

Installation Instructions

3500SRS Round and 3500SOS Oval

Pre-Configured Stainless Steel Handrail

Please read all instructions before installing handrail.

Install product in environmentally controlled conditions. Acclimate the handrail to room temperature 24 hours before installation. When storing straight lengths of materials, lay product flat on a supported surface. Do not lean the rails or lay them on unsupported parallel saw horses.

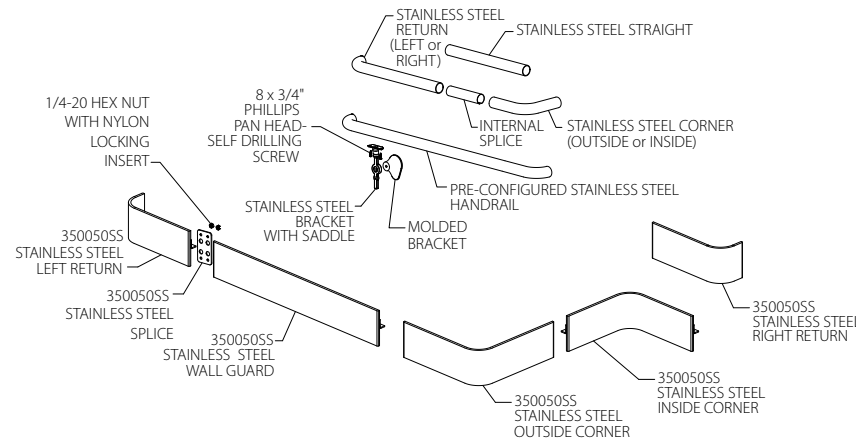


FIG. 1

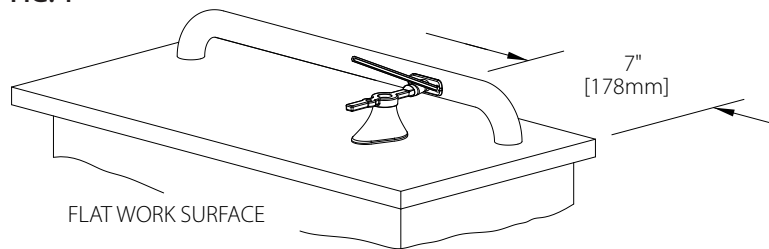


FIG. 2

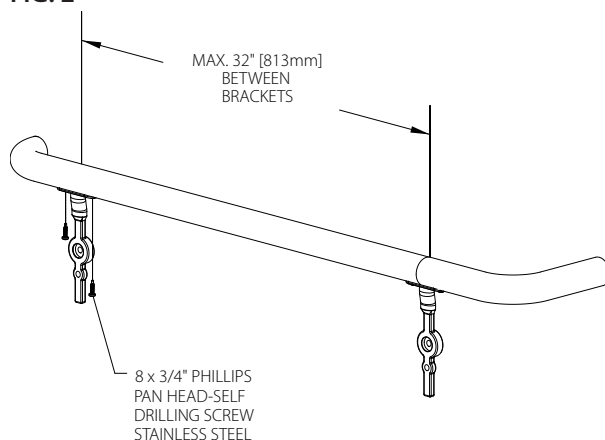


FIG. 3a

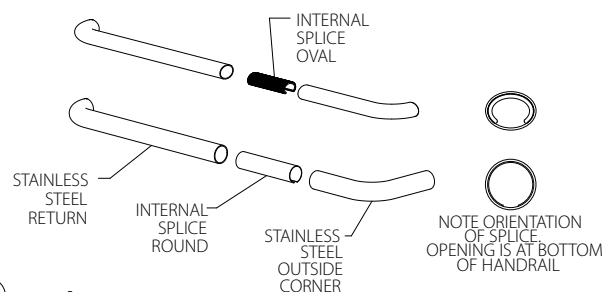


FIG. 3b

1. Locate brackets 7" (178mm) from the end of the return and spaced a maximum of 32" [813mm] (813mm). Using a bracket extension as a template, mark and drill holes on the bottom of the stainless steel handrail for the bracket saddle. See Fig. 1. Drill holes with a High-Speed Steel Jobbers' Drill Bit for Stainless Steel. McMaster-Carr #3020A14, 9/64" [3.5mm] drill bit. (Inpro supplied).
2. Attach the brackets to the rail using two #8-x 3/4" [19mm] Phillips Pan-head self-drilling screws per bracket. See Fig. 2.
3. When joining longer sections of handrail or connecting straight lengths to corners use a splice. See Fig. 3a.
 - a. Use two part epoxy to secure the splice. Apply epoxy to the inside area of the handrail. Immediately compress the splice and slide it halfway into the handrail.
 - b. Apply epoxy into the inside area of the adjoining handrail section. Immediately slide the adjoining piece over the splice, push it to abut the handrail section. Make sure returns and corners are aligned properly.
 - c. Straddle bracket saddle equally on either side of splice. See Fig. 3b.

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FIG. 4

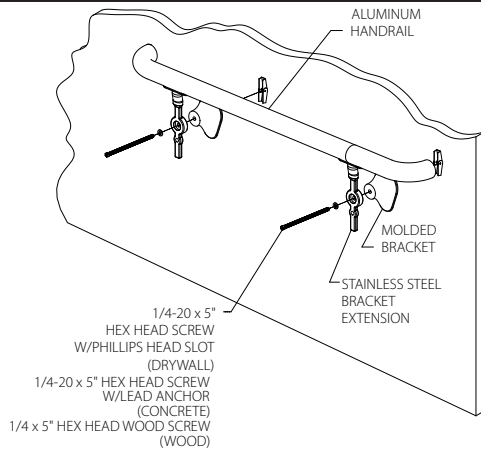


FIG. 5a FIG. 7a

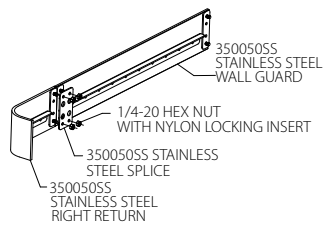


FIG. 5b

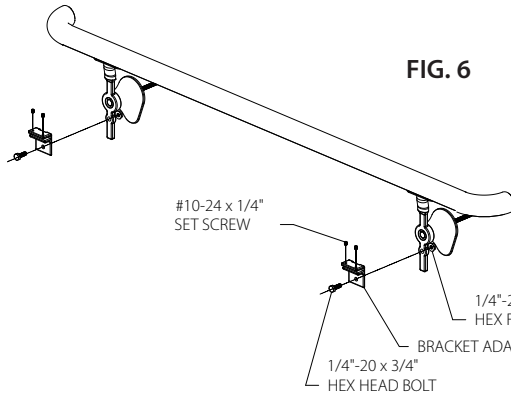
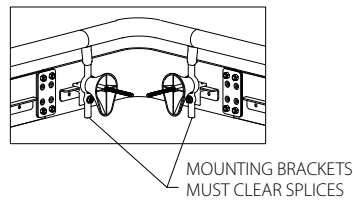
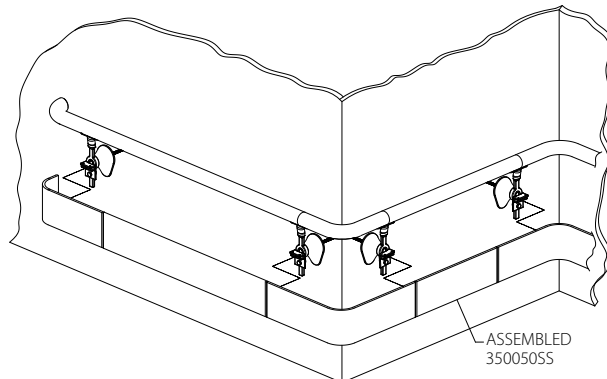


FIG. 7a



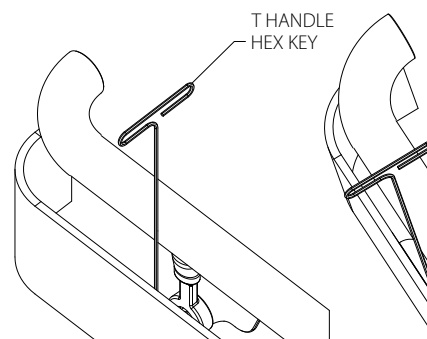
4. Snap a chalk line on the wall 4-5/8" [119mm] for round and 4-3/8" [110mm] below the top of the handrail. Drill 3/4" [19mm] holes for toggle bolts (drywall/metal stud installation), 1/2" [13mm] holes for lead anchor (concrete wall installation), 1/8" [3mm] pilot hole (wood screw into wood studs). Attach the molded bracket and stainless steel bracket extension/handrail assembly to the wall. See Fig. 4.

5. Attach the wall guard returns and corners to the straight lengths using splices. Align mating pieces and fit splice plate over 4 studs. Fasten 1/4 hex nut with nylon locking insert, using a 7/16 wrench or socket set. See Fig. 5a. When determining handrail bracket extension locations, brackets must be clear of splice location. See Fig. 5b.

6. Attach bracket adapters to the stainless steel bracket extensions, 1/4-20 x 3/4" [19mm] hex head bolt and serrated hex flange nut. Level the adapters. See Fig. 6.

7. Lift the wall guard assembly into position on the bracket adapters. See Fig. 7a. Secure using two set screws in each adapter. See Fig. 7b.

FIG. 7b



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