WS6 Series Adjustable End Strippers

Warning! **This tool should not be used on live electrical circuits. It is not protected against electrical shock!** Always use **OSHA/ANSI/CE** or other industry approved eye protection when using tools. This tool is not to be used for purposes other than intended. Read carefully and understand instructions before using this tool.

Note: These tools can be manually or power operated for stripping polyethylene, (XLPE) cross link polyethylene, and (EPR) ethylene propylene rubber insulation on 15KV to 46KV cables with .900"(22.86mm) to 2.030"(52.07mm) in diameter.

OPERATING INSTRUCTIONS

For best results, the end of the cable to be stripped should be cut straight and square using a hack-saw or curved jaw cable cutters.

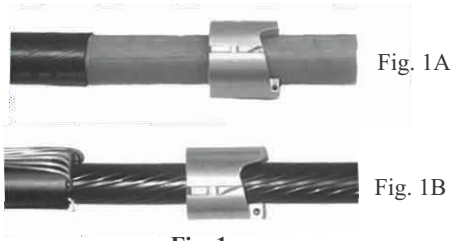

Fig. 1

Step 1. (Fig 1) Check the bushing by sliding it over polyethylene insulation (Fig 1A) or semi-con over EPR insulation (Fig. 1B). The bushing should fit closely but still rotate easily on the cable. ***We recommend the use of lubricant applied to the semi-con surface on EPR cable.***

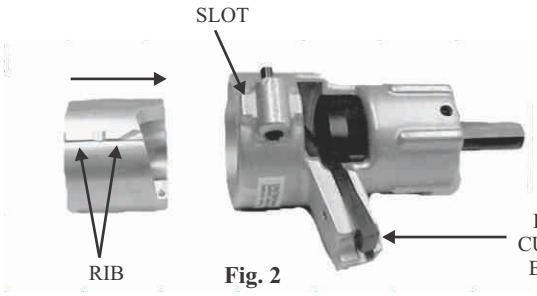

Fig. 2

Step 2. (Fig. 2) To insert the bushing into the WS6, line up rib on the bushing with the slot on the WS6 housing. Raise the cutting blade by depressing outer end and insert the bushing until it locks into place.

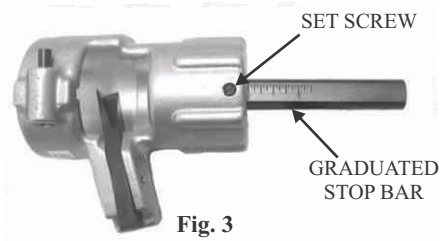

Fig. 3

Step 3. (Fig. 3) To adjust the stop bar for desired length of conductor exposure, loosen the set screw located on the end of the tool body directly above the stop bar. Adjust the stop bar to the desired length of insulation to be stripped and tighten the set screw.

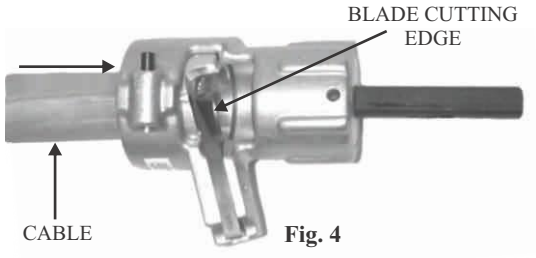

Fig. 4

Step 4. (Fig. 4) To strip the insulation, insert the cable into the WS6 until it comes in contact with cutting edge of the blade. Always check the blade position with respect to the conductor, before stripping the insulation.

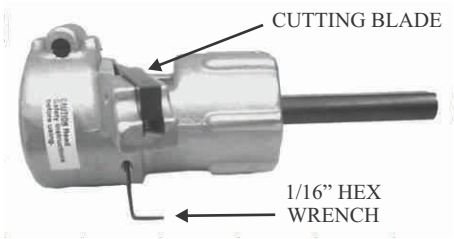

Fig. 5

Step 5. (Fig. 5) Before stripping the insulation, adjust the blade edge to 1/64"(.39mm)-1/32"(.79mm) above the conductor surface by inserting the provided hex wrench through the hole located beneath the tool blade.

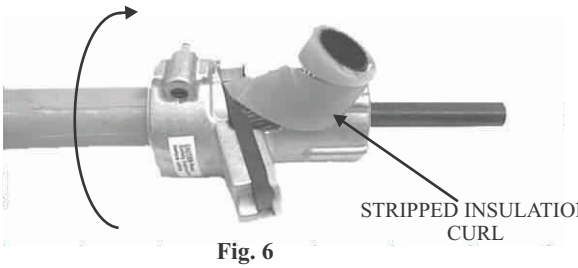

Fig. 6

Step 6. (Fig. 6) Rotate the tool clockwise around the cable to remove the insulation. Insulation will peel off until the cable conductor reaches the stop bar. The blade will automatically sever the insulation cleanly at the end of the cut.

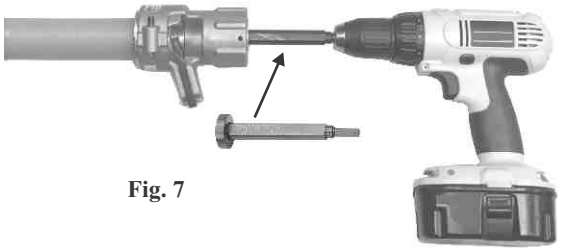

Fig. 7

(Fig. 8) WS6 drill adaptable models are driven from the end of the drill adaptable stop bar.

Operating notes:

- Set the tool up in the manual mode as described in steps 5 and 6. Make a manual test cut to verify blade depth.
- Hold the tool straight and parallel to the cable
- Avoid freewheeling the tool. When insulation stripping is complete, immediately stop the tool. Remove the tool from the cable while the drill is OFF.
- Impact wrenches are not recommended

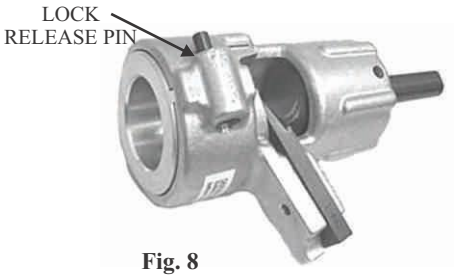

Fig. 8

(Fig. 8) To remove the bushing, depress the lock release pin on the housing and slide the bushing out.

Fig. 9 - Blade Locking Screw

Note: This screw is recommended for use when stripping Ethylene Propylene Rubber (EPR) insulation on primary underground cable. Set the cutting blade depth as noted in step 5 above. Thread the locking screw into the tool body as shown here, until it touches the back side of blade and prevents blade movement. The locked blade will ensure a clean and square insulation cut on the EPR cable.

REPLACEMENT PARTS AND FEATURES

Model	Tool Part No.	Blade	Blade Part No.	Rotating Stop Bar Part No.
WS6	12900	CB8-2	12903	12928
WS6 w/ WA-1	12917	CB8-2	12903	12928
WS6 w/ WA-3	12918	CB8-2	12903	12954
WS6 DA	12950	CB8-2	12903	12953
WS6DA w/WA-1	12951	CB8-2	12903	12953
WS6DA w/WA-3	12952	CB8-2	12903	12954

- Stop bar removal allows for infinite stripping of insulation
- 12928 stop bar permits a stripping length up to 2-1/16”(61.9mm)
- WA1 adapter permits the use of the SW2 ratchet wrench
- WA3 adapter allows strip lengths up to 5 1/2”(139.7mm) and fits SW2 wrench for extra leverage

BUSHING SELECTION TABLE ****For best stripping results, size up PE and XLPE insulated cables over the insulation diameter. Size up EPR cables over the semi-con diameter.**

O.D. over insulation/semi-con** (inch)	O.D. over insulation/semi-con** (mm)	Bushing #	O.D. over insulation/semi-con** (inch)	O.D. over insulation/semi-con** (mm)	Bushing #
0.961 - 0.985	24.41 - 25.02	WS 6-1.000	1.436 - 1.460	36.47 - 37.08	WS 6-1.475
0.986 - 1.010	25.04 - 25.65	WS 6-1.025	1.461 - 1.485	37.11 - 37.72	WS 6-1.500
1.011 - 1.035	25.68 - 26.29	WS 6-1.050	1.486 - 1.510	37.74 - 38.35	WS 6-1.525
1.036 - 1.060	26.31 - 26.92	WS 6-1.075	1.511 - 1.535	38.38 - 38.99	WS 6-1.550
1.061 - 1.085	26.95 - 27.56	WS 6-1.100	1.536 - 1.560	39.01 - 39.62	WS 6-1.575
1.086 - 1.110	27.58 - 28.19	WS 6-1.125	1.561 - 1.585	39.65 - 40.26	WS 6-1.600
1.111 - 1.135	28.22 - 28.83	WS 6-1.150	1.586 - 1.610	40.28 - 40.89	WS 6-1.625
1.136 - 1.160	28.85 - 29.46	WS 6-1.175	1.611 - 1.635	40.92 - 41.53	WS 6-1.650
1.161 - 1.185	29.49 - 30.10	WS 6-1.200	1.636 - 1.660	41.55 - 42.16	WS 6-1.675
1.186 - 1.210	30.12 - 30.73	WS 6-1.225	1.661 - 1.685	42.19 - 42.80	WS 6-1.700
1.211 - 1.235	30.76 - 31.37	WS 6-1.250	1.686 - 1.710	42.82 - 43.43	WS 6-1.725
1.236 - 1.260	31.39 - 32.00	WS 6-1.275	1.711 - 1.735	43.46 - 44.07	WS 6-1.750
1.261 - 1.285	32.03 - 32.64	WS 6-1.300	1.736 - 1.760	44.09 - 44.70	WS 6-1.775
1.286 - 1.310	32.66 - 33.27	WS 6-1.325	1.761 - 1.785	44.73 - 45.34	WS 6-1.800
1.311 - 1.335	33.30 - 33.91	WS 6-1.350	1.786 - 1.810	45.36 - 45.97	WS 6-1.825
1.336 - 1.360	33.93 - 35.54	WS 6-1.375	1.811 - 1.835	46.00 - 46.61	WS 6-1.850
1.361 - 1.385	34.57 - 35.18	WS 6-1.400	1.836 - 1.860	46.63 - 47.24	WS 6-1.875
1.386 - 1.410	35.20 - 35.81	WS 6-1.425	1.861 - 1.885	47.27 - 47.88	WS 6-1.900
1.411 - 1.435	35.84 - 36.45	WS 6-1.450			

WA1 Adapter
Part No. 12920

SW2 Ratchet Wrench
Part No. 10500

WA3 Adapter
Part No. 12930

WS 6 Drill Stop Bar
Part No. 12953

WA-3 Drill Stop Bar
Part No. 12954

WARRANTY: RIPLEY warrants its products against defective materials and workmanship for a period of one year from date of shipment from the RIPLEY factory provided the product is utilized in accordance with instructions and specified ratings.

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