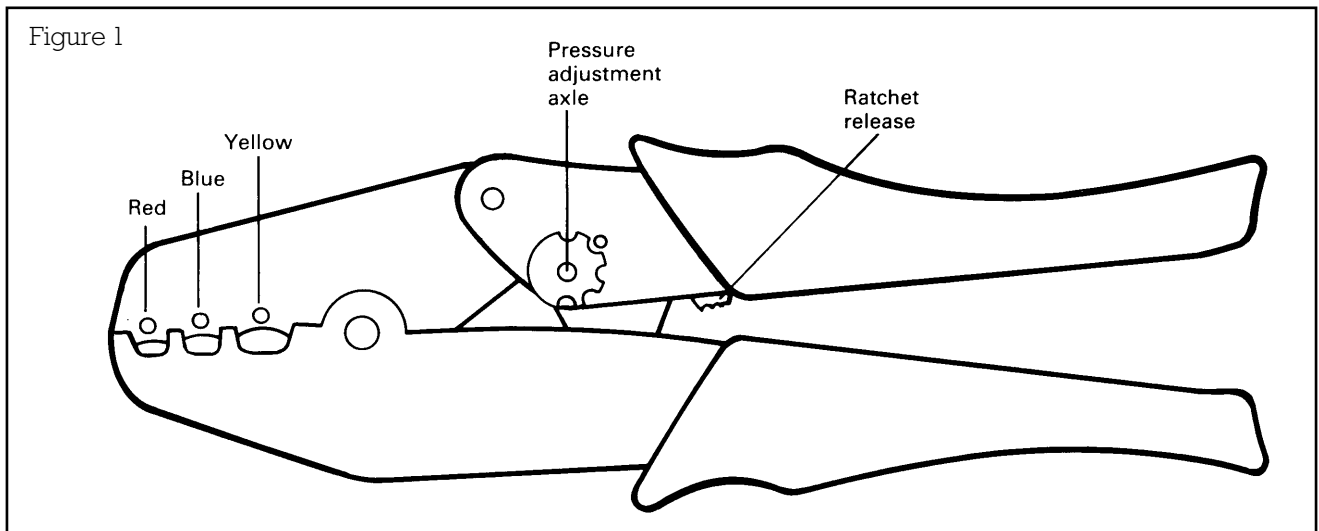




# Data Sheet

## Crimp terminal hand tool

RS stock number 533-279



Choose the correct size insulated crimp connector for the wire size being used. Insert pre-stripped wire into the connector and place the barrel into the corresponding colour position in the crimp tool. Close the handles together whilst maintaining connector alignment. The ratchet action ensures that a full crimp is made with every complete closure of the jaws. In

normal operation the ratchet will release only when the jaws have been fully closed. The jaws cannot be closed again until the handles have been fully opened.

A ratchet release is provided to open the jaws should a connector jam the tool. To operate: maintain pressure on the handles, push the release mechanism forward and hold until the handles have fully opened.

### Wire sizes

Full cycle ratchet crimp tool for use on RS pre-insulated terminals, ie. colour coded Red, Yellow and Blue.

Cable ranges:	Red	- 0.75mm <sup>2</sup>	to 1.5mm <sup>2</sup>
	Blue	- 1.5mm <sup>2</sup>	to 2.5mm <sup>2</sup>
	Yellow	- 4.0mm <sup>2</sup>	to 6.0mm <sup>2</sup>

### Maintenance instructions

To maintain a good function and long life:

**AXLES AND OTHER MOVABLE PARTS SHOULD BE REGULARLY LUBRICATED!**

Lubrication\* is recommended:

- at least every 10,000 cycles
- whenever tool is exposed to dirt or other contaminants.

Adjustment of the crimping die nests should also be checked. Readjustment of the pressure adjustment axle is necessary when the pre-load of the tool decreases significantly.

\* Use a light mineral-free oil.

## How to adjust

1. Remove the hexagon screw from the pressure adjustment axle with a 2mm hexagon wrench (Figure 1).
2. Lift off the toothed washer.
3. Turn the pressure adjustment axle counter-clockwise for maximum jaw pressure. Position 9 on the toothed washer is maximum and position 1 is minimum.
4. Replace the toothed washer and screw.
5. Check pre-load to ensure it is approximately the same as when the tool was new ie. 36-44lb, then die nests are in proper adjustment (see notes).
6. Repeat 3 to 5 until satisfactory pre-load is obtained.

### Notes:

1. Pre-load is the force applied to the handle in order to release handle mechanism when the tool is not under load, ie. to complete crimp cycle when there is no connector in the tool.
2. Go/No-go gauges for checking tolerances of die nests are as follows:
3. This crimp tool meets the Swedish standard SEN 245010.
4. Under standard SEN 245010 the 'pull-off' force required is as follows:

Colour	Go	No-go
Red	2.20mm	2.40mm
Blue	2.65mm	2.85mm
Yellow	3.35mm	3.55mm

Cable size mm <sup>2</sup>	Min pull off force (Newtons)	Average initial pull off force (Newtons)
0.75	113	163
1.00	150	180
1.50	225	410
2.50	375	678
4.00	600	1006
6.00	900	1176

To ensure compliancy with BS4579 the actual breaking load of the cable must be obtained from the cable supplier.

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