

GuardRite® Polymer HDXL Bollard

Flexible, strong vertical impact protection in a compact design ideal for high traffic forklift areas.

Separation means protection in your facility

Your facility can be a dangerous place. When it comes to protection, a yellow line painted on the floor just doesn't cut it.

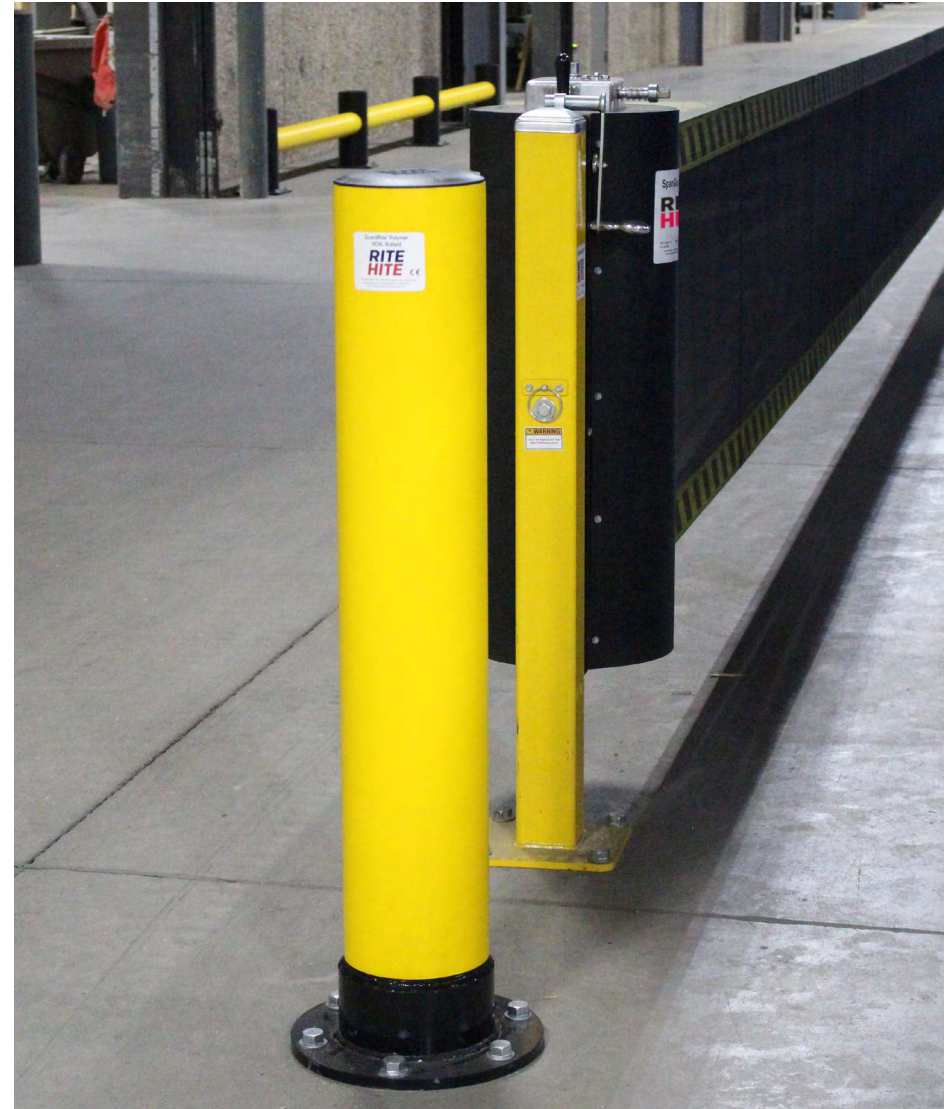
The GuardRite® Polymer HDXL Bollard is a highly visible, flexible safety bollard that is installed to protect pedestrians and guide material handling equipment traffic. They help define areas and work zones, maintain building integrity and protect sensitive equipment.

Modular design

- » Low maintenance, easy to install and can be integrated into existing barrier system configurations
- » Designed for indoor use, the GuardRite Polymer HDXL Bollard provides protection for people, products and property using a single bollard or defines an area with multiple bollards

Solid performance

- » Designed to stop up to 12,000 lbs. (5443 kg) at 4 mph. Consult the GuardRite Polymer HDXL Bollard BLAST Impact Rating Chart for complete weight and speed ratings
- » 48" high x 8" diameter yellow, impact-modified polypropylene post provide excellent visibility
- » Dual-action energy absorbing system, comprised of 1" thick polyethelene rings that surround a steel core, provides solid support against impacts
- » Black powdercoat steel 14" diameter base plate with six 3/4" anchor bolts
- » Engineered to absorb incidental impacts and return to original shape without damage
- » Total cost of ownership is less than traditional steel bollards



Specifications/Survey

Date _____

Company Name _____

Address _____

City _____

State _____ Zip Code _____

Representative _____

Salesperson _____

Quantity _____ Signature _____

Part No. Description

13290003 GuardRite Polymer HDXL Bollard

BLAST Impact Rating Chart - GuardRite® Polymer HDXL Bollard												
Weight (lbs)		5000	7000	9000	10000	12000	13500	15000	17000	20000	22000	30000
Mass (kg)		2268	3175	4082	4536	5443	6123	6804	7711	9072	9979	13608
MPH	Ft/sec	M/sec	Kinetic Energy KE (Joules)									
2.0	2.9	0.9	906	1269	1632	1813	2176	2447	2719	3082	3626	5439
2.5	3.7	1.1	1416	1983	2549	2833	3399	3824	4249	4816	5666	8498
3.0	4.4	1.3	2040	2855	3671	4079	4895	5507	6119	6935	8158	12237
3.5	5.1	1.6	2776	3887	4997	5552	6663	7495	8328	9439	11104	16657
4.0	5.9	1.8	3626	5076	6527	7252	8702	9790	10878	12328	14504	21756
4.5	6.6	2.0	4589	6425	8260	9178	11014	12390	13767	15603	18356	27534
5.0	7.3	2.2	5666	7932	10198	11331	13597	15297	16997	19263	22662	33993
5.5	8.1	2.5	6855	9597	12339	13711	16453	18509	20566	23308	27421	41132
6.0	8.8	2.7	8158	11422	14685	16317	19580	22027	24475	27738	32633	48950
6.5	9.5	2.9	9575	13405	17234	19149	22979	25852	28724	32554	38299	57448
7.0	10.3	3.1	11104	15546	19988	22209	26651	29982	33313	37755	44418	66626



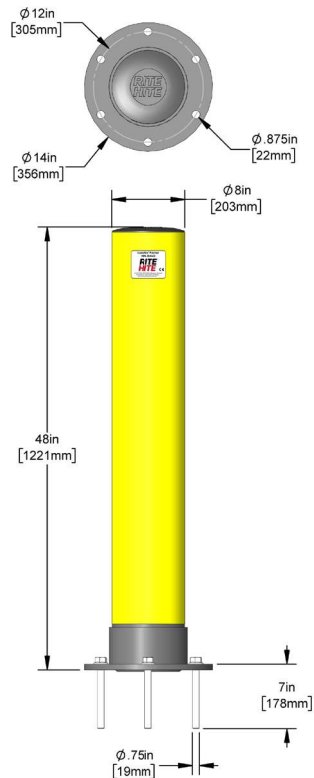
9000 Will absorb multiple impacts at this level with minimal damage
Will not absorb an impact of this level.

* The Barrier Load And Speed Test chart expresses an impact rating in terms of kinetic energy.

Consult [The Science of Safety](#) white paper for a complete explanation of the information contained within this chart.

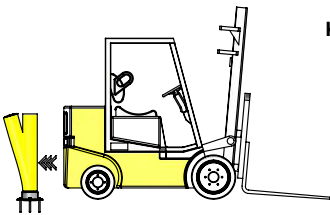
BLAST impact ratings shown for 95°F (35°C) thru 33°F (1°C) environments.

Refer to GuardRite Polymer Bollards Owner's Manual for reduced BLAST impact ratings in 32°F (0°C) thru -10°F (-32°C) environments.



Deflection Chart - GuardRite Polymer HDXL Bollard

KE (Joules)	INCHES	mm
2000	12	305
4500	17	432
7000	19	483
9000	20	508



10GRPHDXLBOS0725AMEN02

Milwaukee, Wisconsin, USA

www.ritehite.com

P 414-355-2600 (800-456-0600)

F 414-355-9248

Rite-Hite® and GuardRite® are trademarks of the Rite-Hite Holding Corporation. Rite-Hite products may be covered by one or more U.S. Patents with other U.S. and foreign patents pending. Patent coverage: www.ritehite.com/patents. The information herein is provided as a general reference only regarding the use of the applicable products. The specifications stated here are subject to change. Manufactured by Rite-Hite Engineered Solutions Group, Inc.