



SHROPSHIRE

Fire and Rescue Service

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**BRIGADE ORDER
TECHNICAL
NO. 4**

PART 3

HOSEREEL TUBING

PART 3 – HOSEREEL TUBING

PURPOSE

To provide technical information and guidance in the use of the hosereel tubing.

When dealing with small outbreaks of fire, the equipment most used is the hosereel. It possesses considerable advantages, the more important being:-

- It is ready for use immediately the appliance draws up at the fire.
- The jet can be controlled at the nozzle and water damage kept to a minimum.
- The hose is coiled on a revolving drum from which only as much as is required need be run out.
- A charged hosereel hose is considerably lighter and easier to handle than normal delivery hose

STRATEGIC AIMS AND OBJECTIVES

Strategic Aim 3 “Secure the highest level of safety and welfare for all staff by providing effective supervision, training, equipment and systems of work.”

Associated Corporate Objective 6: We will “Maintain and improve the health, safety and welfare of all employees”.

ROLES, RESPONSIBILITIES AND REVIEW

The **Asset Procurement Manager** is responsible for ensuring this Order is implemented across the Brigade.

The **Officers in Charge** will be responsible for the day to day operation of the Order.

The **Operational Equipment Officer** will review this order annually in *February* and as and when organisational changes take place.

DESCRIPTION

Hosereel tubing is a non-percolating delivery hose of 19mm internal diameter, carried on a rotating drum on appliances. It is flexible and does not flatten when coiled on the drum.

ISSUE AND LOCATION

All pumping appliances have two hose reels each comprising 3 x 20 metre lengths of hosereel tubing.

RESERVE STOCK

A minimum of six 20m lengths will be kept in the reserve hose store on Shrewsbury fire station.

USE

Hosereel tubing is ideally used on small fires.

Pump operators should always adopt an approximate pressure of 20 bar whenever a hosereel is in use. The pressure can be increased to 35 bar maximum without damage to the pump. When operating at maximum pressure most of the hose reel must be pulled off the drum to avoid the drum jamming due to the considerable back pressure caused by water hammer.

High pressure settings are completely dependent on the commitment of the low pressure side of the pump.

SAFETY

Because of their small diameter, hosereels may not be seen easily on the ground at incidents. Firefighters should be aware of their being in use and the possibility of trip hazards.

HOSEREEL TEST PROCEDURE

Hosereel assemblies shall undergo an annual visual inspection over the whole of their length and, if satisfactory, shall subsequently be tested to a test pressure of 40 bar, and maintained at that pressure for one minute.

The whole of the hosereel tubing must be laid out for inspection and test. Coils on the drums at test pressure will cause flexing of tubing and may result in couplings becoming loose or even detached.