

## 2. CUTTING-, STRIPPING AND CRIMPING TOOLS

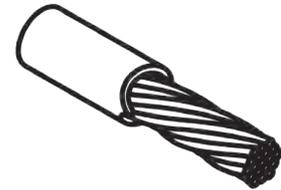
### 2.2 Stripping tools

After the cables are cutted they must be stripped. That means that the conductor insulation must be removed in a defined length, without damaging the wires. To guarantee this, it is necessary to work with a high quality and professional stripping tool, which is aligned to the insulation material and the conductor cross-section. druseidt offers also in the field of stripping procedures high quality tools and devices. In dependence of the material and the number of strippings the user can select the right tools.

Easy hand tools as well as stripping machines are shortly deliverable. Also for problematically insulation materials, like Teflon, Silicone or extra hard materials, solutions are offered too. With pleasure we advise your employees or make stripping tests with your materials.

To realize professional stripping operations it is necessary to avoid mistakes. Some references of mistakes are given in the DIN IEC 60352 part 2 e. g.:

Accurate stripped leading



Deposits of the insulation material are on the stripped conductor



Damaged conductor insulation caused by the used stripping tool



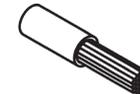
Damaged or cutted wires caused by the used stripping tool



To much twisting of the wires



No twisting of the wires



Incorrect insulation cutting



### Stripping tools

for PVC-insolated cables

Self-adjusting stripping tools with and without cable cutter. Suitable for stripping standard cables and leadings with PVC-insulation.

Part-No. 12622 N is a high quality tool with exchangeable stripping blades and excellent stripping capacity.



12642 N



12622 N



12633

Part-No.	stripping capacity		description	length	weight kg/pcs.
	mm <sup>2</sup>	AWG			
12642 N	0,2 - 6	24 - 10	Self-adjusting with cable cutter for flexible cables 2,5 mm <sup>2</sup>	100 mm	0,10
12622 N	0,08 - 6	28 - 10	Self-adjusting with cable cutter for flexible cables 6 mm <sup>2</sup> and solid conductors 4 mm <sup>2</sup>	200 mm	0,15
12623 N	0,08 - 6	28 - 10	Blade set for 12622 N		
12633	6 - 16	10 - 6	Self-adjusting without cable cutter	160 mm	0,13

### Stripping tool with exchangeable blade sets

for different insulating materials

Ergonomic designed, handy and light weight stripping tool. Nearly 90% of wires or leadings can be stripped without adjusting the tool. The exchangeable multiple stripping cassettes enable precision stripping of a wide range of insulations from PVC to PTFE with just one tool. Fine adjustability ensures that fine insulations can be stripped without damage the conductors. Easy exchangeable stripping cassettes for PVC-leadings

up to 16 mm<sup>2</sup> as well as V-shaped stripping blades for problematically insulation materials up to 4 mm<sup>2</sup> offer a wide range of application. Tested to over 150000 cycles. Caused by the high-strength synthetic material (double strength compared with the standard Nylon 6.6. material) a high product reliability and durability is guaranteed.



Easy exchangeable stripping cassettes



V-shaped stripping blades for problematically insulation materials

Part-No.	stripping capacity		description	length	weight kg/pcs.
	mm <sup>2</sup>	AWG			
05190	0,02 - 10	34 - 8	Self-adjusting for PVC-leadings up to 10 mm <sup>2</sup> . With cable cutter for flexible cables 10 mm <sup>2</sup> and solid conductors 1,5 mm <sup>2</sup>	191 mm	0,14
<b>Available stripping cassettes</b>					
05191	4 - 16	12 - 5	Stripping cassette for PVC-leadings		
05192	0,1 - 4	28 - 12	Stripping cassette with V-shaped blade for problematically insulation materials		
05193	0,02 - 10	34 - 8	Replacement stripping cassette for PVC-leadings		

### Stripping tools with exchangeable profile blades

for different insulation materials in a cross-section range up to 16 mm<sup>2</sup>

Extremely stabilized stripping tool with length stop for special application offers a high quality stripping and dismantling of leadings and multi-conductor cables in a cross-section range of 0,03 mm<sup>2</sup> up to 16 mm<sup>2</sup>. Applicable for a great variety of insulations of different hardness. No pinching or deforming of cable ends thanks to a special cutting mode.

For PVC-leadings up to 6 mm<sup>2</sup> and druseidt silicone-leadings 1,8/3 kV up to 16 mm<sup>2</sup> in standard design with mounted stripping blades or alternatively as tool frame without blade sets. A great number of blade sets offer a wide range of stripping application. So it is possible to arrange a stripping set coordinated with the individually requirements.



Stripping tool with mounted profile blade  
05200/05202/05205



Tool frame without profile blade  
05210



Position cable at length stop



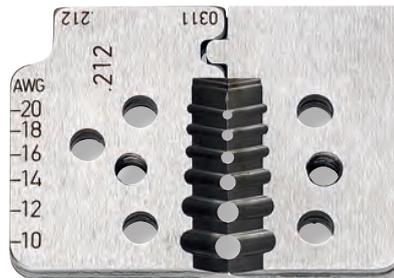
Stripping with profile blades



Automatic removal of insulation



Exchangeable profile blades



Part-No.	stripping capacity		description	length	weight kg/pcs.
	mm <sup>2</sup>	AWG			
<b>Tools with mounted profile blades</b>					
05200	0,14 - 6	26 - 10	for PVC-leadings	200 mm	0,45
05202	4 - 10	11 - 7	for druseidt silicone-leadings 1,8/3 kV and similar	200 mm	0,45
05205	10 - 16	7 - 5	for druseidt silicone-leadings 1,8/3 kV and similar	200 mm	0,45
<b>Tool frame with additional profile blades</b>					
05210	-	-	Tool frame without profile blades	200 mm	0,41
05201	0,14 - 6	26 - 10	Profile blade for PVC-leadings		
05203	6 - 16	10 - 5	Profile blade for PVC-leadings		
05204	4 - 10	11 - 7	Profile blade for druseidt silicone-leadings 1,8/3 kV acc. to catalogue page 40		
05206	10 - 16	7 - 5	Profile blade for druseidt silicone-leadings 1,8/3 kV acc. to catalogue page 40		
05207	2 x 0,35		Profile blade for Profi-Bus-cables with cladding		
05208	0,05 - 0,5	30 - 20	Profile blade for Teflon insulated cables		
05209	0,14 - 1	26 - 16	Profile blade for Teflon insulated cables		
05211	0,03 - 2,08	32 - 14	Profile blade for Teflon insulated cables with cable guiding		
05212	2,5 - 10	13 - 7	Profile blade for Teflon insulated cables		
05213			Profile blade for 1,2 and 4-core POF-cables		
05214	2,5 - 6	13 - 9	Profile blade for solar cable Radox 125		
05215	0,5 - 6	20 - 10	Profile blade for special cables with insulation out of teflon, glass fibre tube and kapton tape		
05216			Profile blade for ASI-Bus cable outer sheath 2 x 1,5 mm <sup>2</sup> /10,2 x 4 mm		
05217	1,5 - 6	15 - 9	Profile blade for solar cables		
05218	4 - 10	11 - 7	Profile blade for solar cables		
05219	3/4 x 0,34 3/5 x 0,5	-	Profile blade for Lumflex-cables		

### Stripping tool

for round shaped cables 4,5 mm up to 40 mm Ø

Professional stripping tool for cables of all insulation types up to a insulation thickness of 4,5 mm. By rotating the body of the tool the blade can be fixed in any one of three positions providing circular cuts around the cable and lengthways or spiral cuts along the cable. Two interchangeable cable retention hooks are standard and offer so an incomparable cable stripping capacity up to 40 mm Ø in one tool. After the stripping operation is finished the blade returns back into the starting position automatically and reduce so the risk of a blade break.

The elevating adjustment can be done very sensitive and no special tools are required to change hooks. One replaces the other by extraction and insertion of the hooks. The well balanced design enables a stripping of ambitious cables also under hard and difficult conditions. Without having sharp edges the tool can be carried in the pocket too. Tested with more than 100000 cycles and made out of high strength synthetic material (double strength compared with the standard Nylon 6.6. material) are additional arguments for the high quality level.



Set with 2 cable retention hooks



Circular, lengthways and spiral strips



Ergonomic design with feature rests for thumb, first and little fingers to ease raising of the cable retention hook

Part-No.	stripping capacity	insulation thickness max.	description	length	weight kg/pcs.
12843	4,5-40 mm	4,5 mm	Stripping tool with 2 cable retention hooks	150/167 mm	0,12
12844	Replacement blade for 12843				
12845	Little replacement cable retention hook 4,5-25 mm Ø				
12846	Big replacement cable retention hook 20-40 mm Ø				

### Solar cable stripping tool

adjusted for 7 mm and 8,5 mm stripping length

Small, light and easy to handle cable stripping tool, prepare most standard solar cables without adjustment from 2,5-6 mm². Fixed stripping length 7 mm and 8,5 mm that needs no adjustment. Easy handling-clip on cable, rotate, remove tool and insulation slugs. The blades are exchangeable and protected against accidental contact in case of non-working.



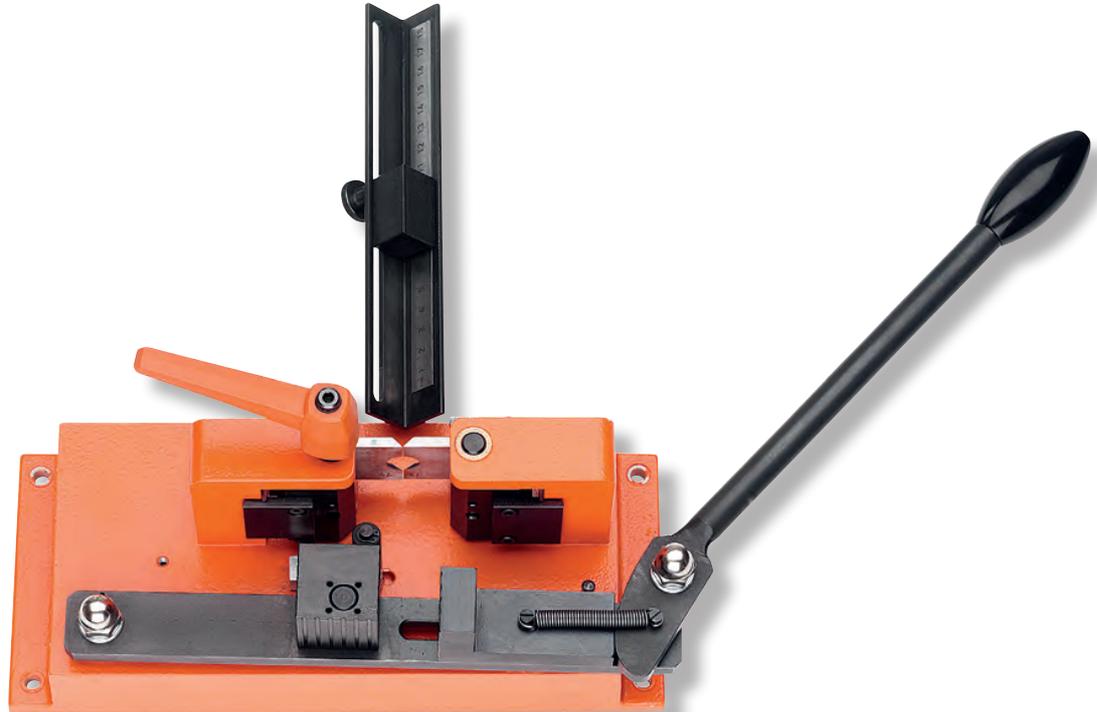
Part-No.	stripping capacity	stripping length	description	dimensions mm			weight kg/pcs.
				L	B	H	
05177	2,5-6 mm²	7,0/8,5 mm	Stripping tool with stripping cassette	83	22	43	0,02
05179	Replacement blade cassette for 05177						

**Manually operated stripping device**

for stripping and dismantling of leadings and cables up to a diameter of 30 mm

Easy to handle, manually operated stripping device for stripping and dismantling of single wires or leadings as well as multicore conductors with different insulation materials. The stripping blades are manufactured in 1 mm steps in dependence of the cable-Ø. Additionally to the standard blades we manufacture various kinds of blades in special design for problematically insulation materials. All offered standard stripping blades are also applicable for our druseidt silicone insulated leadings 1,8/3 kV according to catalogue page 40.

The stripping blades can be adjusted very easily without any tools to suit your cable-Ø and insulation removal length. Once adjusted a simply pull on the hand lever and the part of the outer insulation is cut and removed. To offer an optimal solution for your stripping application we recommend to send us samples. With pleasure we'll make stripping tests with your material.



Stripping machine



Pull the clamp lever in order to open the stripping blades



Insert cable and push it at the length stop. Than let the clamp lever loose and pull on the hand lever

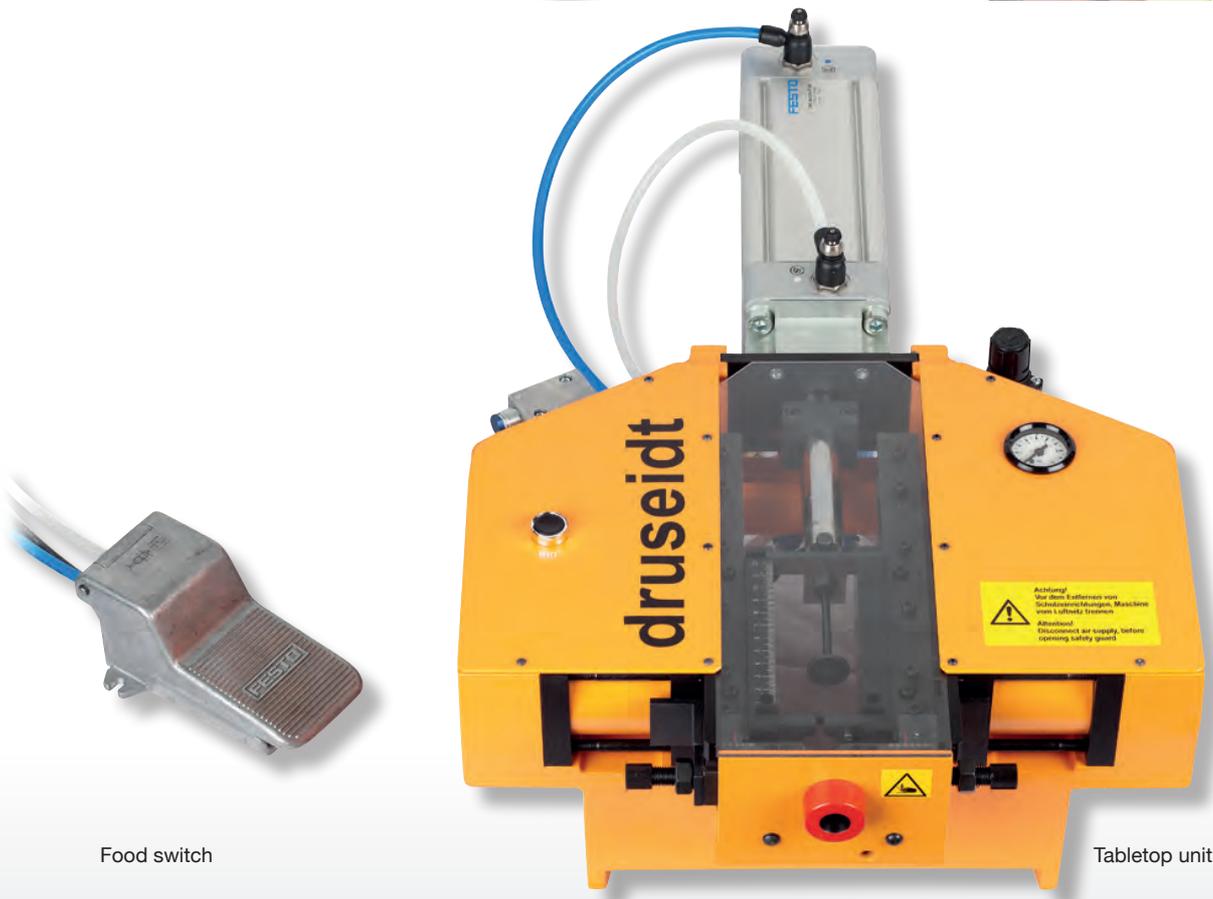
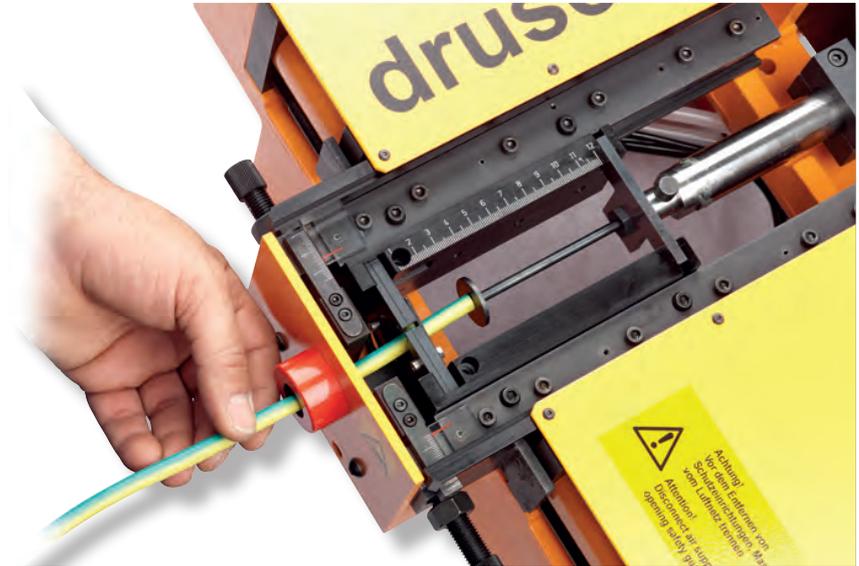
Part-No.	stripping capacity	stripping length	description	dimensions mm			weight kg/pcs.
				B	L	H	
05300	up to 30 mm Ø	up to 150 mm	Stripping device without stripping blade	290	125	170	5,00
05301	Standard stripping blade						

### Pneumatically operated stripping machine

for stripping and dismantling of leadings and cables up to a diameter of 25 mm

Universal stripping machine for the economical production of small and medium series. The use of special stripping blades coordinated with the different cables allows an easy handling of nearly all standard cables. When working with extremely soft insulation materials like our silicone insulated leadings 1,8/3 kV according to catalogue page 40 it is necessary to center it by an additional plate (stripping blades Part-No. 05322).

All machine retooling can be done in some seconds without using tools. A delivery with foot-switch is standard. To offer an optimal solution for your stripping application we recommend to send us samples. With pleasure we'll make stripping tests with your material.



Food switch

Tabletop unit

Part-No.	stripping capacity	max. stripping length by total stripping	description	operating pressure	dimensions mm			weight kg/pcs.
					B	L	H	
05320	1-25 mm Ø	120 mm	Stripping machine without stripping blades	3-6 bar	430	650	245	27,50
05321	Standard stripping blade for 05320							
05322	Stripping blade with additional plate for 05320							

Stripping machines for bigger cables > 25 mm Ø on request.