



DUFRANE NUCLEAR SHIELDING, INC.

125 Price Road ☞ Winsted, CT 06098
 Phone: (860) 379-2318 ☞ Fax (860) 379-2325
 Visit Us On The Web! www.dufrane.com ☞ Email: support@dufrane.com

DUFRANE NUCLEAR SHIELDING DESIGN: MODULAR/REUSABLE/COST EFFECTIVE

DRUM SHIELDS

DUFRANE has designed and delivered many Drum Shields over the years. We work closely with you, your site ALARA Coordinator, and your Engineering Group to assure the best design for your specific application. Materials of construction and their configurations vary. Typically, the shield media is chemical grade (99% pure) lead, encased within either stainless steel or carbon steel shells. If carbon steel is selected, all surfaces are painted with a rust inhibitive primer and finished with two coats of semi gloss paint.

The following describes examples of available design details for your consideration:



Cover Configurations:

Sliding covers, as shown below, are mounted with four, V-groove wheels. This configuration enables the cover to roll along stainless steel tracks on the body top plate. The cover may be locked in the closed position and secured fully open by a plate and bolt arrangement.

Fully removable covers are provided with centering guide plates and swing bolts for quick and repeatable placement using an overhead hoist. This cover may also be designed to incorporate part of the shield's body, such that the drum top is accessible to specific drum grabbers.

Shield Handling Options:

Many methods are available to move a Drum Shield from one area to another. A combination of the following may be incorporated to best suit your handling requirements:

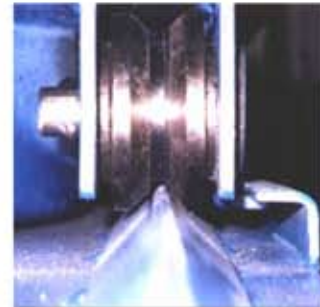
Lift lugs, are best for overhead hoist use.

Fork pockets are suited for transfer with a fork truck or burden carrier.

Heavy duty casters, when practical, allow movement over a flat floor area. A combination of two rigid and two swivel casters are provided for maximum control along with a push handle.

Shield thicknesses at the wall, base, and cover are determined to balance attenuation and overall weight concerns. Similar designs are available for Spent Filter Transfer Shields. Dufrane's Drum Shields can be fabricated to meet your desired lead equivalent shielding, height, weight, portability and floor space requirements. Please visit our new web page at www.dufrane.com.

At the time you anticipate the need for a Drum Shield or Filter Transfer Shield, please initiate a discussion with us.



You've Got a Problem...We've Got a Solution!