2. CUTTING-, STRIPPING- AND CRIMPING TOOLS

2.1 Cutting tools

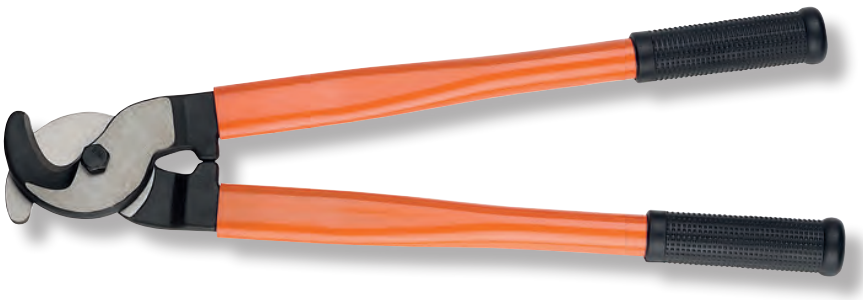
When working with cables the manufacturing process of making crimping connections starts with the cutting operation. Here you have to pay attention that the different kinds of cables will be cutted by a plain and straight cut without appreciable conductor deformation.

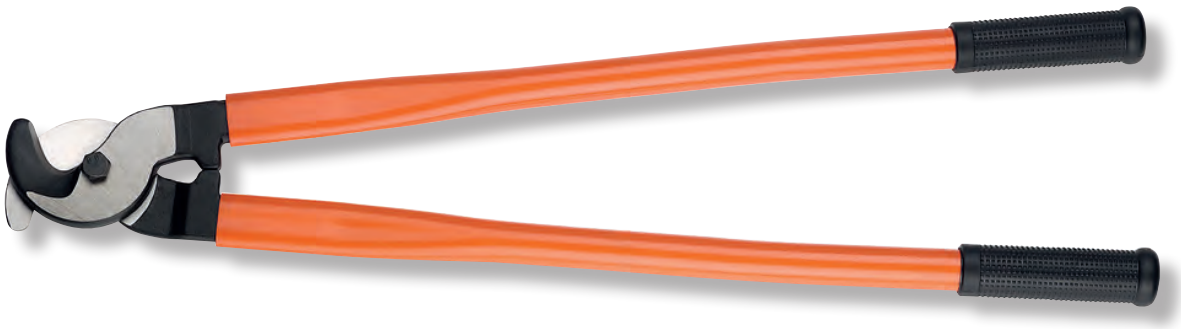
For cutting electrical conductors consisting out of copper or aluminium, druseidt offers different designs of cutting tools or devices. So it is possible to select the right cutting tool in dependence of the application, the cross-sections and number of cutting operations. To get an optimized cutting result the design and the material of the blades and cutting knives as well as the stability of the tools are important things. The technical design, lever and force transmission, e. g. by a ratchet etc., determines the necessary cutting force.

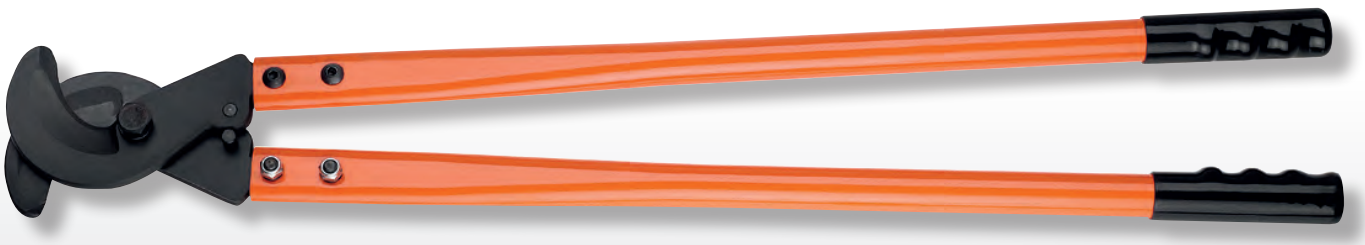
Power-assisted cutting tools with ratchet or hydraulic drive enables through their compact structural forms a working also in cramped conditions.

Cutting tools
for copper- and aluminium cables

Part-No.	P D [F X W W L Q J '	P D [F X W W L Q J F D S D F L W \ Á H [L E O H			length	weight kg/pcs.
		solid	stranded			
12610	20 mm	16 mm²	35 mm²	70 mm²	200 mm	0,35
Not applicable for cutting steel wires, cables with steel insertion and hard drawn solid conductors						







Part-No.	P D [F X W W L Q J '	P D [F X W W L Q J F D S D F L W \ À Q H V W U D Q G H U shaped conductors			length	weight kg/pcs.
		stranded				
05400	27 mm	120 mm²	185 mm²	[P P ò	500 mm	1,01
05408	30 mm	120 mm²	240 mm²	[P P ò	440 mm	1,25
05412	32 mm	150 mm²	300 mm²	[P P ò	600 mm	1,50
05419	42 mm	300 mm²	500 mm²	[P P ò	800 mm	3,30
Not applicable for cutting steel wires, cables with steel insertion and hard drawn solid conductors						

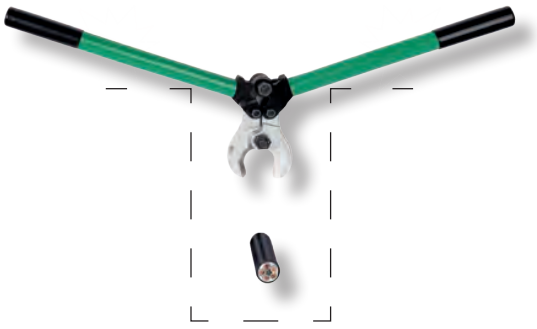
Cutting tool for copper- and aluminium cables

with jointed arm, ratchet and telescope arms

+LJK TXDOLW\ FXWWLQJ WRROV IRU FXWWLQJ VWHHO UHLQIRUFHG DQG DOXPLQLXP FDEOHV

aluminium cables. Not applicable for cutting steel-wires and cables with steel-insertion. Ideal for cramped working spaces. With jointed telescope arms adjust for the ideal grip width. Optimized blade geometry with precision grind and adjustable joint consisting out of hardened special steel. Due to combination with ratchet, the necessary cutting force. Light rigid aluminium handles with 2-component grips and pinch protection. The design and the light weight of only 2 kg offer a comfortable working in cramped conditions.

Optimum force transfer through jointed arm and ratchet



Telescope arms adjust to the available working space

570 mm

620 mm

670 mm

720 mm

770 mm

Comfortable working in cramped conditions

Part-No.	P D [F X W W L Q J	cutting capacities ‘ stranded	Á H [L E O H	sector shaped conductors [P P ò	length	weight kg/pcs.
05402	38 mm	300 mm²	300 mm²		570 -770 mm	2,00
05403	spare blade for 05402					
Not applicable for cutting steel wires, cables with steel insertion and hard drawn copper conductors						

Cutting tools with ratchet

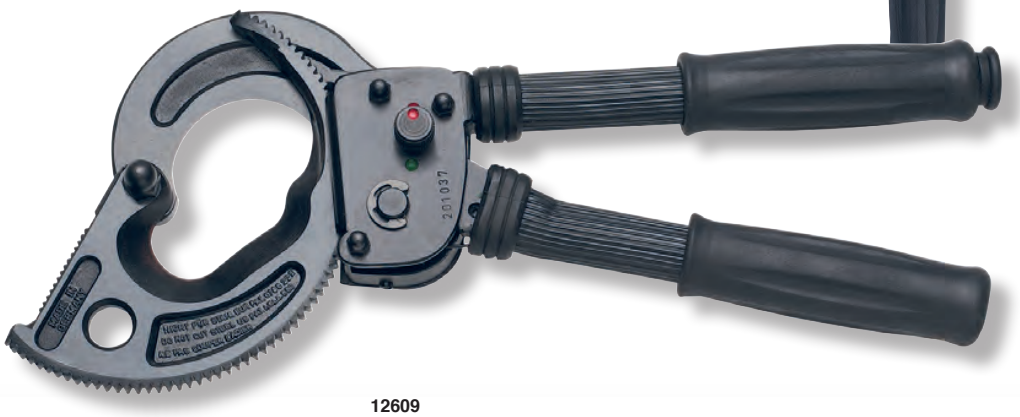
for copper- and aluminium cables

Mechanical hand operated cable cutters with ratchet and high cutting F D S D F L W L H V 7 K H H I À F L H Q W S R Z H U W U D Q V P L V V L R Q R Z L W K A l w a y s a n o p t i m a l c u t s a n d a p p l i c a b l e for cutting steel-lever and the optimal blade geometry offer a cutting of copper- and aluminium cables with low manual forces. The collapsible cutting head the handy design and the light weight enable a comfortable working also in cramped conditions. The cable cutter Part-No. 12607 enables a wires, cables with steel insertion or solid conductors. Only the cable cutter Part-No. 12626 offer additionally a cutting of soft steel thin sheet covered cables.

12607

12603

12626



12609

Part-No.	P D [F X W W L Q J '	P D [F X W W L Q J F D S D F L W \ Á H [L E O H stranded	sector shaped conductors	length	weight kg/pcs.
12607	35 mm	240 mm²	240 mm²	[P P ò	250 mm	0,93
12608	Compensation swinging blade for 12602				
12603	52 mm	400 mm²	500 mm²	[P P ò	325 mm	1,20
12604	Compensation swinging blade for 12603				
12609	62 mm	750 mm²	750 mm²	[P P ò	410 mm	2,00
12614	Compensation swinging blade for 12609				
12626	80 mm	1000 mm²	1000 mm²	[P P ò	610 mm	3,00
12627	Compensation swinging blade for 12626				

Front cutting tools with ratchet
for copper- and aluminium cables

Mechanical hand operated front cable cutters with ratchet and high cutting capacities. Also suitable for working in cramped conditions such as in tunnels or inside of connecting sleeves. Part-No. 11100 and 11102 with needle bearing. Part-No. 11104 and 11106 with special eccentric drive and optimized cutting knife geometry to enable low force cutting procedures. The cutting procedure starts when swinging the moveable hand lever. The cable cutter Part-No. 11100 offer a one hand operation. All cable cutters are not applicable for cutting steel-wires, cables with steel insertion or solid conductors.

11100

11102

11104

11106

Part-No.	P D [F X W W L Q J '	stranded	P D [F X W W L Q J F D S D F L W \ Á H [L E O H	sector shaped conductors	length	weight kg/pcs.
11100	25 mm	120 mm²	120 mm²	[P P ò	245 mm	0,9
11101	Compensation swinging blade for 11100					
11102	34 mm	185 mm²	240 mm²	[P P ò	330 mm	1,3
11103	Compensation swinging blade for 11102					
11104	35 mm	240 mm²	300 mm²	[P P ò	330 mm	1,4
11105	Compensation swinging blade for 11104					
11106	55 mm	500 mm²	500 mm²	[P P ò	485 mm	3,0
11107	Compensation swinging blade for 11106					

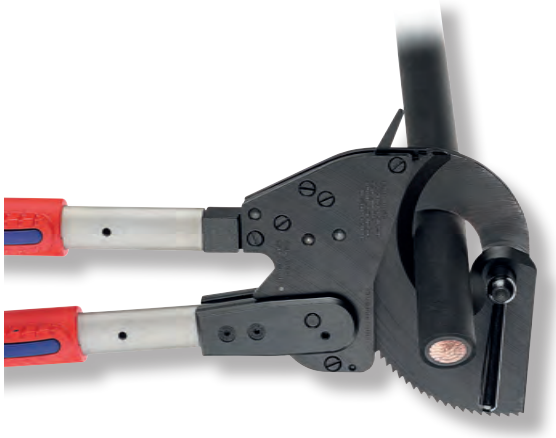
Tool bags
for cutting tools with ratchet

Part-No.	suitable for cable cutter	design
11110	12607/11100	0DGH RXW RI ZRYHQ WH[WLOH ZLWK SDGGL[QHDU suitable to transport and keep safe our cable cutters with ratchet or similar tools.
11111	12603/11102/11104	
11112	12609/11106	

Cutting tools with ratchet for copper- and aluminium cables
with adjustable telescope arms

Mechanical hand operated cutters with ratchet. Suitable for cutting of VWUDQGHG DQG ÁH[LEOH FRSSHU DQG DOXPLQLXP cables, also with sheet covered cables. Not applicable for cutting steel-wires, cables with steel insertion or solid conductors. The telescope arms are adjustable to a range of length. Combined with the ratchet drive it is possible to realize a cutting procedure with low forces. When activating the emergency release the cutter can be opened in any cutting position. The telescope arms are made out of light rigid aluminium with 2-component grips.

Easy, time-saving use
with quick pre-adjustment



Telescope arms adjust
to the available working
space

610/660 mm

660/710 mm

710/750 mm

750/810 mm

810/860 mm

Part-No.	PD[FXWWLQJ '	cutting capacities stranded	ÁH[LEOH	sector shaped conductors [PPò	length mm	weight kg/pcs.
05404	60 mm	630 mm²	800 mm²		610-810	3,85
05405	Spare blade for 05404					
05406	100 mm	800 mm²	1000 mm²		660-860	4,98
05407	Spare blade for 05406					

Pneumatically actuated cutting device

IRU ÁH[LEOH FRSSHU DQG DOXPLQLXP FDEOHV

Universal applicable pneumatically actuated cutting device for cutting of ÁH[LEOH FRSSHU DQG DOXPLQLXP FDEOHV KRVHV RU VLPLODU SURGXFWV 6LPSO\ KDQGOLQJ)LUVW LQVHUW FDEOH WKDQ SXVK LW WKURXJK WKH GHYLFH DQG DFWLYDWH the cutting procedure by pressing down the foot switch. Finally remove the cutted cable.

All devices are constructed to work with an air-pressure of 6-10 bar.
In dependence of the different cutting range the devices are equipped ZLWK VLQJOH GXSOH[WULSOH RU TXDGUXSOH F\OLQGHU 7KH FXWWHUV DUH QRW applicable for cutting steel-wires, cables with steel-inserts or solid conductors. To offer an optimal solution for your cutting application we recommend to send us your cutting materials.
With pleasure we'll make cutting tests.

Foot switch

Tabletop unit

Part-No.	P D [F X W W L Q J ‘	no. of cylinder	cutting capacities ÁH[LEOH	NYM-leading	dimensions mm L	B	H	weight kg/pcs.
05222	12 mm	1	ca. 10 mm²	[P P ò	221	80	80	3,00
05224	20 mm	1	ca. 50 mm²	[P P ò	255	250	100	5,00
05226	30 mm	2	ca. 120 mm²	[P P ò	315	250	100	5,00
05228	45 mm	3	ca. 240 mm²	[P P ò	581	350	150	11,00
05229	45 mm	4	ca. 500 mm²	[P P ò	688	350	150	12,00

Remark: 7KH VSHFLÀHG FXWWLQJ FDSDFLWLHV LQ WKH WDEOH DUH RQO\ FLUFD YDOXHV 7KH\ DUH LQ GHSH RI WKH FDEOH VWUDQGLQJ $OO YDOXHV LQ WKH WDEOH DUH LGHQWLÀHG E\ DQ DLU SUHVVXUH RI EDU