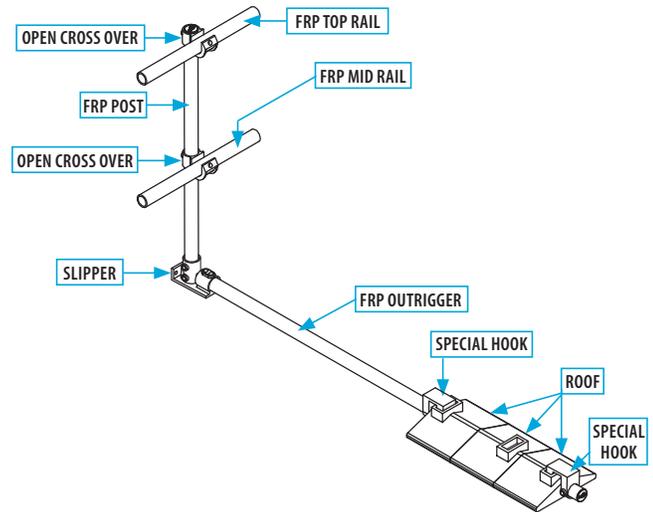


PRODUCT DATA SHEET

DYNAROUND RG™ (ROOF GUARD)

Fibergrate's ballasted rooftop guardrail system, DynaRound RG™, is designed for safety and fall protection on rooftop applications. Each system is made of durable, weather-resistant fiberglass reinforced plastic (FRP) composite uprights and non-FRP counterbalance weights and connector components. This system meets applicable safety standards in the U.S. and Canada to protect people working at heights.

DynaRound RG provides the utmost in safety by protecting against injuries or death from accidental falls from the roof. This system will help you meet OSHA regulations 1910.29(b)(1) through (b)(7) for unprotected sides and edges. This system also meets Section 4.1.5.14(1)(b) of the 2015 National Building Code of Canada. It offers superior protection around rooftop mechanical equipment that is within 10 feet of a roof edge, enabling your roof to comply with provision 1015.6 of the International Building Code. The counterweight system means there is no drilling into the roof to attach the system. This eliminates any damage to the roof that could result from the drilling, including potential sources of leaks.



BENEFITS



Lightweight: Fibergrate FRP products lessen impact on rooftop installations, reduce installation time, can eliminate the need for heavy lifting equipment, and reduce shipping costs.



Long Service Life: Fiberglass products provide outstanding durability and corrosion resistance in demanding applications, providing improved product life over traditional materials.



UV Resistant: UV Inhibitors in the resin matrix, along with a synthetic surfacing veil, provide optimum protection from the effect of UV weathering. In addition, the FRP rails, posts, and outriggers have an additional UV coating suitable for intense UV exposure.



Low Install Cost: Prefabricated FRP components and connectors using set screws for assembly eliminate drilling and almost all field cutting for a rapid, clean installation.



Corrosion Resistant: Fibergrate® fiberglass products are known for their ability to provide corrosion resistance in the harshest environments.



Low Maintenance: The corrosion resistant properties of FRP are easy to clean and reduce or eliminate the need for sandblasting, scraping and painting.

SPECIFICATIONS

Safety Ratings

OSHA Requirements:

- 1926.501(b)(1)
- 1910.28(b)(1)
- 1926.502(b)
- 1910.29(b)

CAL/OSHA Requirements:

- 3210
- 1620
- 3212
- 3209

IBC 2018 Requirements:

- 1015.3
- 1607.8.1 - (Modified system required)
- 1015.4.4
- 1607.8.1.1
- 1015.7
- 1607.8.1.2

National Building Code of Canada 2015

- 4.1.5.14
- 9.8.8.2

OH&S

- R.R.O. 1990, Reg. 851, s. 13 & 14

Materials of Construction

Rails, posts, and outriggers:

- VEFR (Vinyl ester resin system with a flame spread of 25 or less for dependable resistance to both acidic and alkaline environments)

Fittings and Counterbalance Weights:

- Galvanized, cast iron connectors with set screws
- Protective, durable rubber pads on parts that contact roof surface

Size

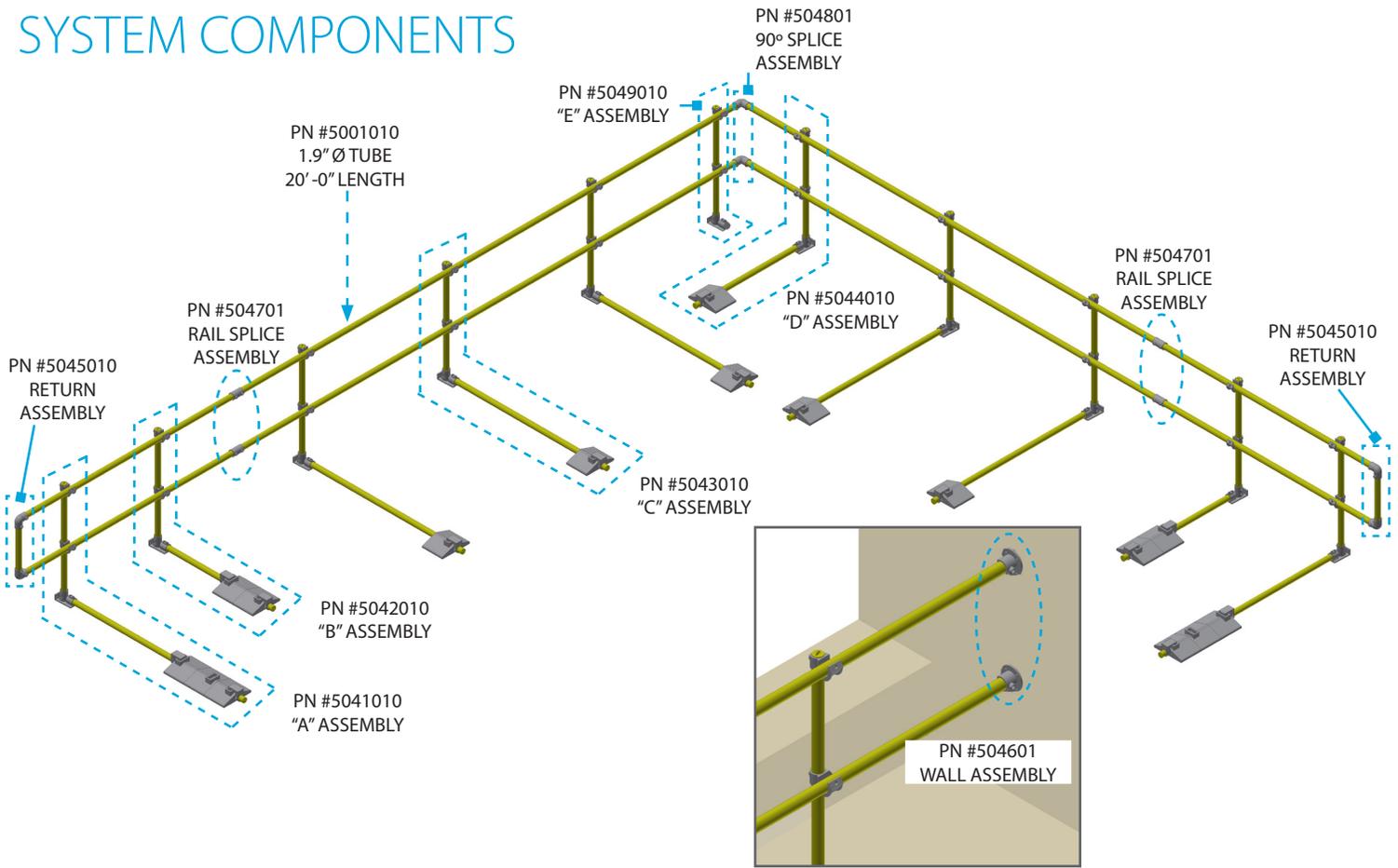
- 1.9" O.D. Pultruded Round Tube

Colors

Yellow with UV Coating

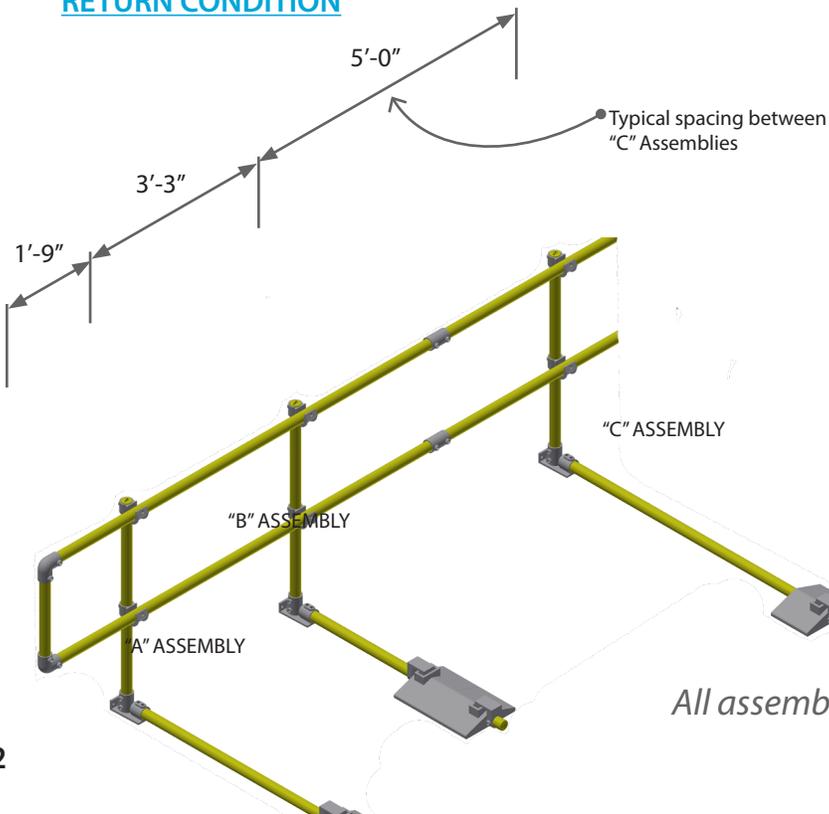
Light Gray with UV Coating

SYSTEM COMPONENTS

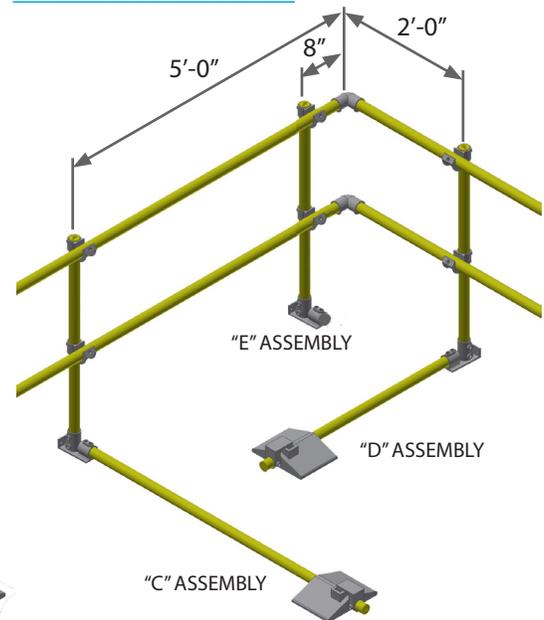


TYPICAL SPACING FOR ASSEMBLIES

RETURN CONDITION



CORNER CONDITION



All assembly details can be found on the next page.

PRODUCT DATA SHEET

ASSEMBLY DETAILS

"A" ASSEMBLY ITEM #5041010		
Weight = 147 lbs		
DESCRIPTION	QTY	PN #
Post	1	5040010
Open Cross Over	2	793201
Slipper	1	793206
Roof Weight	3	793208
Special Hook	2	793207
A Outrigger (Length: 73")	1	5041110

"B" ASSEMBLY ITEM #5042010		
Weight = 105 lbs		
DESCRIPTION	QTY	PN #
Post	1	5040010
Open Cross Over	2	793201
Slipper	1	793206
Roof Weight	2	793208
Special Hook	2	793207
B Outrigger (Length: 46-1/2")	1	5042110

"C" ASSEMBLY ITEM #5043010		
Weight = 65 lbs		
DESCRIPTION	QTY	PN #
Post	1	5040010
Open Cross Over	2	793201
Slipper	1	793206
Roof Weight	1	793208
Special Hook	1	793207
C Outrigger (Length: 66")	1	5043110

"D" ASSEMBLY ITEM #5044010		
Weight = 62 lbs		
DESCRIPTION	QTY	PN #
Post	1	5040010
Open Cross Over	2	793201
Slipper	1	793206
Roof Weight	1	793208
Special Hook	1	793207
D Outrigger (Length: 43")	1	5044110

"E" ASSEMBLY ITEM #5049010		
Weight = 15 lbs		
DESCRIPTION	QTY	PN #
Post	1	5040010
Open Cross Over	2	793201
Slipper	1	793206

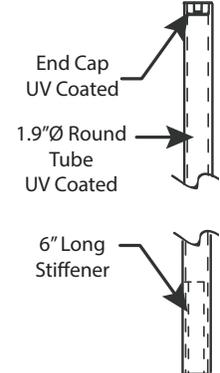
RETURN ASSEMBLY ITEM #5045010		
Weight = 6 lbs		
DESCRIPTION	QTY	PN #
Return (Length: 21-1/16")	1	5045110
Two Way Elbow	2	793125

WALL ASSEMBLY ITEM #504601		
Weight = 4 lbs		
DESCRIPTION	QTY	PN #
Base Flange	2	793131

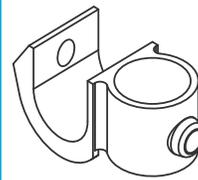
90° SPLICE ASSEMBLY ITEM #504801		
Weight = 4 lbs		
DESCRIPTION	QTY	PN #
Two Way Elbow	2	793125

RAIL SPLICE ASSEMBLY ITEM #504701		
Weight = 3 lbs		
DESCRIPTION	QTY	PN #
Sleeve Joint	2	793149

PN #5040010
POST
(Length=42-1/8")

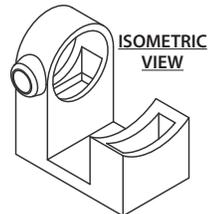


PN #793201
OPEN CROSS OVER



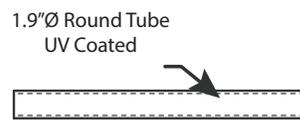
ISOMETRIC VIEW

PN #793207
SPECIAL HOOK*

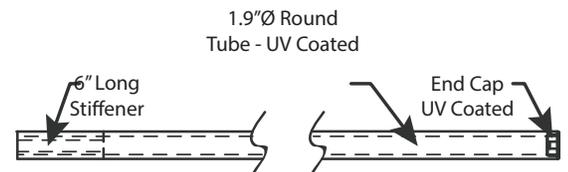


*Shown upside down

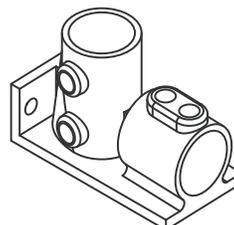
PN #5045110
RETURN (Length = 21-1/16")



OUTRIGGER -
SEE EACH ASSEMBLY DETAIL
FOR PN# LENGTHS

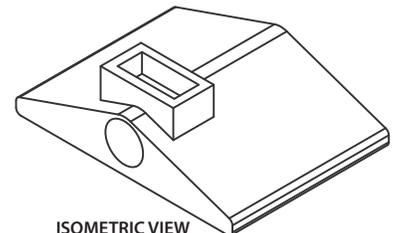


PN #793206
SLIPPER



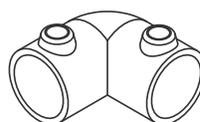
ISOMETRIC VIEW

PN #793208
ROOF WEIGHT



ISOMETRIC VIEW

PN #793125
TWO WAY ELBOW



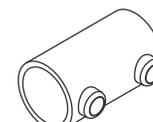
ISOMETRIC VIEW

PN #793131
BASE FLANGE



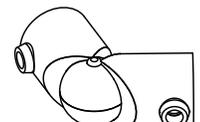
ISOMETRIC VIEW

PN #793149
SLEEVE JOINT



ISOMETRIC VIEW

PN #793126
SWIVEL ELBOW



ISOMETRIC VIEW