

# Grade Rings & Grade Ring Inserts

## Applications

Oreco's grade rings extend existing risers to needed lengths. Oreco's grade ring inserts connect sections of access riser pipe for strong, watertight bonding.



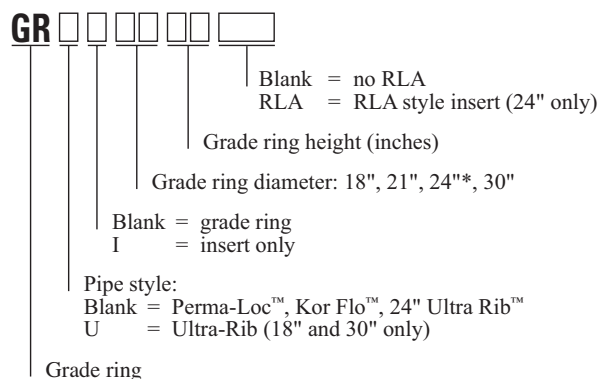
## General

An Oreco® grade ring is constructed of a section of PVC pipe with an insert affixed to its edge. The grade ring insert is bonded to the end of the riser to serve as a coupling. MA320 or ADH100 adhesive is used to bond grade ring inserts to riser pipes.

## Standard Models

See specifications chart below.

## Nomenclature



\*Use GR24XX for Perma-Loc, Ultra-Rib, and Kor Flo pipe without RLAs

## Materials of Construction

18" Grade ring inserts	PVC
21"-30" Grade ring inserts	ABS
Ribbed riser pipe	PVC

## Specifications

Grade Ring Inserts*	GRI18	GRI21	GRI24	GRI24RLA	GRI30	GRUI30
O.D. in. (mm)	18.70 (475)	20.75 (527)	23.50 (597)	23.50 (597)	29.25 (743)	29.25 (743)
Insert Thickness in. (mm)	0.30 (8)	0.25 (6)	0.25 (6)	0.25 (6)	0.20 (5)	0.20 (5)
Applications	For 18" Ultra-Rib™ pipe	For 21" Ultra-Rib and Perma-Loc™ pipe	For 24" Ultra-Rib, Perma-Loc, and Kor Flo™ pipe	For 24" with RLAs pipe	For 30" Perma-Loc pipe	For 30" Ultra-Rib

\* All inserts adapt to the I.D. of the riser, except the GRUI18, which adapts to the O.D. of the riser.

Specifications for pipe portion of grade rings can be found on access riser technical data sheets NTD-RLA-RR-1 and NTD-RLA-RR-2.