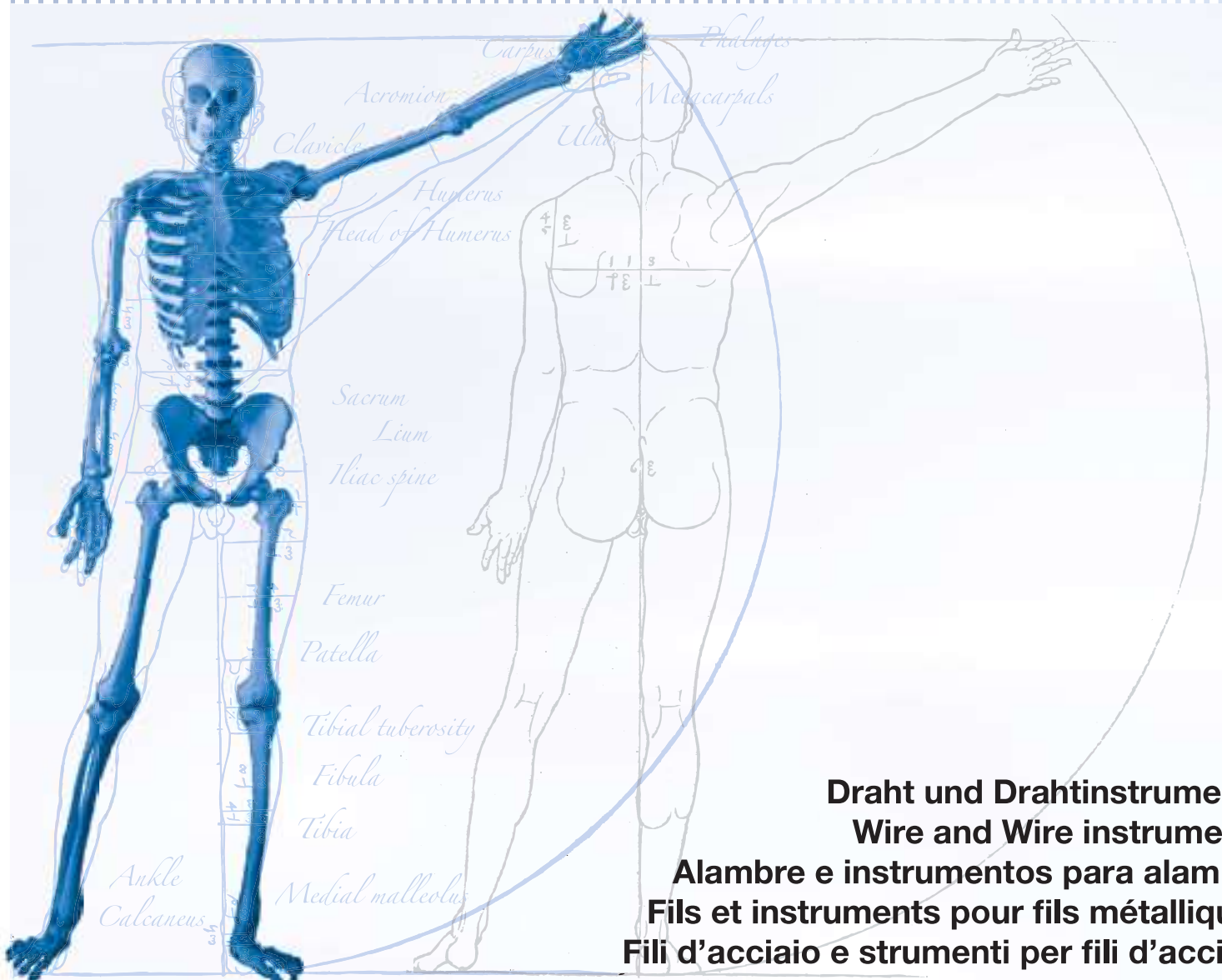


ORTHOPAEDICS

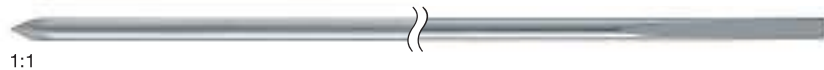
IMPLANTS AND INSTRUMENTS



Draht und Drahtinstrumente
Wire and Wire instruments
Alambre e instrumentos para alambre
Fils et instruments pour fils métalliques
Fili d'acciaio e strumenti per fili d'acciaio



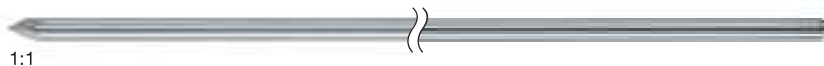
KIRSCHNER Bohrdrähte
KIRSCHNER Wires
KIRSCHNER Brocas
KIRSCHNER Broches
KIRSCHNER Fili perforatori



1:1



	6 cm – 2"	10 cm – 4"	12 cm – 4¾"	15 cm – 6"	23 cm – 9"	31 cm – 12½"
Ø 0,8 mm	76.06.08	76.07.08	76.08.10	76.10.08	76.11.08	76.12.08
Ø 0,9 mm	76.06.09	76.07.09	76.08.11	76.10.09	76.11.09	76.12.09
Ø 1,0 mm	76.06.10	76.07.10	76.08.12	76.10.10	76.11.10	76.12.10
Ø 1,1 mm	76.06.11	76.07.11	76.08.13	76.10.11	76.11.11	76.12.11
Ø 1,2 mm	76.06.12	76.07.12	76.08.14	76.10.12	76.11.12	76.12.12
Ø 1,3 mm	76.06.13	76.07.13	76.08.15	76.10.13	76.11.13	76.12.13
Ø 1,4 mm	76.06.14	76.07.14	76.08.16	76.10.14	76.11.14	76.12.14
Ø 1,5 mm	76.06.15	76.07.15	76.08.17	76.10.15	76.11.15	76.12.15
Ø 1,6 mm	76.06.16	76.07.16	76.08.18	76.10.16	76.11.16	76.12.16
Ø 1,7 mm	76.06.17	76.07.17	76.08.19	76.10.17	76.11.17	76.12.17
Ø 1,8 mm	76.06.18	76.07.18	76.08.20	76.10.18	76.11.18	76.12.18
Ø 1,9 mm	76.06.19	76.07.19	76.08.21	76.10.19	76.11.19	76.12.19
Ø 2,0 mm	76.06.20	76.07.20	76.08.22	76.10.20	76.11.20	76.12.20
Ø 2,2 mm	76.06.22	76.07.22	76.08.23	76.10.22	76.11.22	76.12.22
Ø 2,4 mm						76.12.24
Ø 2,5 mm	76.06.25	76.07.25	76.08.24	76.10.25	76.11.25	76.12.25
Ø 3,0 mm					76.11.30	76.12.30



1:1



	6 cm – 2¾"	10 cm – 4"	12 cm – 4¾"	15 cm – 6"	23 cm – 9"	31 cm – 12½"
Ø 0,8 mm	76.06.58	76.07.58	76.08.30	76.10.58	76.11.58	76.12.58
Ø 0,9 mm	76.06.59	76.07.59	76.08.31	76.10.59	76.11.59	76.12.59
Ø 1,0 mm	76.06.40	76.07.60	76.08.32	76.10.60	76.11.60	76.12.60
Ø 1,1 mm	76.06.61	76.07.61	76.08.33	76.10.61		
Ø 1,2 mm	76.06.62	76.07.62	76.08.34	76.10.62	76.11.62	76.12.62
Ø 1,3 mm	76.06.63	76.07.63	76.08.35	76.10.63		
Ø 1,4 mm	76.06.64	76.07.64	76.08.36	76.10.64	76.11.64	76.12.64
Ø 1,5 mm	76.06.65	76.07.65	76.08.37	76.10.65	76.11.65	76.12.65
Ø 1,6 mm	76.06.66	76.07.66	76.08.38	76.10.66	76.11.66	76.12.66
Ø 1,7 mm	76.06.67	76.07.67	76.08.39	76.10.67	76.11.67	76.12.67
Ø 1,8 mm	76.06.68	76.07.68	76.08.40	76.10.68	76.11.68	76.12.68
Ø 1,9 mm	76.06.69	76.07.69	76.08.41	76.10.69		
Ø 2,0 mm	76.06.70	76.07.70	76.08.42	76.10.70	76.11.70	76.12.70
Ø 2,2 mm	76.06.72	76.07.72	76.08.43	76.10.72	76.11.72	76.12.72
Ø 2,5 mm	76.06.75	76.07.75	76.08.44	76.10.75	76.11.75	76.12.75
Ø 3,0 mm					76.11.80	76.12.80



Verpackungseinheit "X" Stück
 Packing unit "X" pieces
 Paquete de "X" unidades
 Emballage de "X" pièces
 Confezione da "X" pezzi



Trocarspitze
 Trocar point
 Punta de trocar
 Pointe trocart
 Punta a trequarti



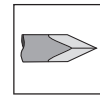
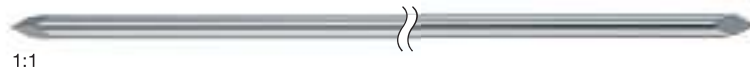
Flaches Schaftende
 Flat shaft end
 Extremo del vástago plano
 Bout de tige plat
 Estremità piatta



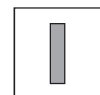
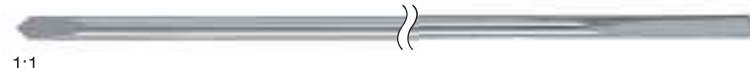
Rundes Schaftende
 Round end
 Extremo del vástago redondo
 Bout de tige rond
 Estremità tonda



KIRSCHNER Bohrdrähte
KIRSCHNER Wires
KIRSCHNER Brocas
KIRSCHNER Broches
KIRSCHNER Fili perforatori





	6 cm – 2 ³ / ₈ "	10 cm – 4"	12 cm – 4 ³ / ₄ "	15 cm – 6"	31cm – 12 ¹ / ₈ "
Ø 0,8 mm	76.06.78	76.07.78	76.08.50	76.10.78	76.13.08
Ø 0,9 mm	76.06.79	76.07.79	76.08.51	76.10.79	
Ø 1,0 mm	76.06.80	76.07.80	76.08.52	76.10.80	76.13.10
Ø 1,1 mm	76.06.81	76.07.81	76.08.53	76.10.81	
Ø 1,2 mm	76.06.82	76.07.82	76.08.54	76.10.82	76.13.12
Ø 1,3 mm	76.06.83	76.07.83	76.08.55	76.10.83	
Ø 1,4 mm	76.06.84	76.07.84	76.08.56	76.10.84	76.13.14
Ø 1,5 mm	76.06.85	76.07.85	76.08.57	76.10.85	76.13.15
Ø 1,6 mm	76.06.86	76.07.86	76.08.58	76.10.86	76.13.16
Ø 1,7 mm	76.06.87	76.07.87	76.08.59	76.10.87	
Ø 1,8 mm	76.06.88	76.07.88	76.08.60	76.10.88	76.13.18
Ø 1,9 mm	76.06.89	76.07.89	76.08.61	76.10.89	
Ø 2,0 mm	76.06.90	76.07.90	76.08.62	76.10.90	76.13.20
Ø 2,2 mm	76.06.92	76.07.92	76.08.63	76.10.92	76.13.22
Ø 2,5 mm	76.06.95	76.07.95	76.08.64	76.10.95	76.13.25
Ø 3,0 mm				76.11.00	76.13.30



	31cm – 12 ¹ / ₈ "
Ø 0,8 mm	76.15.08
Ø 1,0 mm	76.15.10
Ø 1,2 mm	76.15.12
Ø 1,4 mm	76.15.14
Ø 1,5 mm	76.15.15
Ø 1,6 mm	76.15.16
Ø 1,7 mm	76.15.17
Ø 1,8 mm	76.15.18
Ø 1,9 mm	76.15.19
Ø 2,0 mm	76.15.20
Ø 2,2 mm	76.15.22
Ø 2,5 mm	76.15.25
Ø 3,0 mm	76.15.30

P_x Verpackungseinheit "X" Stück
 Packing unit "X" pieces
 Paquete de "X" unidades
 Emballage de "X" pièces
 Confezione da "X" pezzi

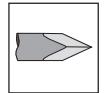
 Trokarspitze
 Trocar point
 Punta de trocar
 Pointe trocar
 Punta a trequarti

 Lanzenspitze
 Lancet point
 Punta lanceolar
 Pointe lancéolée
 Punta a forma di lancetta

 Flaches Schaftende
 Flat shaft end
 Extremo del vástago plano
 Bout de tige plat
 Estremità piatta

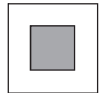


STEINMANN Nägel
STEINMANN Nails
STEINMANN Clavos
STEINMANN Clous
STEINMANN Chiodi



1:1

	14 cm – 5½"	16 cm – 6¼"	18 cm – 7⅛"	20 cm – 8"	23 cm – 9"	26 cm – 10¼"
Ø 2,0 mm			76.21.20		76.21.70	
Ø 2,5 mm			76.21.25		76.21.75	
Ø 3,0 mm			76.21.30		76.21.80	
Ø 3,5 mm	76.17.00	76.17.09	76.21.35	76.17.18	76.21.85	76.17.27
Ø 4,0 mm	76.17.01	76.17.10	76.21.40	76.17.19	76.21.90	76.17.28
Ø 4,5 mm	76.17.02	76.17.11	76.21.45	76.17.20	76.21.95	76.17.29
Ø 5,0 mm	76.17.03	76.17.12	76.21.50	76.17.21	76.22.00	76.17.30



1:1

	14 cm 5½"	15 cm 6"	16 cm 6¼"	18 cm 7⅛"	20 cm 8"	21 cm 8¼"	23 cm 9"	26 cm 10¼"
Ø 2,0 mm				76.22.20			76.22.70	
Ø 2,5 mm				76.22.25			76.22.75	
Ø 3,0 mm				76.22.30			76.22.80	
Ø 3,5 mm	76.17.51		76.17.60	76.22.35	76.17.69		76.22.85	76.17.78
Ø 4,0 mm	76.17.52	76.44.15	76.44.16	76.22.40	76.44.20	76.44.21	76.22.90	76.17.79
Ø 4,5 mm	76.17.53		76.17.62	76.22.45	76.17.71		76.22.95	76.17.80
Ø 5,0 mm	76.17.54		76.17.63	76.22.50	76.17.72		76.23.00	76.17.81



Trokarspitze
Trocar point
Punta de trocar
Pointe trocar
Punta a tre quarti



Vierkant-Schaftende
Square shaft end
Extremo de vástago cuadrado
Bout de tige quatre-pans
Estremità quadrangolare

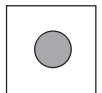


STEINMANN Nägel
STEINMANN Nails
STEINMANN Clavos
STEINMANN Clous
STEINMANN Chiodi



1:1

	14 cm – 5½"	16 cm – 6¼"	18 cm – 7⅛"	20 cm – 8"	23 cm – 9"	26 cm – 10¼"
Ø 2,0 mm			76.23.20		76.23.70	
Ø 2,5 mm			76.23.25		76.23.75	
Ø 3,0 mm			76.23.30		76.23.80	
Ø 3,5 mm	76.18.01	76.18.10	76.23.35	76.18.19	76.23.85	76.18.28
Ø 4,0 mm	76.18.02	76.18.11	76.23.40	76.18.20	76.23.90	76.18.29
Ø 4,5 mm	76.18.03	76.18.12	76.23.45	76.18.21	76.23.95	76.18.30
Ø 5,0 mm	76.18.04	76.18.13	76.23.50	76.18.22	76.24.00	76.18.31



1:1

	14 cm – 5½"	16 cm – 6¼"	18 cm – 7⅛"	20 cm – 8"	23 cm – 9"	26 cm – 10¼"
Ø 3,5 mm	76.18.51	76.18.60	76.18.69	76.18.78	76.18.87	76.18.96
Ø 4,0 mm	76.18.52	76.18.61	76.18.70	76.18.79	76.18.88	76.18.97
Ø 4,5 mm	76.18.53	76.18.62	76.18.71	76.18.80	76.18.89	76.18.98
Ø 5,0 mm	76.18.54	76.18.63	76.18.72	76.18.81	76.18.90	76.18.99



Trokarspitze
 Trocar point
 Punta de trocar
 Pointe trocar
 Punta a trequarti



Dreikant-Schaftende
 Triangular shaft end
 Extremo del vástago triangular
 Bout de tige triangulaire
 Estremità triangolare



Rundes Schaftende
 Round end
 Extremo del vástago redondo
 Bout de tige rond
 Estremità tonda



STEINMANN Nägel / SCHANZ Schrauben / Bohrdrabtbehälter
STEINMANN Nails / SCHANZ Screws / Wire Containers
STEINMANN Clavos / SCHANZ Tornillos / Contenedores para brocas
STEINMANN Clous / SCHANZ Vis / Tubes pour broches
STEINMANN Chiodi / SCHANZ Viti / Contenitori per fili



1:1

**Steinmann**

Mittelgewinde
Center thread
Rosca central
Filetage central
Filettatura centrale

	Ø 4,5 mm	Ø 5,0 mm
15 cm – 6"	76.19.50	76.19.51
18 cm – 7 1/8"	76.19.57	76.19.58
20 cm – 8"	76.19.64	76.19.65



Gewinde-Ø ist 0,5 mm größer als Nagel-Ø
Thread Ø is 0,5 mm larger than nail Ø
Ø rosca es 0,5 mm más grande que el Ø del clavo
Ø du filetage est de 0,5 mm plus grand que Ø du clou
Il Ø della filettatura è 0,5 mm più grande del Ø del chiodo

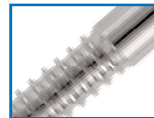


1:1

**Schanz**

Gewinde
Thread
Rosca
Filetage
Filettatura

	Ø 5,0 mm
8 cm – 3 1/8"	76.20.00
12 cm – 4 3/4"	76.20.01
15 cm – 6"	76.20.02
17 cm – 6 3/4"	76.20.03
20 cm – 8"	76.20.04
25 cm – 10"	76.20.05



Gewinde-Ø ist 0,5 mm kleiner als Nagel-Ø
Thread Ø is 0,5 mm smaller than nail Ø
Ø rosca es 0,5 mm más pequeño que el Ø del clavo
Ø du filetage est de 0,5 mm inférieur que Ø du clou
Il Ø della filettatura è 0,5 mm inferiore a Ø del chiodo

Ø 12 mm

**Kirschner**

76.16.03	76.16.04	76.16.05
16 cm – 6 1/4"	19 cm – 7 1/2"	32 cm – 12 1/2"

15 cm

18 cm

31 cm

für Bohrdrähte bis:
for wires up to:
para brocas hasta:
pour broches jusqu'à:
per fili fino a:



Lieferung ohne Bohrdrähte
Supplied without wires
Sumministrado sin brocas
Livraison sans broches
Fornitura senza fili

rostfreier 18/8 Stahl
18/8 stainless steel
acero inoxidable 18/8
acier inoxydable 18/8
acciaio inossidabile 18/8



Trokarspitze
Trocar point
Punta de trocar
Pointe trocart
Punta a requarti

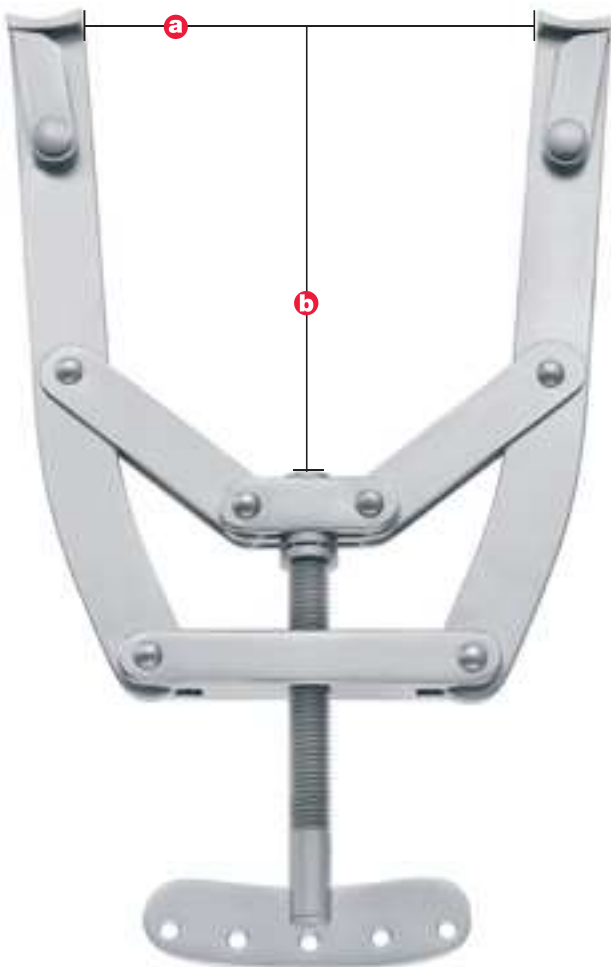


Dreikant-Schaftende
Triangular shaft end
Extremo del vástago triangular
Bout de tige triangulaire
Estremità triangolare



**Extensionsbügel
Traction Bows
Estribos de extensión
Étriers à extension
Staffe per trazione**

Für Drähte bis max. Ø 2 mm
For wires of max. Ø 2 mm
Para alambres de max. Ø 2 mm
Pour fils à max. Ø 2 mm
Per fili da max. Ø 2 mm



**Kirschner
Mod. USA**

komplett mit 3 Zughaken
complete with 3 traction hooks
completo con 3 ganchos de tracción
complet avec 3 crochets de traction
completa di 3 ganci di trazione

76.40.01

a = 4,5 – 13 cm - 1¾" – 5½"

b = 1,5 – 10 cm - ½" – 4"

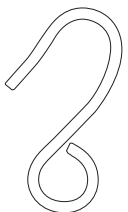
kleines Modell
small pattern
modelo pequeño
petit modèle
modello piccolo

76.40.03

a = 0 – 16 cm - 0" – 6¼"

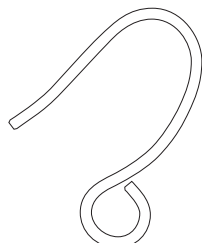
b = 9 – 13 cm - 3½" – 5⅛"

großes Modell
large pattern
modelo grande
grand modèle
modello grande



76.41.41

Zughaken allein, klein
Traction hook only, small
Gancho de tracción sólo, pequeño
Crochet de traction seul, petit
Gancio di trazione solo, piccolo



76.41.42

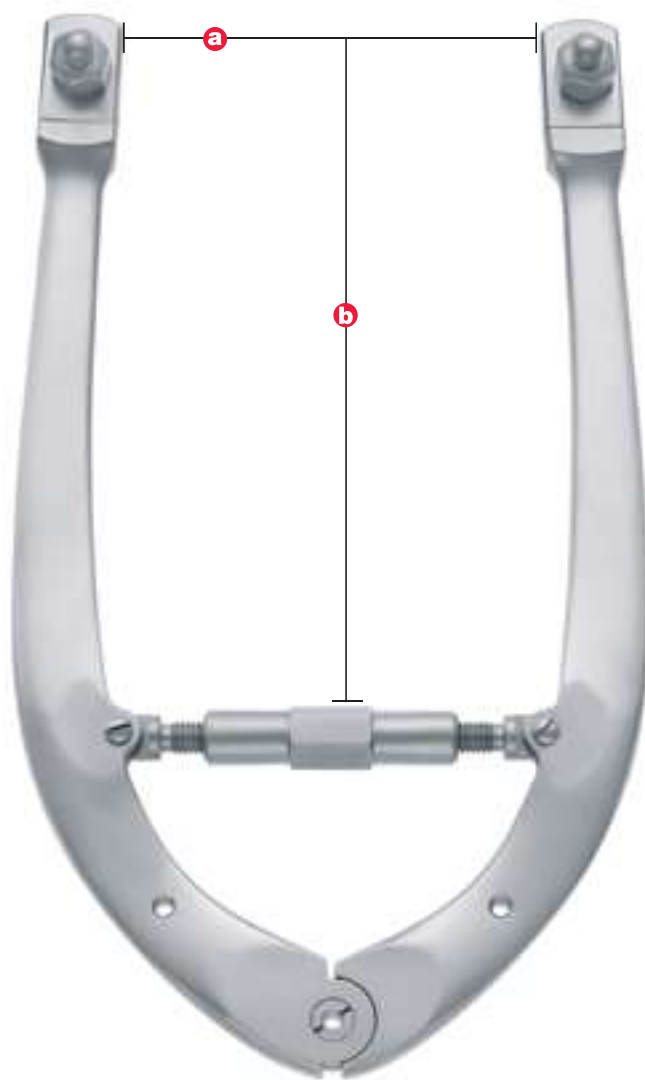
Zughaken allein, groß
Traction hook only, large
Gancho de tracción sólo, grande
Crochet de traction seul, grand
Gancio di trazione solo, grande

für KIRSCHNER Extensionsbügel
for KIRSCHNER traction bows
para KIRSCHNER estribos de extensión
pour de KIRSCHNER étriers à extension
per KIRSCHNER staffe per trazione



Extensionsbügel
Traction Bows
Estribos de extensión
Etriers à extension
Staffe per trazione

Für Drähte bis max. Ø 3 mm
For wires of max. Ø 3 mm
Para alambres de max. Ø 3 mm
Pour fils à max. Ø 3 mm
Per fili da max. Ø 3 mm

**Kirschner**

komplett mit 3 Zughaken
complete with 3 traction hooks
completo con 3 ganchos de tracción
complet avec 3 crochets de traction
completo di 3 ganci di trazione

76.40.21

a = 4,5 – 13 cm - 1¾" – 5⅛"

b = 10 cm - 4"

kleines Modell
small pattern
modelo pequeño
petit modèle
modello piccolo

76.40.23

a = 7 – 19 cm - 2¾" – 7½"

b = 16 cm - 6¼"

großes Modell
large pattern
modelo grande
grand modèle
modello grande



15 cm – 6"

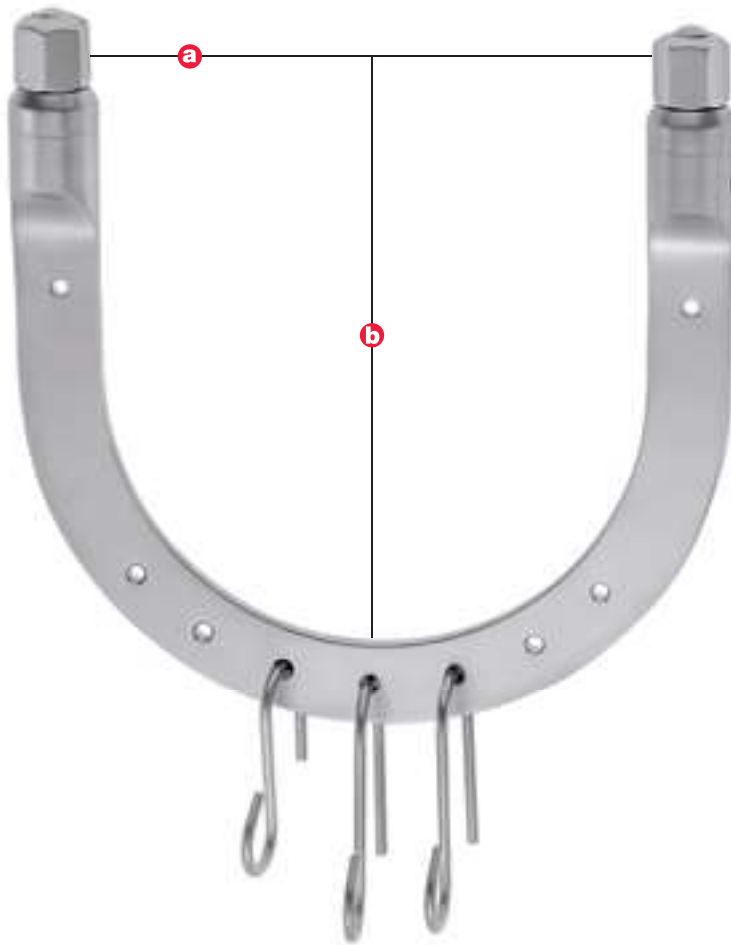
76.40.25

Schraubenschlüssel
Wrench
Llave
Clé
Chiave



Extensionsbügel
Traction Bows
Estribos de extensión
Etriers à extension
Staffe per trazione

Für Drähte bis max. Ø 2 mm
 For wires of max. Ø 2 mm
 Para alambres de max. Ø 2 mm
 Pour fils à max. Ø 2 mm
 Per fili da max. Ø 2 mm



Kirschner

komplett mit 3 Zughaken
 complete with 3 traction hooks
 completo con 3 ganchos de tracción
 complet avec 3 crochets de traction
 completo di 3 ganci di trazione

76.41.01	für Hüfte for hip para cadera pour hanche per anca
a = 20,0 cm – 8"	
b = 15,5 cm – 6 1/8"	

76.41.02	für Oberschenkel for femur para fémur pour fémur per femore
a = 15,5 cm – 6 1/8"	
b = 15,5 cm – 6 1/8"	

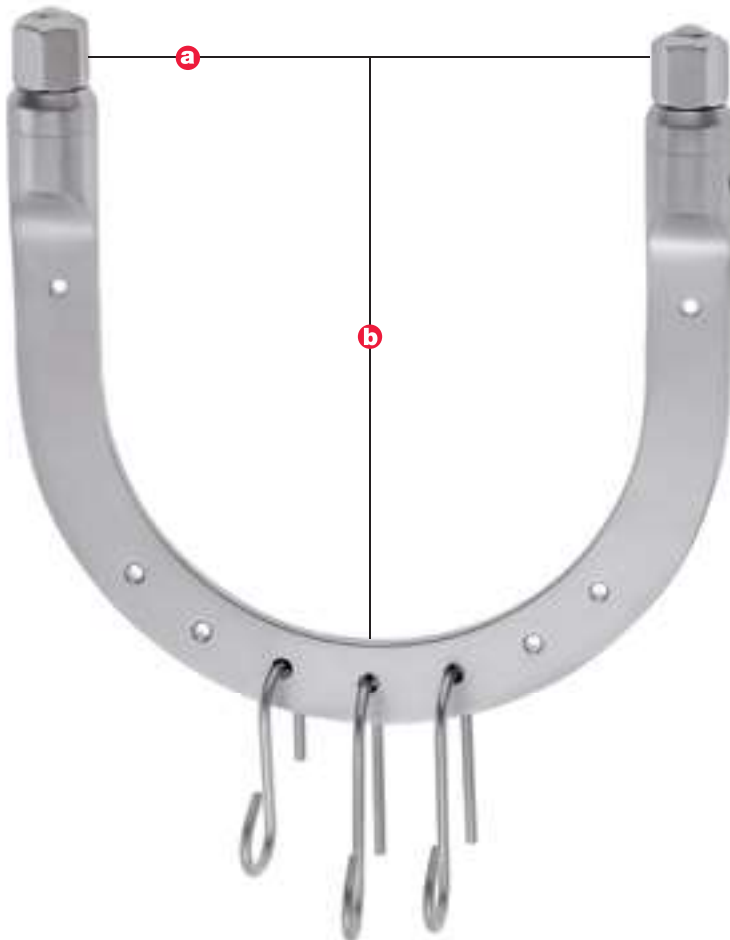
76.41.03	für Knie for knee para rodilla pour genou per ginocchio
a = 13,5 cm – 5 3/8"	
b = 13,0 cm – 5 1/8"	

76.41.04	für Knie for knee para rodilla pour genou per ginocchio
a = 12,0 cm – 4 3/4"	
b = 12,0 cm – 4 3/4"	



Extensionsbügel
Traction Bows
Estribos de extensión
Etriers à extension
Staffe per trazione

Für Drähte bis max. Ø 2 mm
 For wires of max. Ø 2 mm
 Para alambres de max. Ø 2 mm
 Pour fils à max. Ø 2 mm
 Per fili da max. Ø 2 mm

**Kirschner**

komplett mit 3 Zughaken
 complete with 3 traction hooks
 completo con 3 ganchos de tracción
 complet avec 3 crochets de traction
 completa di 3 ganci di trazione

76.41.05

für Fersenbein
 for heel
 para calcáneo
 pour calcanéum
 per calcagno

a = 9,5 cm – 3³/₄"

b = 11,0 cm – 4³/₈"

76.41.06

für Arm
 for arm
 para brazo
 pour bras
 per braccio

a = 9,5 cm – 3³/₄"

b = 7,0 cm – 2³/₄"

76.41.07

für Ellenbogen
 for elbow
 para codo
 pour coude
 per gomito

a = 6,0 cm – 2³/₈"

b = 5,0 cm – 2"

76.41.50

Fixierscheiben für Bohrdrähte mit Stellschraube, Paar
 Fixation discs for wires with setscrew, pair
 Discos de fijación para brocas filiformes con tornillo de ajuste, par
 Disques de fixation pour broches avec vis de serrage, paire
 Dischi di fissaggio per perforatori filiformi con vite di chiusura, paio

76.41.55

Fixierscheiben mit Schlitz und Stellschraube, Paar
 Fixation discs with slit and setscrew, pair
 Discos de fijación con hendidura y tornillo de ajuste, par
 Disques de fixation avec fente et vis de serrage, paire
 Dischi di fissaggio con fessura e vite di chiusura, paio



Extensionsbügel
Traction Bows
Estribos de extensión
Etriers à extension
Staffe per trazione

Spannschlüssel zum Spannen des Bohrdrachtes, passend für KIRSCHNER Extensionsbügel Nr. 76.41.01 – 76.41.07
 Wrench for tightening the wire, fits KIRSCHNER traction bows No. 76.41.01 – 76.41.07
 Llave para tensar las brocas filiformes, apropiada para estribos de extensión KIRSCHNER No. 76.41.01 – 76.41.07
 Clé pour tendre la broche, pour étriers KIRSCHNER No. 76.41.01 – 76.41.07
 Chiave tenditrice per perforatori filiformi, adatta alle staffe di trazione di KIRSCHNER No. 76.41.01 – 76.41.07



76.41.20

Schraubenschlüssel für die Spannmutter der KIRSCHNER Extensionsbügel Nr. 76.41.01 – 76.41.07
 Wrench for adjusting KIRSCHNER traction bow nuts, No. 76.41.01 – 76.41.07
 Atornillador para las tuercas tensoras de los estribos de extensión de KIRSCHNER No. 76.41.01 – 76.41.07
 Clé pour les écrous-tendeurs des étriers KIRSCHNER No. 76.41.01 – 76.41.07
 Chiave per i dadi delle staffe di trazione di KIRSCHNER No. 76.41.01 – 76.41.07



76.41.23

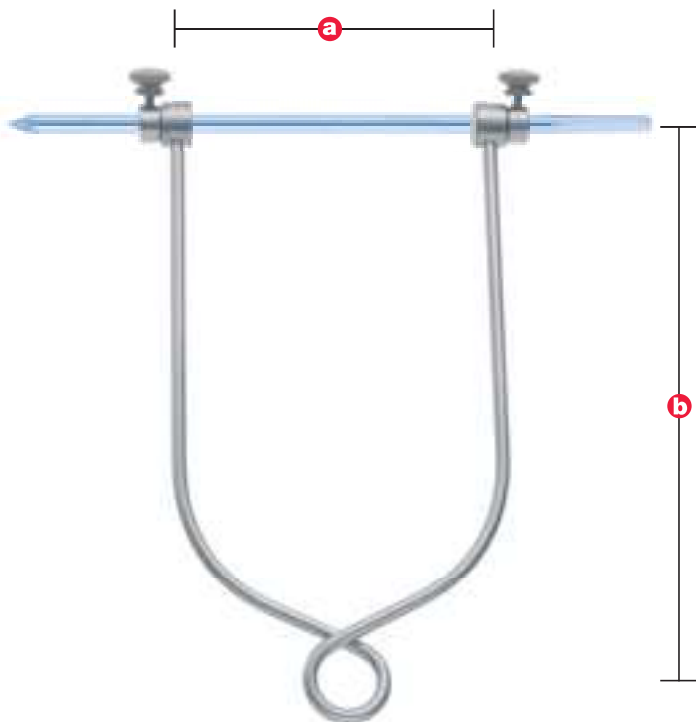
Fixierzwinde zum Halten der Spannmutter des Spannschlüssels Nr. 76.41.20
 Spring clamp, stabilizes the adjusting nut of the tightening wrench No. 76.41.20
 Manija para sujetar la tuerca de la llave tensora No. 76.41.20
 Bride de fixation pour écrou de la clé No. 76.41.20
 Morsetto per stringere il dado della chiave tenditrice No. 76.41.20



76.41.29



Extensionsbügel
Traction Bows
Estribos de extensión
Etriers à extension
Staffe per trazione



Böhler

76.44.01

a = 9 cm – 3½"

b = 16 cm – 6¼"

für Arm
for arm
para brazo
pour bras
per braccio

komplett mit 1 Nagel Ø 4 mm × 15 cm Nr. 76.44.15
complete with 1 nail Ø 4 mm × 15 cm No. 76.44.15
completo con 1 clavo Ø 4 mm × 15 cm No. 76.44.15
complet avec 1 clou Ø 4 mm × 15 cm No. 76.44.15
complet di 1 chiodo Ø 4 mm × 15 cm No. 76.44.15

76.44.03

a = 11 cm – 4¾"

b = 21 cm – 8¼"

für Knie und Oberschenkel
for knee and femur
para rodilla y femur
pour genou et fémur
per ginocchio e femore

komplett mit 1 Nagel Ø 4 mm × 18 cm Nr. 76.22.40
complete with 1 nail Ø 4 mm × 18 cm No. 76.22.40
completo con 1 clavo Ø 4 mm × 18 cm No. 76.22.40
complet avec 1 clou Ø 4 mm × 18 cm No. 76.22.40
complet di 1 chiodo Ø 4 mm × 18 cm No. 76.22.40

76.44.05

a = 15 cm – 3"

b = 21 cm – 8¼"

für Knie und Oberschenkel
for knee and femur
para rodilla y femur
pour genou et fémur
per ginocchio e femore

komplett mit 1 Nagel Ø 4 mm × 21 cm Nr. 76.44.21
complete with 1 nail Ø 4 mm × 21 cm No. 76.44.21
completo con 1 clavo Ø 4 mm × 21 cm No. 76.44.21
complet avec 1 clou Ø 4 mm × 21 cm No. 76.44.21
complet di 1 chiodo Ø 4 mm × 21 cm No. 76.44.21



Handbohrer, Knochendrähte
Hand Drills, Bone Suturing Wires
Perforadoras de mano, Alambre para huesos
Perforateurs à main, Fils d'acier à os
Perforatori a mano, Fili d'acciaio per ossa

mit Dreibacken-Spannfutter, von Hand zu spannen, max. Spannweite 4 mm, kanüliert
 with three-jaw chuck, to be locked by hand, max. spread 4 mm, canulated
 con plato de tres mordazas, tensor, a mano, apertura máxima 4 mm, canulado
 avec mandrin à trois mâchoires, tendre à main, ouverture maximale 4 mm, canulé
 con mandrino a tre ganasce, da tendere a mano, apertura massima 4 mm, canalizzato



78.03.05

mit Jacobs-Dreibacken-Spannfutter mit Spannschlüssel, max. Spannweite 4 mm, kanüliert
 with Jacobs three-jaw chuck and tightening wrench, max. spread 4 mm, canulated
 con plato de tres mordazas de Jacobs, con llave tensora, apertura máxima 4 mm, canulado
 avec mandrin de Jacobs à trois mâchoires, avec clé, ouverture maximale 4 mm, canulé
 con mandrino di Jacobs a tre ganasce, con chiave di tensione, apertura massima 4 mm, canalizzato



78.03.07

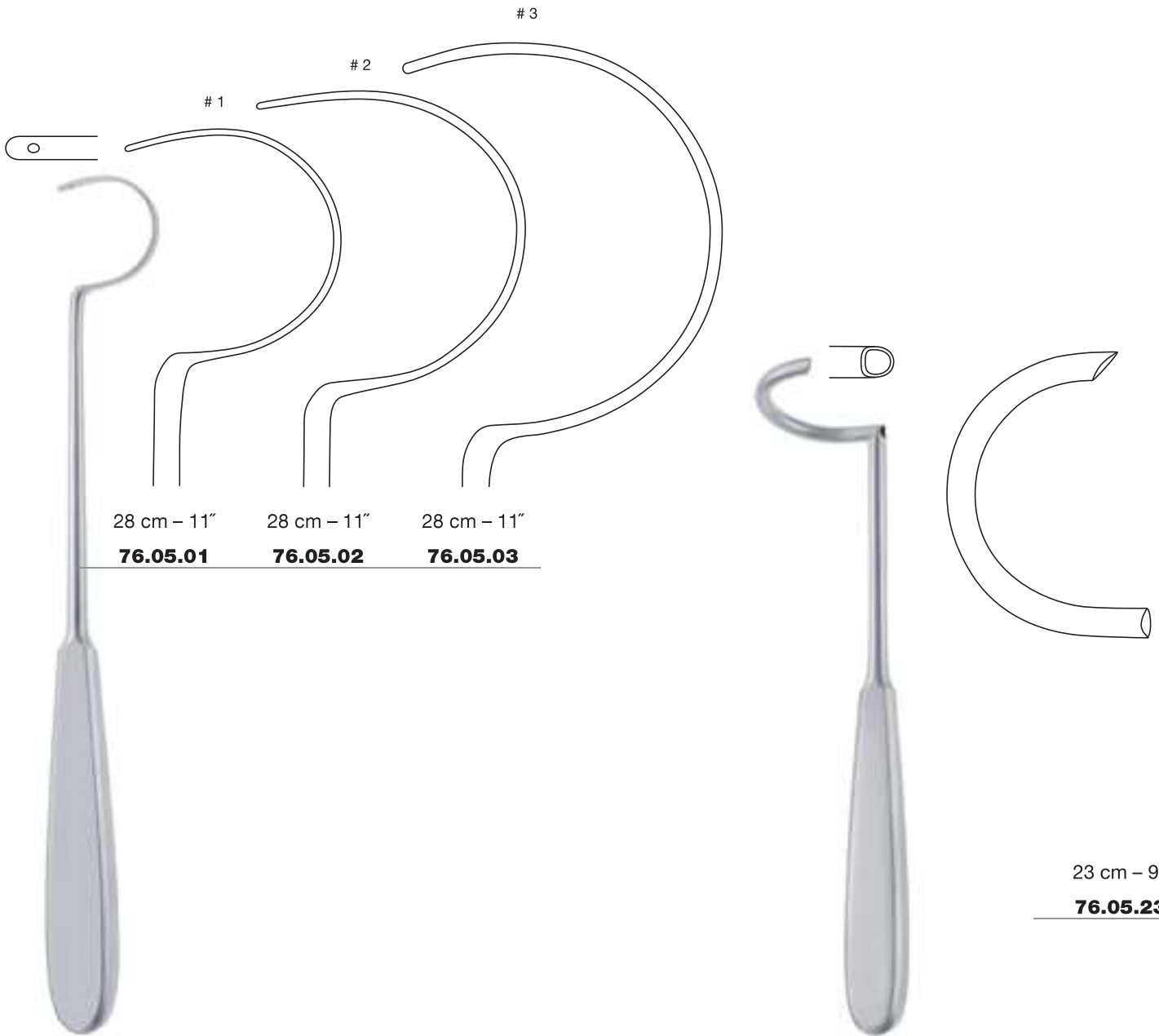
76.01.02	Ø 0,25 mm – 31 G
76.01.03	Ø 0,30 mm – 29 G
76.01.04	Ø 0,40 mm – 27 G
76.01.05	Ø 0,50 mm – 25 G
76.01.06	Ø 0,60 mm – 23 G
76.01.07	Ø 0,70 mm – 22 G
76.01.08	Ø 0,80 mm – 21 G
76.01.09	Ø 0,90 mm – 20 G
76.01.10	Ø 1,00 mm – 19 G
76.01.12	Ø 1,20 mm – 18 G
76.01.15	Ø 1,50 mm – 17 G
76.01.18	Ø 1,80 mm – 15 G
76.01.20	Ø 2,00 mm – 14 G



Rolle zu 10 m, weich
 Coil 10 m (33.3 ft.), soft
 Rollo de 10 m, blando
 Rouleau de 10 m, souple
 Rotolo da 10 m, dolce



Drahtumföhrungsnadeln
Wire Guides
Agujas conductoras de alambre
Passe-fils
Aghi passafilo



Demel

23 cm - 9"

76.05.23



Drahtumführungsadeln
Wire Guides
Agujas conductoras de alambre
Passe-fils
Aghi passafilo



24 cm – 9½"

76.05.24

27 cm – 10¾"

76.05.27



21 cm – 8¼"

76.08.00

21 cm – 8¼"

76.08.01



Kunststoffgriff (autoklavierbar bis 134 °C bei 3 bar)
 Plastic handle (autoclavable up to 134 °C at 3 bar)
 Mango de plástico (autoclavable hasta 134 °C bajo presión de 3 bar)
 Manche en plastique (autoclavable à 134 °C sous pression de 3 bars)
 Manico di plastica (autoclavabile fino a 134 °C sotto pressione di 3 bar)



Drahtspanninstrumente
Wire Tightening Instruments
Instrumentos tensores de alambre
Tendeurs-fil
Strumenti tendifilo metallico

Für Drähte bis max. Ø 1 mm
For wires of max. Ø 1 mm
Para alambres de max. Ø 1 mm
Pour fils à max. Ø 1 mm
Per fili da max. Ø 1 mm



22 cm – 8¾"

76.05.50

Loute



28 cm – 11"

76.05.60

Demel



Drahtspanninstrument
Wire Tightening Instrument
Instrumento tensores de alambre
Tendeur-fil
Strumento tendifilo metallico



Platte dreh- und auswechselbar
 Plate rotating and interchangeable
 Placa giratoria e intercambiabile
 Disque pivotant et interchangeable
 Placca girevole ed intercambiabile



Anzeige der Zugkraft mittels Skala bis 125 kg
 Indication of traction by scale up to 125 kg
 Indicación de la fuerza de tracción mediante una escala hasta 125 kg
 Indication de force de traction par échelle jusqu'à 125 kg
 Indicazione della forza di trazione tramite una scala fino a 125 kg

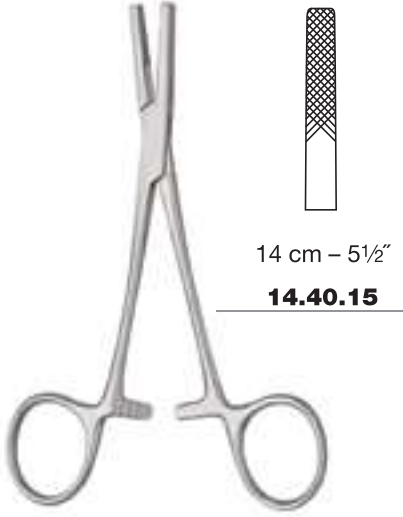
26 cm – 10¼"

76.05.65

für Drähte von Ø 1,5 – 2,5 mm
 for wires of Ø 1,5 – 2,5 mm
 para alambres de Ø 0,5 – 2,5 mm
 pour fils à Ø 0,5 – 2,5 mm
 per fili da Ø 0,5 – 2,5 mm



Drahtspannzangen, Flachzangen
Wire Twisting Forceps, Flat Nose Pliers
Pinzas tensoras de alambre, Alicates planos
Pinces serre-fil, Pinces plates
Pinze tendifili, Tenaglie piatte



Niro



Niro "HM"



"HM"



Medicon



Medicon "HM"

"HM"
 Hartmetall
 Tungsten carbide
 Carburo de tungsteno
 Carbure de tungstène
 Carburo di tungsteno



Drahtspannzangen, Flachzangen
Wire Twisting Forceps, Flat Nose Pliers
Pinzas tensoras de alambre, Alicates planos
Pinces serre-fil, Pincas plates
Pinze tendifili, Tenaglie piatte



14 cm - 5½"

14.46.14



15 cm - 6"

14.46.15

Universal



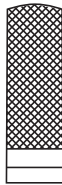
5 mm



18 cm - 7⅛"

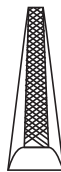
14.48.05

7 mm



18 cm - 7⅛"

14.48.07

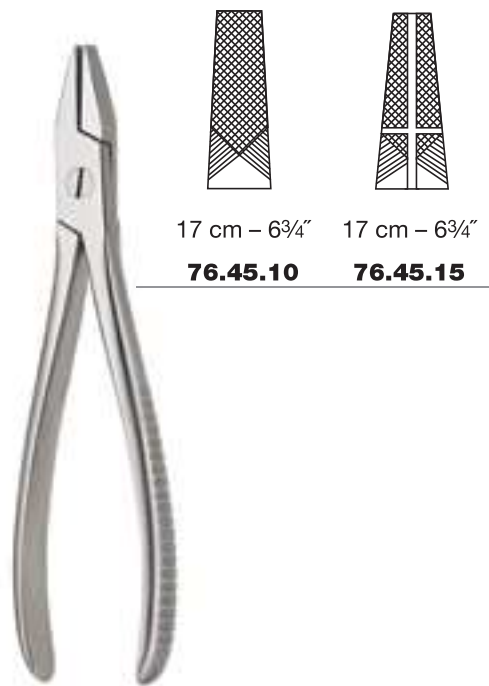


18 cm - 7⅛"

14.48.04



Drahtspannzangen, Flachzangen
Wire Twisting Forceps, Flat Nose Pliers
Pinzas tensoras de alambre, Alicates planos
Pinces serre-fil, Pinces plates
Pinze tendifili, Tenaglie piate



"HM"
 Hartmetall
 Tungsten carbide
 Carburo de tungsteno
 Carbure de tungstène
 Carburo di tungsteno



Draht- und Nagelextraktionszangen
Wire and Nail Extracting Forceps
Pinzas para extraer alambres y clavos
Pinces à extraction fils et clous
Pinze per estrazione di fili e chiodi



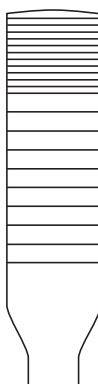
18 cm – 7 1/8"

76.45.18



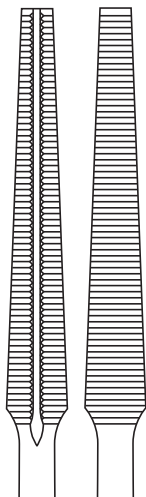
20 cm – 8"

76.45.21



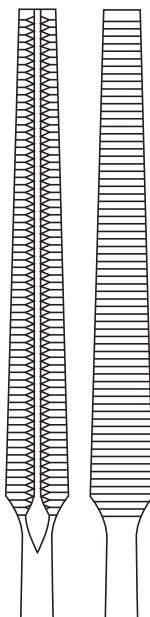
24 cm – 9 1/2"

76.45.22



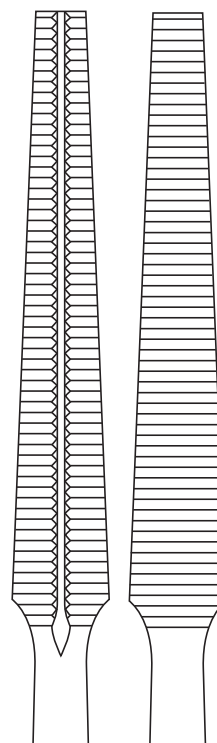
22 cm – 8 3/4"

76.45.25



25 cm – 10"

76.45.26



30 cm – 11 3/4"

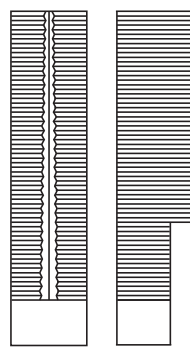
76.45.27



Draht- und Nagelextraktionszangen
Wire and Nail Extracting Forceps
Pinzas para extraer alambres y clavos
Pinces à extraction fils et clous
Pinze per estrazione di fili e chiodi

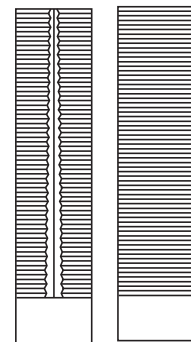


mit Seitenschneider für Drähte bis max. Ø 1,6 mm
with side cutter for wires up to max. Ø 1,6 mm
con pinza cortante para alambres hasta máx. Ø 1,6 mm
avec pince coupante pour fils jusqu'à max. Ø 1,6 mm
con pinza tagliente per fili fino a max. Ø 1,6 mm



18,5 cm – 7¼"

76.45.29



18 cm – 7⅛"

76.45.30



Drahtscheren
Wire Cutting Scissors
Tijeras para cortar alambre
Ciseaux coupe-fil
Forbici per fili d'acciaio



Beebee



10,5 cm – 4 1/8"

14.24.10



10,5 cm – 4 1/8"

14.24.20



10,5 cm – 4 1/8"

14.26.10



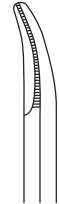
10,5 cm – 4 1/8"

14.26.20



10,5 cm – 4 1/8"

14.25.10



10,5 cm – 4 1/8"

14.25.20



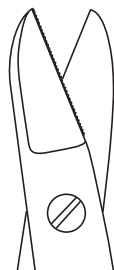
10,5 cm – 4 1/8"

14.27.10



10,5 cm – 4 1/8"

14.27.20



12,5 cm – 5"

14.24.12



12,5 cm – 5"

14.24.22



12,5 cm – 5"

14.26.12



12,5 cm – 5"

14.26.22



12,5 cm – 5"

14.25.12



12,5 cm – 5"

14.25.22



12,5 cm – 5"

14.27.12



12,5 cm – 5"

14.27.22



Eine Schneide gezahnt
 One blade serrated
 Una hoja dentada
 Une lame dentelée
 Una lama dentellata



Drahtscheren
Wire Cutting Scissors
Tijeras para cortar alambre
Ciseaux coupe-fil
Forbici per fili d'acciaio



10 cm – 4 1/8"
14.20.09

Schuknecht



13 cm – 5 1/8"
14.20.10

Harvey



12 cm – 4 3/4"
14.23.12

Universal



12 cm – 4 3/4"
14.23.62
0,3 mm
0,8 mm

Universal "HM"



16 cm – 6 1/4"
14.23.66
0,8 mm
1,2 mm

Universal "HM"

"HM"
Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno

max.
Harte Drähte
Hard wires
Alambres duros
Fils durs
Fili duri

max.
Weiche Drähte
Soft wires
Alambres blandos
Fils mous
Fili dolci

max.
Eine Schneide gezahnt
One blade serrated
Una hoja dentada
Une lame dentelée
Una lama dentellata



Drahtscheren, Drahtkneifzangen
Wire Cutting Scissors, Wire Cutting Pliers
Tijeras para cortar alambre, Pinzas para cortar alambre
Ciseaux coupe-fil, Pincès coupe-fil
Forbici per fili d'acciaio, Tenaglie tagliafili



12 cm – 4¾"
14.26.72

“HM”



16 cm – 6¼"
14.28.68

“HM”



16 cm – 6¼"
14.29.68

“HM”



12 cm – 4¾"
14.30.11

0,6 mm
 1,0 mm

“HM”



13 cm – 5⅛"
14.30.13


1,2 mm
 1,6 mm

“HM”

“HM”
 Hartmetall
 Tungsten carbide
 Carburo de tungsteno
 Carbure de tungstène
 Carburo di tungsteno

max.
 Harte Drähte
 Hard wires
 Alambres duros
 Fils durs
 Fili duri

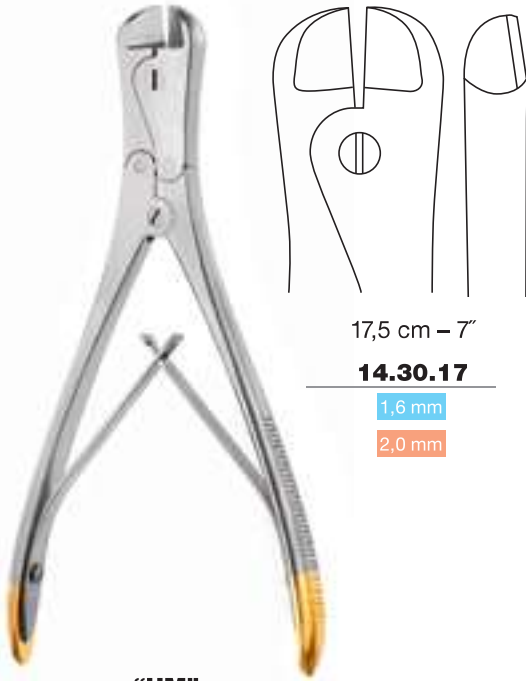
max.
 Weiche Drähte
 Soft wires
 Alambres blandos
 Fils mous
 Fili dolci



Eine Schneide gezahnt
 One blade serrated
 Una hoja dentada
 Une lame dentelée
 Una lama dentellata



Drahtkneifzangen
Wire Cutting Pliers
Pinzas para cortar alambre
Pinces coupe-fil
Tenaglie tagliafili



17,5 cm – 7"

14.30.17

1,6 mm

2,0 mm

"HM"



19 cm – 7½"

14.30.28

1,5 mm

2,0 mm



15 cm – 6"

14.30.65

1,5 mm

2,0 mm

"HM"



16 cm – 6¼"

14.30.76

1,5 mm

2,0 mm

"HM"

Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno

max.

Harte Drähte
Hard wires
Alambres duros
Fils durs
Fili duri

max.

Weiche Drähte
Soft wires
Alambres blandos
Fils mous
Fili dolci



Drahtkneifzangen
Wire Cutting Pliers
Pinzas para cortar alambre
Pinces coupe-fil
Tenaglie tagliafili



18,5 cm – 7¼"

76.45.47

1,6 mm



21,5 cm – 8½"

76.45.43

2,5 mm

"HM"



23 cm – 9"

76.45.73

2,5 mm

"HM"

"HM"
 Hartmetall
 Tungsten carbide
 Carburo de tungsteno
 Carbure de tungstène
 Carburo di tungsteno

max.
 Harte Drähte
 Hard wires
 Alambres duros
 Fils durs
 Fili duri



Drahtkneifzange
Wire Cutting Pliers
Pinza para cortar alambre
Pince coupe-fil
Tenaglia tagliafilì

Kunststoffbacken halten den Draht nach dem Durchtrennen in der Zange fest.

Plastic inserts hold wire piece after being cut.

Mordazas de plástico retienen el alambre después del corte.

Mors en plastique tiennent le fil après couper.

Le guance di plastica sostengono il filo nel morso della pinza dopo il taglio.



Easy Cut "HM"



20 cm – 8"

76.45.85

1,8 mm

76.45.85

Drahtkneifzange mit auswechselbaren Hartmetallschneiden, inkl. Service-Set (76.45.86).

Inhalt Service-Set:

Ersatzschneiden "HM" (Paar) 76.45.87

Kunststoffbacken (Paar) 76.45.88

Schrauben (4 Stück) 76.45.89

Schraubendreher 76.45.90

Wire cutting pliers with exchangeable TC edges, incl. service set (76.45.86).

Contents of service set:

Replacement TC edges (pair) 76.45.87

Plastic inserts (pair) 76.45.88

Screws (4 pieces) 76.45.89

Screwdriver 76.45.90

Pinza para cortar alambre con hojas intercambiables de tungsteno, incl. set de servicio (76.45.86).

Contenido del set de servicio:

Hojas de tungsteno de repuesto (par) 76.45.87

Hojas de plástico (par) 76.45.88

Tornillos (4 piezas) 76.45.89

Destornillador 76.45.90

Pince coupe-fil avec lames en tungstène interchangeables, set de service inclut (76.45.86).

Contenu du set de service:

Lames de rechange en tungstène (paire) 76.45.87

Mors en plastique (4 pièces) 76.45.88

Vis (paire) 76.45.89

Tournevis 76.45.90

Tenaglia tagliafilì con lame intercambiabili, completa di set di servizio (76.45.86).

Contenuto del set di servizio:

Lame TC (paio) 76.45.87

Guance di plastica (4 pezzi) 76.45.88

Viti (paio) 76.45.89

Cacciavite 76.45.90

"HM"

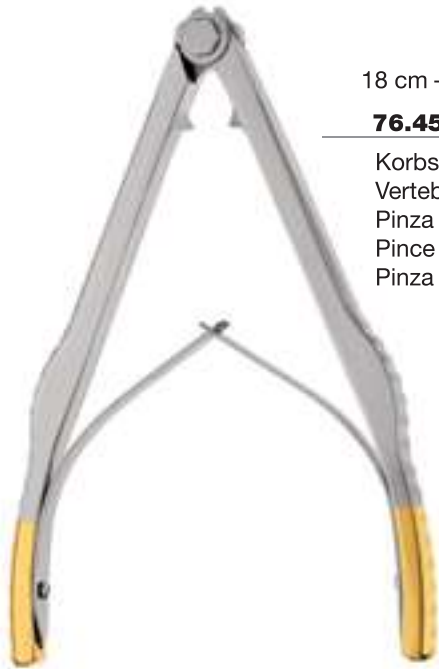
Hartmetall
 Tungsten carbide
 Carburo de tungsteno
 Carbure de tungstène
 Carburo di tungsteno

max.

Harte Drähte
 Hard wires
 Alambres duros
 Fils durs
 Fili duri



Drahtkneifzangen
Wire Cutting Pliers
Pinzas para cortar alambre
Pinces coupe-fil
Tenaglie tagliafili



18 cm – 7 1/8"

76.45.55

Korbschneider
 Vertebral cutting forceps
 Pinza cortante vertebral
 Pince coupante vertébrale
 Pinza tagliante vertebrale

Harms "HM"



Kunststoffbacken halten den Draht nach dem Durchtrennen in der Zange fest
 Plastic inserts hold wire piece after being cut
 Mordazas de plástico retienen el alambre después del corte
 Mors en plastique tiennent le fil après couper
 Le guance di plastica sostengono il filo nel morso della pinza dopo il taglio



18 cm – 7 1/8"

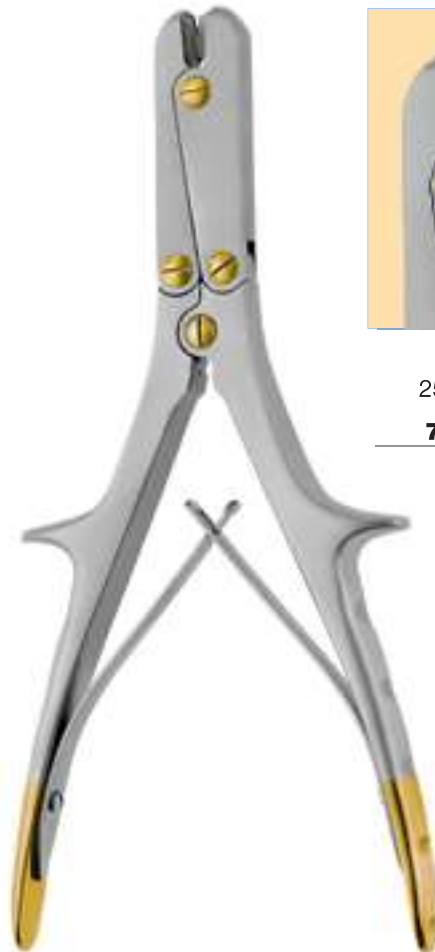
76.45.60

1,6 mm

2,0 mm

"HM"

"HM"
 Hartmetall
 Tungsten carbide
 Carburo de tungsteno
 Carbure de tungstène
 Carburo di tungsteno



25 cm – 10"

76.45.75

3,0 mm

Goliath "HM"

max.
 Harte Drähte
 Hard wires
 Alambres duros
 Fils durs
 Fili duri

max.
 Weiche Drähte
 Soft wires
 Alambres blandos
 Fils mous
 Fili dolci



Drahtkneifzangen
Wire Cutting Pliers
Pinzas para cortar alambre
Pinces coupe-fil
Tenaglie tagliafili



26 cm – 10¼"

76.45.79

3,0 mm



45 cm – 17¾"

76.45.80

6,0 mm

1:4



57,5 cm – 22½"

76.45.81

6,35 mm

1:4

Bolzenschneider
 Wire pin cutting pliers
 Alicates corta alambre y clavos
 Pince coupante pour fil et clous
 Pinza tagliante per fili e chiodi



Griffe demontierbar
 Handles dismantable
 Mangos desmontables
 Manches démontables
 Manici smontabili

max.	Harte Drähte Hard wires Alambres duros Fils durs Fili duri
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