

BRADY SAFETY PADLOCKS CORROSION TEST



Padlocks may seem like commonplace device in your facility, but the fact remains that the durability and reliability of your padlocks is a critical component to your facility's safety. You need padlocks that will withstand harsh conditions, rough handlings and function properly for many years ahead.

To demonstrate the corrosion-resistance and durability of Brady's padlocks, Brady conducted a corrosion test against two leading competitors' locks.

In accordance with ASTM F883-04, Brady padlocks and the competing padlocks were permanently exposed to vaporized salt water in a test chamber; they were taken out for a few minutes every 24 hours to take photos and check their function. Afterwards, locks were put back into the chamber and the test continued until 168 hours were completed. The results measured the appearance of the padlocks, the function of the lock and shackle changes.



Competitor Safety Padlock



Brady Safety Padlock

Safety Padlock Corrosion Test

Brady's Safety Padlock is:

- Compact and lightweight, non-conductive body
- Variety of key possibilities (different, alike, master, grand master keyed)
- Ideal for electrical applications, small and confined spaces

Appearance: Brady's safety lock still looked to have an overall new appearance with only minimal salt residuals. The leading competitor's lock had brown rust and strong oxidation along shackle and by chamber. The leading competitor's lock also came apart at the seams, while Brady's stayed in tact.

Function: The Brady safety lock's function was totally unaffected by salt spray test, while the leading competitor's lock was non-functional and the key could not be removed.

**This padlock was tested against a leading competitor's lock.*



Competitor Steel Padlock



Brady Steel Padlock

Steel Padlock Corrosion Test

Brady's Steel Padlock:

- Offers a reinforced laminated steel body
- Withstands severe physical environments and industrial safety
- Features superior corrosion resistance

Appearance: Brady's steel lock still looked to have an overall new appearance with only minimal salt residuals. The leading competitor's lock had brown rust and strong oxidation.

Function: Brady's steel locks function was totally unaffected by salt spray test, while the leading competitor's lock was non-functional and the key could not be removed.

**This padlock was tested against a leading competitor's lock*



**Competitor #1
Aluminum
Padlock**

**Competitor #2
Aluminum
Padlock**

**Brady
Aluminum
Padlock**

Aluminum Padlock Corrosion Test

Brady's Aluminum Padlock:

- Offers superior corrosion resistance
- Ideal for outdoor, industrial, safety, food & beverage applications
- FDA approved lubricant in cylinder
- Variety of key possibilities (different, alike, master, grand master keyed)

Appearance: Brady's aluminum padlock still looked to have an overall new appearance with only minimal salt residuals. The leading competitors' locks had strong oxidation from contact corrosion between the cylinder and aluminum lock body.

Shackle: Brady's aluminum padlock has a like-new shackle with minimal corrosion. The competing padlocks had either significant rust on shackle arc and oxidation around ball bearing notches or limited corrosion on short shackle leg and ball bearing notches.

Function: Brady's aluminum lock function was totally unaffected by salt spray test, while competing locks were non-functional and the key could not be removed.

**This padlock was tested against two leading competitors' locks.*



**Competitors
Aluminum
Padlock**

**Brady
Aluminum
Padlock**

Brady offers a variety of non-conductive, plastic, steel and aluminum padlocks for your lockout program. For more information about Brady padlocks and other lockout/tagout solutions, visit www.BradyID.com/lockouttagout.

USA
Customer Service: 1-888-272-3946
Inside Sales: 1-888-311-0775
www.BradyID.com

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Customer Service: 1-800-263-6179
www.BradyCanada.ca

Mexico
Customer Service: 1-800-262-7777
Inside Sales: 1-800-262-7777 ext 177
www.BradyLatinAmerica.com

Lockout Tagout Padlocks



www.BradyID.com/lockouttagout

A wide range of colors, materials and sizes to enable you to find the padlock that best fits your needs and your lockout program.



	Compact Safety Padlocks	Safety Padlock with Steel Shackle	Full Aluminium Padlocks	Laminated Steel Padlocks	Key Retaining Laminated Steel Padlocks
Body	Fiberglass Reinforced Nylon	Fiberglass Reinforced Nylon	Aluminium	Steel	Steel
Shackle material	Aluminium	Steel	Aluminium	Steel	Steel
Shackle diameter	3/16"	1/4"	1/4"	17/64"	17/64"
Shackle height	1"	1 1/2"	1" and 1 1/2"	3/4" and 2"	3/4" and 2"
Colors	BK, BL, BR, GR, OR, PL, RD, YL, WT	BK, BL, BR, GR, OR, PL, RD, YL, WT	BK, BL, BR, GR, OR, PL, RD, YL	BK, BL, BR, GR, OR, PL, RD, YL	BK, BL, GR, RD, YL, WT
Identification	Supplied with labels (EN, FR, SP)	Supplied with labels (EN, FR, SP)	Engraving (all sides)	Engraving (bottom)	Engraving (bottom)
Key possibilities (see below)	Keyed Different Keyed Alike Master Keyed Grand Master Keyed	Keyed Different Keyed Alike Master Keyed Grand Master Keyed	Keyed Different Keyed Alike Master Keyed Grand Master Keyed	Keyed Different Keyed Alike Master Keyed Grand Master Keyed	Keyed Different Keyed Alike Master Keyed Grand Master Keyed
Main application	Electrical applications, small and confined spaces	Industrial safety (process industry - custom applications)	Outdoor, Industrial Safety, Food & Beverage applications (FDA approved lubricant in cylinder)	Severe physical environment, Industrial safety	Industrial safety, Severe physical environment
Main features	Non conductive body, Compact & Light Weight, Key retaining system, Cylinder can support same keying system as regular safety padlock	Non conductive body, Key retaining system, High security (6-pins)	Superior corrosion resistance, Laser engraving	Physical resistance, Superior corrosion resistance	Physical resistance, Key retaining system, Superior corrosion resistance
Supplied with	1 Key, Danger/Property Of labels	1 key, Danger/Property Of labels	2 keys	1 key	1 key

Keyed Different



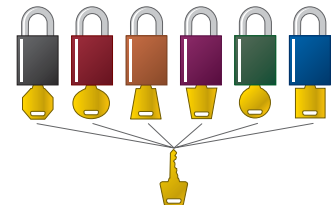
Keyed Alike



Master Keyed



Grand Master Keyed



Compact Safety Padlocks



Compact Safety Padlocks - 1" Shackle

	Keyed Different 1/pack	Keyed Different 6/pack	Keyed Alike 3/pack	Keyed Alike 6/pack
Red	143150	118926	118953	118954
Green	143152	118927	118955	118956
Orange	143154	118928	118957	118958
Blue	143156	118929	118959	118960
Yellow	143158	118930	118961	118962
Brown	143160	118931	118963	118964
White	143162	118932	118965	118966
Purple	143164	118933	118967	118968
Black	143166	118934	118969	118970

Plastic Safety Padlocks



Plastic Safety Padlocks - 1½" Shackle

	Keyed Different 1/pack	Keyed Different 6/pack	Keyed Alike 3/pack	Keyed Alike 6/pack
Red	99552	51339	105886	105890
Blue	99556	51344	105887	105891
Green	99564	51345	105889	105893
Yellow	99570	51346	105888	105892
Orange	99576	51347	-	-
Black	99580	51353	-	-
Brown	103033	101956	118947	118948
Purple	104919	104916	118951	118952
White	143123	118925	118949	118950

Aluminum Padlocks



Aluminum Padlocks - 1" Shackle

	Keyed Diff 1/pack	Keyed Diff 6/pack
Red	99608	51360
Blue	99609	51361
Green	99610	51362
Yellow	99611	51363
Orange	99612	51368
Black	99613	51369
Brown	104574	104575
Purple	104572	104573

Aluminum Padlocks - 1½" Shackle

	Keyed Diff 1/pack	Keyed Diff 6/pack	Keyed Alike 3/pack	Keyed Alike 6/pack
Red	99615	51370	105902	105882
Blue	99616	51371	105903	105883
Green	99617	51376	105881	105885
Yellow	99618	51377	105904	105884
Orange	99619	51378	-	-
Black	99620	50274	-	-
Brown	104578	104579	-	-
Purple	104576	104577	-	-

Steel Padlocks



Steel Padlocks - ¾" Shackle

	Keyed Diff 1/pack	Keyed Diff 6/pack
Red	99500	51279
Blue	99504	51280
Green	99508	51281
Yellow	99512	51282
Orange	99516	51283
Black	99520	51284
Brown	101957	102696
Purple	104920	104917

Steel Padlocks - 2" Shackle

	Keyed Diff 1/pack	Keyed Diff 6/pack	Keyed Alike 3/pack	Keyed Alike 6/pack
Red	99524	51290	105894	105898
Blue	99528	51291	105895	105899
Green	99533	51292	105897	105901
Yellow	99539	51297	105896	105900
Orange	99543	51298	-	-
Black	99548	51299	-	-
Brown	101958	102698	-	-
Purple	104921	104918	-	-

Key Retaining Steel Padlocks



Key Retaining Steel - ¾" Shackle

	Keyed Diff 1/pack	Keyed Diff 6/pack
Red	143126	118935
Green	143128	118936
Blue	143130	118937
Yellow	143132	118938
White	143134	118939
Black	143136	118940

Key Retaining Steel Padlocks - 2" Shackle

	Keyed Diff 1/pack	Keyed Diff 6/pack	Keyed Alike 3/pack	Keyed Alike 6/pack
Red	143144	118944	118977	118978
Green	143142	118943	118975	118976
Blue	143140	118942	118973	118974
Yellow	143148	118946	118981	118982
White	143146	118945	118979	118980
Black	143138	118941	118971	118972

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