



### Machine Guards and Safety Bollards

All-welded construction. Mounting plate is 8" x 8" and predrilled with four  $\frac{7}{6}$ "-dia. x  $\frac{11}{4}$ " slotted holes. Steel with yellow powder-coat finish. Order Installation Kit 1F138 or 1F139 separately. 1GUD7 and 1GUD8 have  $\frac{10}{x}$  x 10" mounting plate and come with removable caps that can be concrete filled.

## **Safety Handrail System**

Yellow powder-coat finish

Round steel pipe system is 1%"D x 42"H, with 21" midrail. Installs and removes easily. Square system has %" slotted holes on 4" x 4" mounting plate. Use connector pieces to make 90° turns or length adjustments.

Description	Overall Length	Overall Height	Item No.
Round			
Handrail Castian Ctasl	48 in	42 in	2HER9
Handrail Section - Steel Pipe Construction	72 in	42 in	2HET1
Tipe Construction	96 in	42 in	2HET2
	24 in	42 in	5NPN2
	36 in	42 in	5NPN3
Handwill Castian Alimaianna	48 in	42 in	5NPN4
Handrail Section - Aluminum	60 in	42 in	5NPN5
Pipe Construction	72 in	42 in	5NPN6
	84 in	42 in	5NPN7
	96 in	42 in	5NPN8
Single Socket Mounting Base	5"	4 in	2HER7
Double Socket Mounting Base	71/2"	4 in	2HER8
Mounting Kit with Pkg. of 4, (4) 3/6 in OD x 3 in L Concrete Lag Bolts	3"	3% in	2HET3
Square			
Handrail Section	48 in	42 1/8 in	2HEK7
Hallurali Sectioni	96 in	42 1/8 in	2HEK8
Handrail Section w/ Toe Board	48 in	42 1/8 in	2HEK9
Hallurali Section W/ Toe Board	96 in	42 1/8 in	2HEN1
Connecting Rail	96 in	_	2HEN3
Corner Connector	8 % in	_	2HEN4







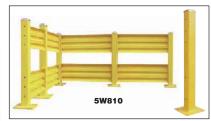


#### **Plastic Barriers**

33K166 links with other barriers for longer spans. Two of the wheels are lockable. 19N881 and 19N882 interconnect with each other.

Description Barricades	Overall Height	Overall Length	W	Color	Item No.
Expandable Barricade	37 in	132 in	Portable Barricade with 4 Wheels, 2 Are Lockable	Black/Yellow	33K166
Barrier Guards					
Plastic	39.75 in	77.5 in	231/4"	Yellow	19N881
Plastic	40 in	77 in	231/4"	Red	19N882





#### **Ribbed Guard Rails**

Combine as a modular system that can be installed, removed, or expanded. 1/8"-thick (11-ga.) galvanized steel for outdoor use. Industrial yellow powder-coat finish for indoor use only.

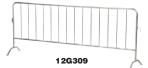
**Bolt-On Guard Rails**—Easy to assemble and install. Impact-resistant, 2- and 3-ribbed corrugated design have no sharp edges or corners. Galvanized construction resists corrosion.

**Lift-Out Rails**—Provide a strong barrier with easy accessibility. They have the same construction and profile as bolt-on rails, yet slide into post saddles for simple assembly. Each rail section includes two post saddles.

**Posts**—Two post heights come in both in-line and corner configurations for single-row (high) and double-row (high) installation. Posts are made of round-corner, 4" square steel tube with ¼"-thick walls, and are welded to a 10" square, round-corner 5%"-thick steel base plate. Include hardware, bolts, anchors, washers, and nuts.

	Overall	SAFETY YELLOW Item	Item	
Description	Height	No.	No.	
Bolt-On Guard Ra	alls			
2-Ribbed		EIFHE *		
1 ft	10 ½ in	DJEUD		
2 ft	10 in	DJEUD "		
3 ft	10 in	DJEU/ "		
4 ft	10 in	5JEU8 *		
5 ft	10 in	5JEU9 *		
69 in	10 in	5JEV0 *		
7 ft	10 in	5JEV1 *		
8 ft	10 in	5JEV2 *		
9 ft	10 in	5JEV3 *	_	
10 ft	10 in	5JEV4 *	_	
3-Ribbed				
8 in	14 ½ in	5JEU1 *	5JEV5	
1 ft 8 in	14 ½ in	5AE57 *	5JEV6	
2 ft 8 in	14 ½ in	5AE58 *	5JEV7	
3 ft 8 in	14 ½ in	_	5JEV8	
44 in	14 ½ in	5W804 *		
4 ft 8 in	14 ½ in	_	5JEV9	
56 in	14 ½ in	5AE59 *	_	
5 ft 8 in	14 ½ in	5W805 *	_	
6 ft 8 in	14 ½ in	5AE60 *	5JEX1	
7 ft 8 in	14 ½ in	5W806 *	5JEX2	
8 ft 8 in	14 ½ in	5JEU2 *	_	
9 ft 8 in	14 ½ in	5W807 *	5JEX4	
* Rail length is 4" shorter than the nominal size. † Rail length is 6" shorter than the nominal size.				

Description	Overall Height	SAFETY YELLOW Item No.	SILVER Item No.	
Lift-Out Rails				
3-Ribbed				
6 in	14 ½ in	5JEU3 †		
1 ft 6 in	14 ½ in	5AE30 †		
2 ft 6 in	14 ½ in	5AE31 †		
3 ft 6 in	14 ½ in	4WZ74 †		
4 ft 6 in	14 ½ in	5AE32 †		
5 ft 6 in	14 ½ in	4WZ75 †		
6 ft 6 in	14 ½ in	5AE56 †	_	
7 ft 6 in	14 ½ in	4WZ76 †	_	
8 ft 6 in	14 ½ in	5JEU4 †	_	
9 ft 6 in	14 ½ in	4WZ77 †	_	
Posts				
2-Ribbed				
Single High Universal Center	125⁄8"	5JEX9	_	
Triple High Universal Center	421/2"	5JEY0	_	
3-Ribbed				
Single High Corner	18½"	5W808	5JEX5	
Single High Center	18½"	5W809	5JEX6	
Double High Corner	425/8"	5W810	5JEX7	
Double High Center	425/8"	5W811	5JEX8	
Lift-Out Rail Pocket				
For 2-Ribbed Posts	10 ½ in	5JEY1	_	





# **Crowd Control Interlocking Barriers**

All-welded steel construction with gray or yellow powder-coat finish. Multiple units can be attached together with welded-on rod hook and sleeves. Upright bars are vertically spaced at 51/4" intervals.

Overall Overall

Pipe Dia.	Length	Height	Includes	Color	No.
Frame 1½ in,	101 in	42.25 in	Linking Hooks and Eyes	Silver	12G309
Vertical Bars 1/2 in	125 in	42.25 in	Linking Hooks and Eyes	Silver	12G310
Frame 1 1/4 in, Vertical Bars 5/8 in	102 in	40.5 in	(2) Curved Removable Feet	Yellow	31DW07
	102 in	40.5 in	(2) Flat Removable Feet	Yellow	31DW09
	102 in	40.5 in	(2) Wheels Removable Feet	Yellow	31DW08
Frame 1% in, Verticals ¾ in	102 in	40.5 in	(2) Curved Removable Feet	Yellow	31DW06

Item