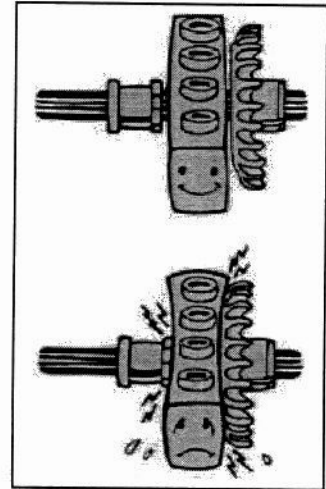
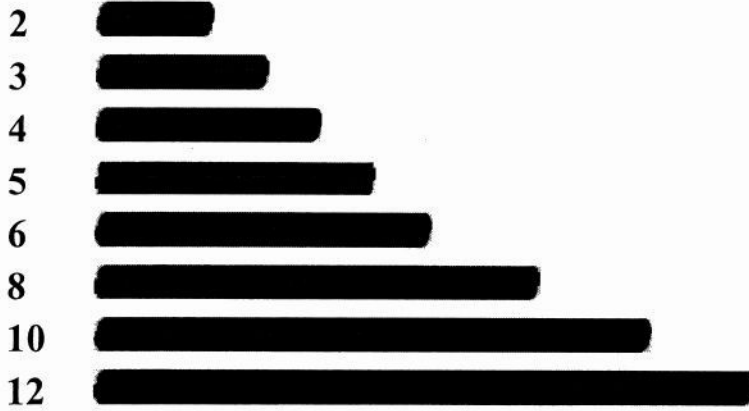
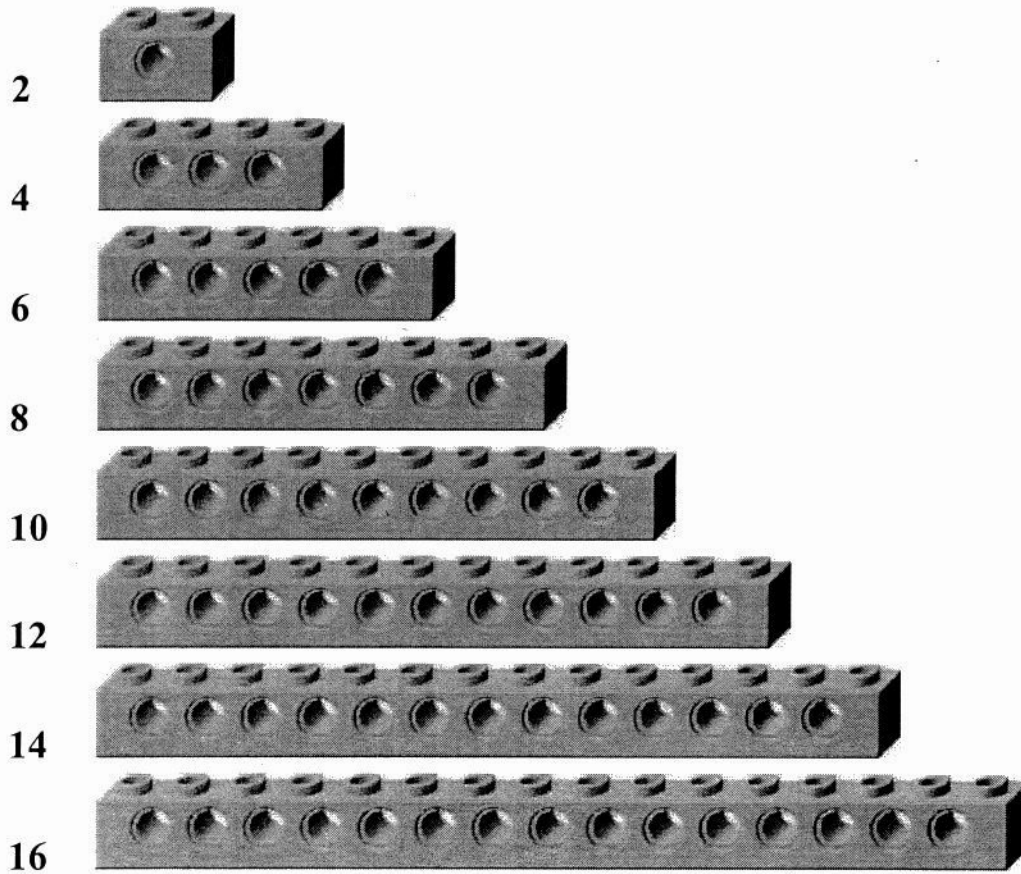


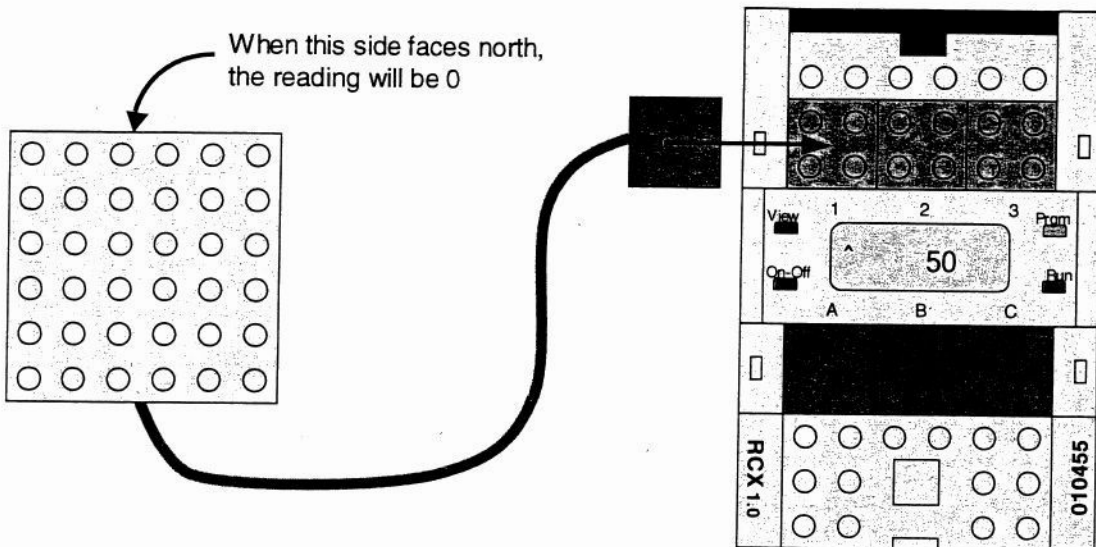
## Achsen



## Steine



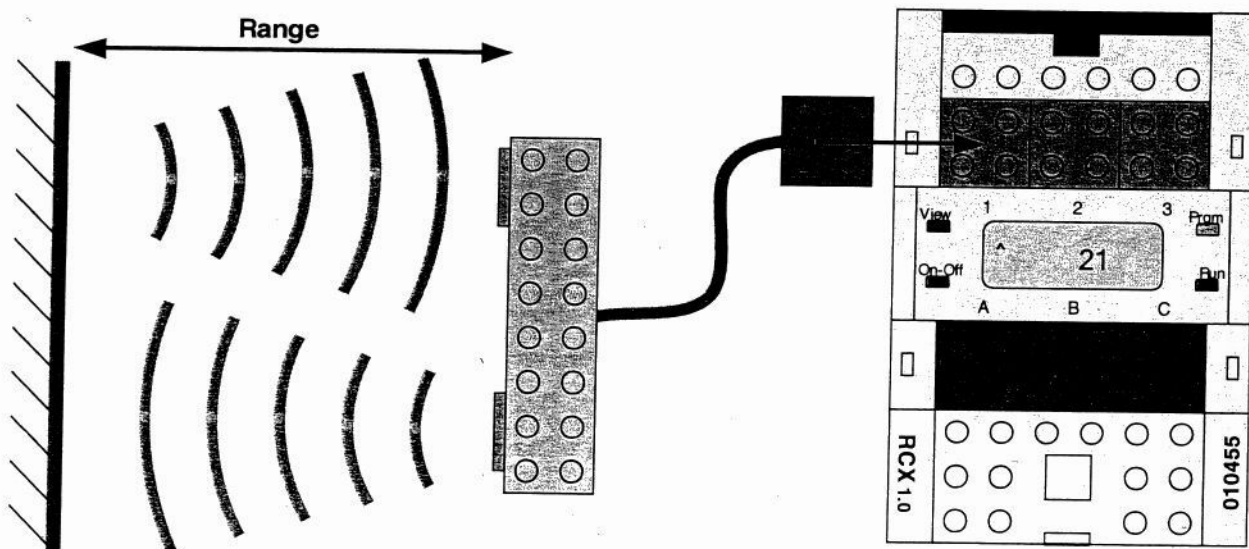
## HiTechnic Compass Sensor



Attach the Compass Sensor as shown. The sensor port should be set to light sensor mode. With the Lego firmware loaded, use the View button to select the port and observe the value displayed. The direction relative to magnetic north is displayed on a scale of 0 – 100 representing 0 – 360 degrees. The sensor updates its reading about 6 times per second. The sensor is supplied with a slightly longer than usual wire so that it can be placed further from the RCX and any motors. The sensor must be operated in a horizontal position.

If you have any questions, email us at [info@hitechnicstuff.com](mailto:info@hitechnicstuff.com) or visit [www.hitechnicstuff.com](http://www.hitechnicstuff.com)

## HiTechnic Ultrasonic Range Sensor



Attach the Ultrasonic Range Sensor as shown. The sensor port should be set to light sensor mode. With the Lego firmware loaded, use the View button to select the port and observe the value displayed. The distance to the target surface is the range as follows;

$$\text{Range} = (\text{Reading} / 2) + 6 \text{ inches}$$

In the example shown the range is 16.5 inches ( $21/2 + 6$ ). The sensor actually measures in half inch increments beyond the first six inches.

If you have any questions, email us at [info@hitechnicstuff.com](mailto:info@hitechnicstuff.com) or visit [www.hitechnicstuff.com](http://www.hitechnicstuff.com)