This installation sheet covers three accessories for Fairbanks floor scales--Bolt-down plates, ramps, and bumper guards. Other accessory installation instructions are covered in the appropriate floor scale manual.

Bolt-down Plates: The bolt-down accessory consists of either two (2) or four (4) stainless steel bolt-down plates and either four (4) or eight (8) 3/8" x 5" anchor bolts. Bolt-down plates are available in stainless steel and mild steel.

Ramp accessories: Each ramp accessory consists of one (1) ramp, two (2) integral bolt-down plates, and four (4) 3/8" x 5" anchor bolts. Ramps are available in stainless steel or mild steel.

Mild steel ramps	Stainless steel ramps
30" ramp, 30" x 30" x 3.0" - 5°	30" ramp, 30" x 30" x 3.0" - 5°
3' ramp, 36" x 30" x 3.0" - 5°	3' ramp, 36" x 30" x 3.0" - 5°
4' ramp, 48" x 30" x 3.0" - 5°	4' ramp, 48" x 30" x 3.0" - 5°
4' ramp, 48" x 48" x 3.0" - 3.5°	4' ramp, 48" x 48" x 3.0" - 3.5°
5' ramp, 60" x 30" x 3.0" - 5°	5' ramp, 60" x 30" x 3.0" - 5°
5' ramp, 60" x 48" x 3.0" – 3.5°	5' ramp, 60" x 48" x 3.0" – 3.5°
6' ramp, 72" x 30" x 3.0" - 5°	6' ramp, 72" x 30" x 3.0" - 5°

Bumper Guard Accessories: Bumper guards are used when only the platform needs to be protected from approaching traffic. The bumper guard bolts into the floor on the side of the platform. Bumper guards are made in both mild steel and stainless steel and are supplied with anchor bolts. Bolt-down plates must be used when bumper guards are installed. **Bumpers are intended for no more than two (2) sides of the scale.**

Mild steel bumper guard	Stainless steel bumper guard
3' bumper guard	3' bumper guard
4' bumper guard	4' bumper guard
5' bumper guard	5' bumper guard
6' bumper guard – two (2) 3' guards	6' bumper guard – two (2) 3' guards
7' bumper guard – one (1) 3' and one (1) 4' guard	7' bumper guard – one (1) 3' and one (1) 4' guard
8' bumper guard – two (2) 4' guards	8' bumper guard – two (2) 4' guards

Installation of bolt-down plates: Bolt-down plates are used when the scale is to be placed on the floor and there is a need to prevent the scale from moving as loads are put on and taken off the scale. The bolt-down plates are bolted to the floor at each of the feet. To install the bolt-down plates:

1. Place the platform in the appropriate location.
2. Either two (2) or four (4) bolt-down plates are shipped as a set. Place the bolt-down plate so that the curved cut-out is against the round base of the foot. The edge of the plate will extend outside the edge of the platform.
3. Use the bolt-down plate as a template to mark the holes for the anchor bolts.
4. Drill the anchor bolt holes using a 3/8" bit, 5" deep.
5. WITH THE NUT IN PLACE ON THE ANCHOR BOLT, tap the bolt into the hole. Remove the nuts and place the bolt-down plate on the bolts. Place a washer on the bolt and replace the nut.
6. Tighten the nuts to secure the bolt-down plates. Repeat this process for each plate.

Installation of ramps: One or two ramps may be installed on a platform.

One-ramp installation: The ramp is designed with two (2) integral bolt-down plates on the ramp. Two (2) additional bolt-down plates are installed on the opposite side.

Two-ramp installation: With two ramps, no additional bolt-down plates are needed.

1. Place the platform in the appropriate position.

2. Place the ramp or ramps in the position where they will be installed.

3. For a one-ramp installation, use two (2) regular bolt-down plates for the feet OPPOSITE the ramp. For a two-ramp installation, no additional bolt-down plates are needed.

4. Mark the anchor bolt holes using the bolt-down plates as a template.

5. Drill the anchor bolt holes using a 3/8" bit, 5" deep.

6. WITH THE NUT IN PLACE ON THE ANCHOR BOLT, tap the bolt into the hole. Remove the nuts and place the bolt-down plate/ramps on the bolts. Place a washer on the bolt and replace the nut.

7. Tighten the nuts to secure the bolt-down plates/ramps. Repeat this process for each plate.

Bumper Guards: Bumper guards are installed to keep vehicles from hitting the side of the scale platform when loads are moved on or off the scale. A platform that is equipped with bumper guards should be held in place with regular bolt-down plates. To install the bumper guards:

1. Locate the platform.

2. Decide the location of the bumper guards. The bumper guards should be located on the side(s) of the platform that will be approached by the forklifts.

3. Locate the bolt-down plates in such a way that the anchor bolt holes are on the side away from the bumper guard.

4. Install the bolt-down plates.

5. Place the bumper guard so there is at least ½" clearance between the guard and the platform. If the guard must be installed on the same side as the bolt-down plates, butt the guard against the bolt-down plate. Mark the anchor bolt holes for the bumper guard. Drill the anchor bolt holes using a 3/8" bit, 5" deep.

6. Install the anchor bolts for the bumper guard and tighten the nuts.

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