted  
acanalado  
cannelé  
scanalato



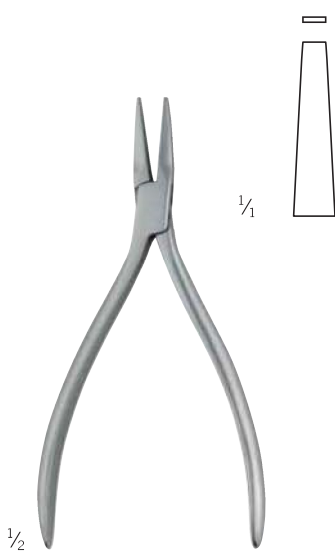
Goslee  
 47-524-14-07  
 14,5 cm / 5 7/8"  
 Konturenzange  
 Contouring pliers  
 Alicates para contornear  
 Pinces à contours  
 Tenaglie per profili



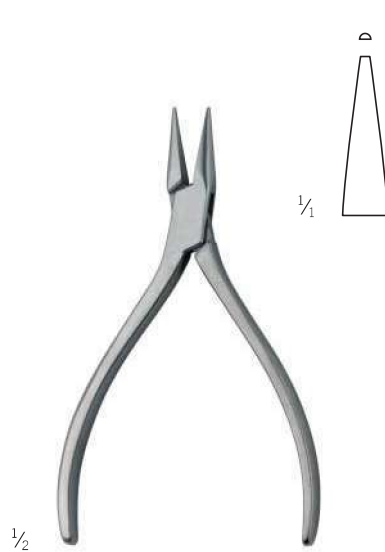
47-538-15-07  
 15 cm / 5 7/8"



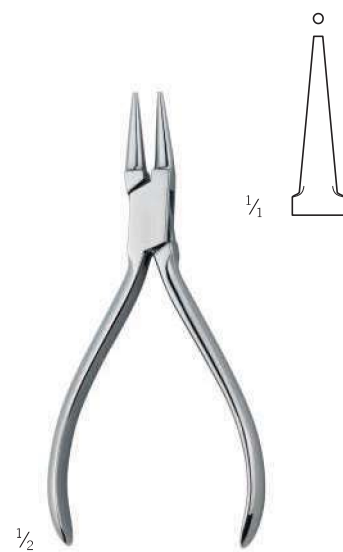
47-540-13-07  
 13 cm / 5 1/8"  
 fein  
 delicate  
 delicado  
 fin  
 fine



Dumont  
 47-554-11-07  
 11,5 cm / 4 4/8"



Dumont  
 47-555-11-07  
 11,5 cm / 4 4/8"



Dumont  
 47-556-11-07  
 11,5 cm / 4 4/8"

## Drahtkneifzangen, Seitenschneider

Wire cutting pliers

Alicates para cortar alambre, tenazas de corte lateral

Pinces à couper le fil, pinces coupantes de côté

Tenaglie tagliafilì, tenaglie tagliafilì laterali

### TC GOLD



für weiche Drähte bis  
for soft wires up to  
para alambres blandos hasta  
pour fils mous jusqu'à  
per fili molli fino a  
2,0 mm Ø

für harte Drähte bis  
for hard wires up to  
para alambres duros hasta  
pour fils durs jusqu'à  
per fili metallici duri fino a  
1,7 mm Ø

22-523-16-07

17 cm / 6 5/8"

### TC GOLD



für weiche Drähte bis  
for soft wires up to  
para alambres blandos hasta  
pour fils mous jusqu'à  
per fili molli fino a  
2,0 mm Ø

für harte Drähte bis  
for hard wires up to  
para alambres duros hasta  
pour fils durs jusqu'à  
per fili metallici duri fino a  
1,2 mm Ø

22-524-15-07

15 cm / 5 7/8"

### TC GOLD



für weiche Drähte bis  
for soft wires up to  
para alambres blandos hasta  
pour fils mous jusqu'à  
per fili molli fino a  
2,0 mm Ø

für harte Drähte bis  
for hard wires up to  
para alambres duros hasta  
pour fils durs jusqu'à  
per fili metallici duri fino a  
1,5 mm Ø

22-526-18-07

17,5 cm / 6 7/8"

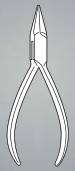
Kopf- und Seitenschneider  
Wire cutting plier  
Alicate para cortar alambre  
Pince pour couper le fil  
Tenaglia tagliafilì

## Zwickzangen, Bügelbiegezangen

End and side nippers, bar bending pliers  
Alicates cortantes y alicates para doblar alambres  
Pincers, pincers à courber les branches  
Tenaglie, tenaglie per la piegatura di staffe

## Technikzangen

Technic pliers  
Alicates para técnica  
Pincers pour technique  
Tenaglie per tecnica

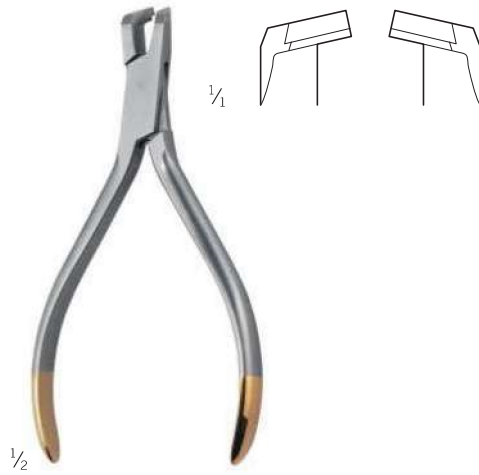


### TC GOLD



47-572-11-07  
11 cm / 4 3/8"

### TC GOLD



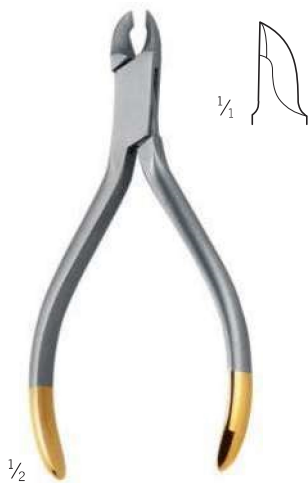
47-580-01-07  
12 cm / 4 5/8"  
Distalschneider  
Distal cutter  
Alicate para cortar alambres  
Pince coupeur distale  
Pinza per tagliare filo

### TC GOLD



47-582-11-07  
11,5 cm / 4 1/2"  
Drahtschneidezange  
Wire cutter, front action  
Alicate para cortar alambres  
Pince coupante  
Pinza per tagliare filo

### TC GOLD



47-582-13-07  
13 cm / 5 1/8"  
Drahtschneidezange  
Wire cutter, front action  
Alicate para cortar alambres  
Pince coupante  
Pinza per tagliare filo



Weingart  
47-583-01-07  
12,5 cm / 4 7/8"  
Zahntechnikzange  
Pliers for dental technic  
Pinza de técnica  
Pince pour technique  
Pinza per tecnica

### 47-584-90-98

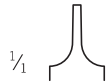
Tefloneinsatz allein  
Teflon insert only  
Injerto de téflon sólo  
Insert en téflon seul  
Inserto in teflon solo



Aderer  
47-584-01-07  
14 cm / 5 4/8"  
Bandentfernungszange  
Band removing pliers  
Alicate para sacar bandas  
Pince à bagues  
Pinza per levare bande

## Zwickzangen, Bügelbiegezangen

End and side nippers, bar bending pliers  
Alicates cortantes y alicates para doblar alambres  
Pincers, pincers à courber les branches  
Tenaglie, tenaglie per la piegatura di staffe

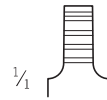


1/2

Tweed  
47-585-03-07

12,5 cm / 4 7/8"

Drahtbiegezange  
Wire bending pliers  
Pinza de técnica  
Pince pour technique  
Pinza tecnica per filo



1/2

47-586-01-07

12 cm / 4 5/8"

Bügelbiegezange  
Clasps bending pliers  
Alicate para barras  
Pince à courber des crochets  
Pinza tecnica per piegare forma arco

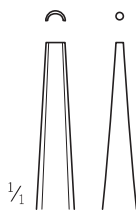


Fig. 1

1/2

Schwarz  
47-604-13-07

13 cm / 5 1/8"



Fig. 2

1/2

Schwarz  
47-606-13-07

13 cm / 5 1/8"

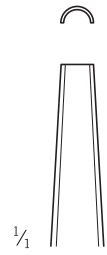


Fig. 3

1/2

Schwarz  
47-608-13-07

13 cm / 5 1/8"



## Draht-, Bogen- und Klammernbiegeezangen

Wire, arch and clasp bending pliers

Alicates para doblar alambres, arcos y ganchos

Pinces à courber les fils, les branches et les agrafes

Tenaglie per la piegatura di fili metallici, staffe e graffe

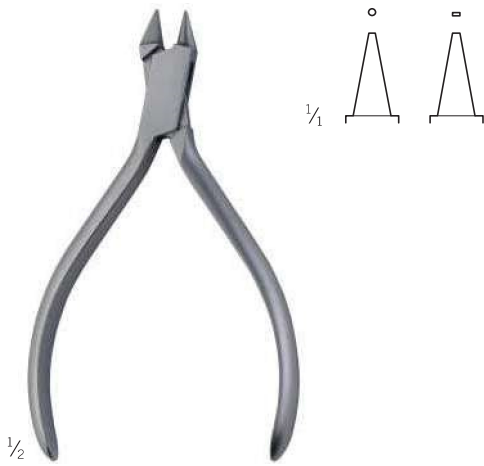
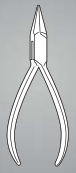
## Technikzangen

Technic pliers

Alicates para técnica

Pinces pour technique

Tenaglie per tecnica



Angle  
47-650-12-07  
12 cm / 4 9/16"



Adams  
47-654-13-07  
13 cm / 5 1/8"



Young  
47-660-13-07  
13 cm / 5 1/8"



Aderer  
47-672-11-07  
11,5 cm / 4 4/8"



Aderer  
47-674-13-07  
13 cm / 5 1/8"



## Universal-Kramponzange, Brückenabnehmezangen

Universal pliers, bridge removing pliers

Alicates universales, alicates para puentes

Pinces universelles, pinces d'extraction de bridge

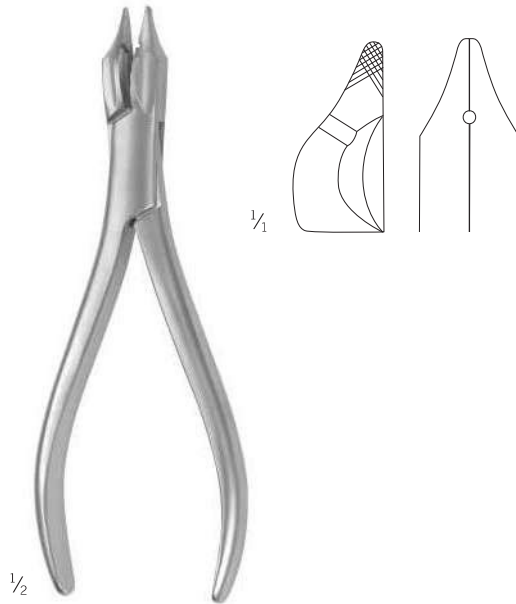
Tenaglie universali, tenaglie per la rimozione di ponticelli



Waldsachs-Universal  
47-690-15-07

15,5 cm / 5 1/8"

Universal-Kramponzange  
Universal pliers  
Alicates universales  
Pinces universelles  
Tenaglie universali



Universal  
47-694-15-07

15,5 cm / 5 1/8"

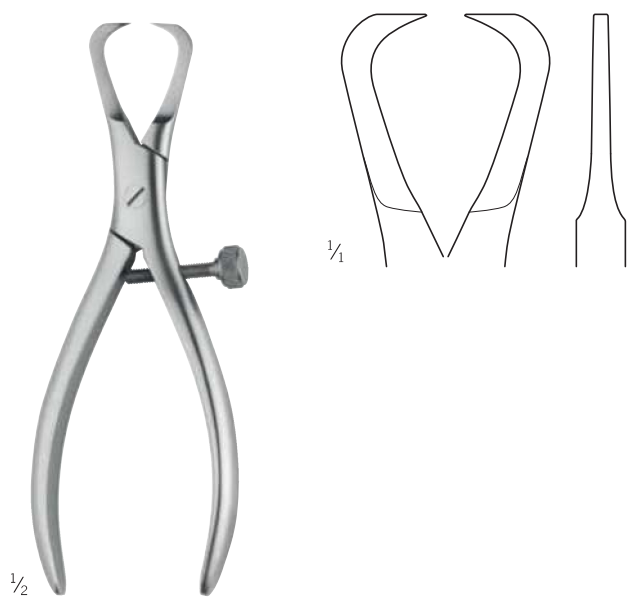
Universal-Kramponzange  
Universal pliers  
Alicates universales  
Pinces universelles  
Tenaglie universali



Universal  
47-697-15-07

15,5 cm / 5 1/8"

Universal-Kramponzange  
Universal pliers  
Alicates universales  
Pinces universelles  
Tenaglie universali



Furrer  
47-702-15-07

15,5 cm / 5 1/8"

Brückenabnehmezangen  
Bridge removing pliers  
Alicates para puentes  
Pinces d'extraction de bridge  
Tenaglie per la rimozione di ponticelli

## Kronenzangen, Konturzangen

Crown pliers, contouring pliers

Alicates para coronas y para contornear

Pinces à couronne, pinces des contours

Tenaglie per corone, tenaglie per profili

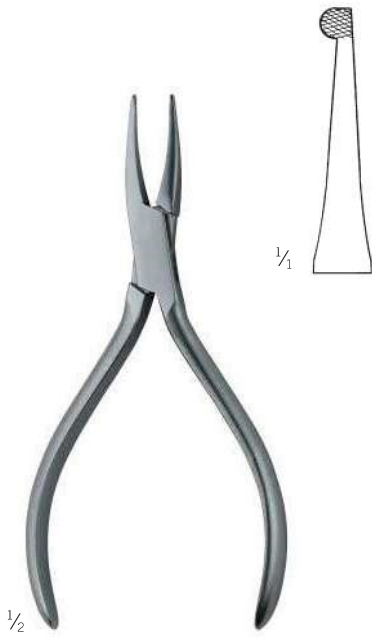
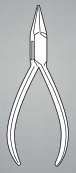
## Technikzangen

Technic pliers

Alicates para técnica

Pinces pour technique

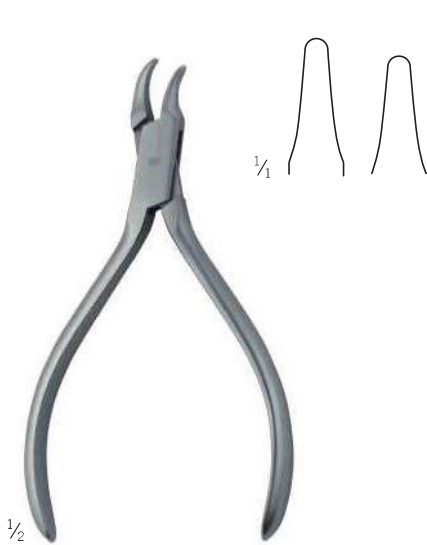
Tenaglie per tecnica



How  
47-750-14-07  
14 cm / 5 4/8"



How  
47-751-14-07  
14 cm / 5 4/8"



Reynolds  
47-783-12-07  
13 cm / 5 1/8"



Johnson  
47-788-13-07  
13 cm / 5 1/8"



Abell  
47-794-13-07  
13 cm / 5 1/8"

## Hämmer

Hammers/mallets

Martillos

Marteaux

Martelli



1/2

47-102-21-07

21 cm / 8 2/8"

Niethammer mit breiter Pinne  
Riveting hammer wide edge  
Martillo para remachar con peña ancha  
Marteau à rivets avec large panne  
Martello per ribadire a bordo largo



1/2

47-114-21-04

21 cm / 8 2/8"

Hornhammer  
Horn mallet  
Martillo córneo  
Marteau à corne  
Martello a corno



1/2

47-120-27-04

27 cm / 10 2/8"

Durofol-Hammer aus Kunststoff  
Durofol plastic mallet  
Martillo de Durofol de plástico  
Marteau Durofol en plastique  
Martello Durofol in plastica