

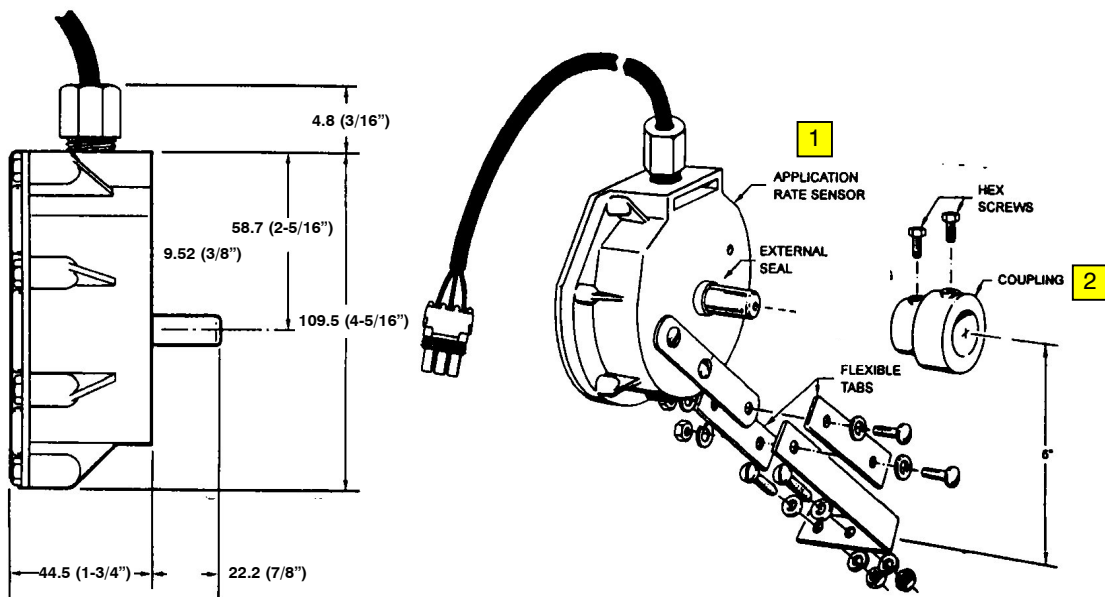


## Description

The RDS 360PPR Shaft Encoder is to be installed on the conveyor hydraulic motor output shaft (if accessible). If not, the Encoder can be installed on any shaft which rotates at a known gear ratio in relationship to the hydraulic motor speed (auger or conveyor shaft).

The Encoder is secured to the end of the shaft with a coupling. (The sensor is completely supported by the coupling and sensor shaft.) The mounting bracket and flexible tabs are used to prevent the sensor body from rotating.

**NOTE:** The coupling supplied will adapt the 9.52mm (3/8") encoder shaft onto a 15.87mm (5/8") shaft. The additional small plastic bushing supplied is not used.



Item	Part Number	Description	Qty
1	S//SR/500-2-035	Shaft Encoder with Mounting kit	1
2	S/FX/268-6-015	Encoder Coupling	1

## Installation



**The Shaft Encoder is to be mounted “free floating” and MUST NOT BE MOUNTED RIGIDLY.**

Refer to the above illustration and install the sensor as follows:

1. Grease the end of the shaft where the coupling will be installed, then install the coupling on the shaft and secure with a retaining pin.

**NOTE:** The small plastic bushing supplied in the kit is not required for installation.

3. Partially fill the coupling with grease and install the sensor shaft into the coupling. Make sure not to touch the external seal with the bushing. Secure the coupling to the sensor shaft with the other hex screw provided.
4. Install the mounting bracket and flexible tabs as shown in the illustration to prevent the sensor from rotating.
5. Connect the Shaft Encoder (3-pin Weather-pack) connector to the main harness connector.
6. Secure the sensor cable in place using tie wraps.