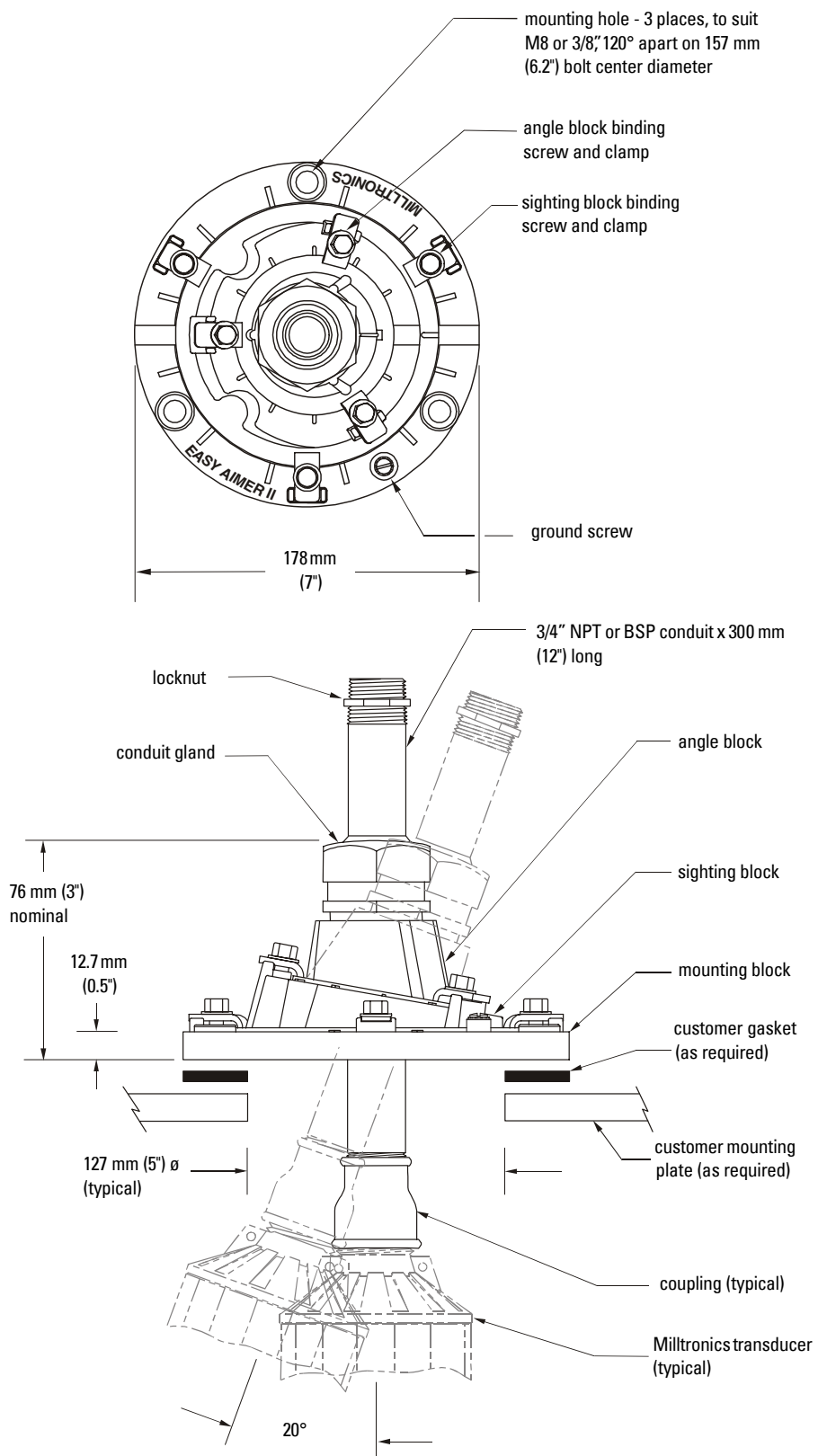


Easy Aimer - 2

The Easy Aimer is an accessory device for aiming Milltronics ultrasonic transducers used in process material level measurement.

Assembly

1. Feed the transducer cable through the supplied coupling and conduit. Then assemble the transducer, coupling and conduit as shown. If the transducer diameter is greater than 148 mm (5.8"), include the customer mounting plate. If sealing is required, include the customer gasket.
2. Feed the conduit through the center hole of the Easy Aimer until the conduit is at the desired point within the Easy Aimer (typically midway).
3. Tighten the conduit gland to secure the conduit and transducer assembly in place.
4. Install the supplied locknut as shown, and complete the conduit installation.



Application

In solids applications, the transducer is generally mounted so that it is aimed toward the low level draw point. The sighting block can be rotated through 360° with the transducer angled at 0 to 20° off vertical.

The location of the Easy Aimer should be such that the transducer's sound path is unobstructed and away from fill points.

The Easy Aimer is capable of withstanding 15 psi (North America) or 0.5 bar (Europe) gauge pressure with proper installation and has a temperature rating from -40°C to 105°C (-40°F to 220°F).

The Easy Aimer must be mounted to an access plate with welded studs or to a flange in order to isolate the mounting holes from the pressurized environment.

Installation and Aiming

1. Install the Easy Aimer and transducer assembly by bolting the mounting block directly to the bin or via a mounting plate.
2. Leaving the sighting block binding screws fastened, loosen the angle block binding screws. Rotated the angle block until the transducer is pointing at the desired angle.

Refasten angle block binding screws.

3. Loosen the sighting block binding screws and rotate sighting block until the transducer is pointing in the desired direction. Sighting reference graduations on the mounting block are 30° apart.

Refasten sighting block binding screws.

