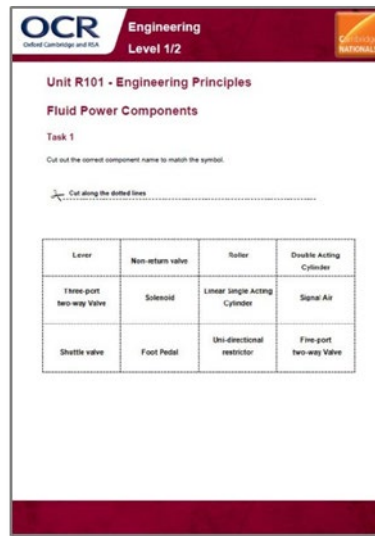


## Unit R101 – Engineering principles

### Fluid power components

#### *Instructions and answers for teachers*

*These instructions should accompany the OCR resource ‘Fluid power components’ activity which supports OCR Cambridge Nationals in Engineering.*



#### **The Activity:**

This resource comprises of 1 task.



*This activity offers an opportunity for maths skills development.*

#### **Associated materials:**

‘Fluid power components’ activity sheet

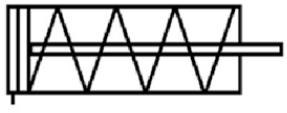

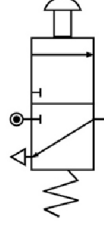
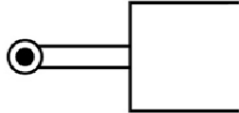
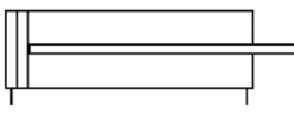

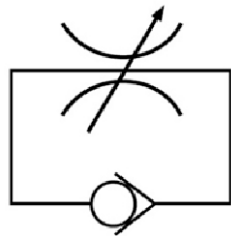
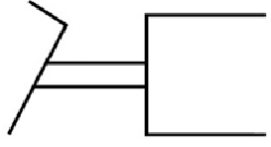

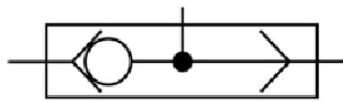
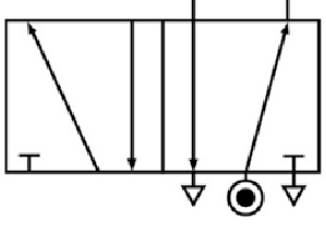
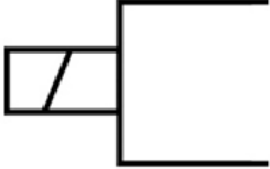
The tasks are best completed individually by learners.

#### **Suggested timings:**

**Task 1:** 30 minutes

**Task 1**

Cut out the correct component name to match the symbol.

 <p data-bbox="223 705 534 795"><b>Linear Single Acting Cylinder</b></p>	 <p data-bbox="638 728 965 795"><b>Non-return valve</b></p>	 <p data-bbox="1093 705 1428 795"><b>Three-port two-way Valve</b></p>
 <p data-bbox="207 1142 534 1209"><b>Roller</b></p>	 <p data-bbox="638 1120 965 1198"><b>Double Acting Cylinder</b></p>	 <p data-bbox="1093 1142 1412 1209"><b>Lever</b></p>
 <p data-bbox="207 1534 534 1612"><b>Uni-directional restrictor</b></p>	 <p data-bbox="630 1556 965 1612"><b>Foot Pedal</b></p>	 <p data-bbox="1077 1556 1412 1612"><b>Signal Air</b></p>
 <p data-bbox="183 1960 518 2016"><b>Shuttle valve</b></p>	 <p data-bbox="638 1937 973 2016"><b>Five-port two-way Valve</b></p>	 <p data-bbox="1093 1960 1428 2016"><b>Solenoid</b></p>



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