

Underwriters Laboratory. STANDARD 752 Table 3.1 January 27, 1995

CLASS	TYPE OF WEAPON	CALIBRE	AMMUNITION	TEST RANGE
Level 1	9mm	9mm x 19	FMJ LC	4.6m
Level 2	.357 Magnum	.357	JLSP	4.6m
Level 3	.44 Magnum	.44	LSW GC	4.6m
Level 4	30.06 Rifle	30.06	LSP	4.6m
Level 5	7.62mm or .308 rifle	7.62mm x 51	LC/ FMJ Military Ball	4.6m
Level 6	9mm Uzi	9mm x 19	FMJ/LC	4.6m
Level 7	5.56 Rifle	5.56mm x 45	FMJ/ LC	4.6m
Level 8	7.62 M14	7.62mm x 51	LC/FMJ Military Ball	4.6m
Shotgun	12-gauge	Rifled slug	Lead 28gr	4.6m
Shotgun	12-gauge	00 buckshot	Lead 42gr	4.6m

All tests conducted are based upon average velocity of selected ammunition.  
 Armet is not responsible for the validity of the above information.

Standard - Rating:	UL - Level 1 9 mm Parabellum ( Part 1 )
Projectile Caliber :	9 mm Parabellum
Cartridge Type:	124 grain FMJ
Velocity Range:	1175 to 1292.5 ft/sec.
Number of Shots:	3 shot(s)
Shot Spacing:	4.5 inch triangle
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	(-26/72), 55, 72, 95, 120 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	Indoor rating test: #1 at 55 F, #2 at 72 F, and #3 at 95 F; Outdoor rating test: #1 (one side at -26 F other side at 72 F), #2 at 72 F, #3 at 120 F

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

Standard - Rating:	UL - Level 1 9 mm Parabellum ( Part 2 )
Projectile Caliber :	9 mm Parabellum
Cartridge Type:	124 grain FMJ
Velocity Range:	1175 to 1292.5 ft/sec.
Number of Shots:	2 shot(s)
Shot Spacing:	1.25 to 1.75 in.
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	None
Witness Plate Distance:	-
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

Standard - Rating:	UL - Level 1 9 mm Parabellum ( Part 3 )
Projectile Caliber :	9 mm Parabellum
Cartridge Type:	124 grain FMJ
Velocity Range:	1175 to 1292.5 ft/sec.
Number of Shots:	1 shot(s)
Shot Spacing:	-
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	None
Witness Plate Distance:	-
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	1 to 1.50 in. unsupported edge shot

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

**Standard - Rating: UL - Level 4 .30 30-06 ( Part 1 )**

Projectile Caliber : .30 30-06  
Cartridge Type: 180 grain JSP  
Velocity Range: 2540 to 2794 ft/sec.  
Number of Shots: 1 shot(s)  
Shot Spacing: -  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: 0.125 in. thick corrugated cardboard  
Witness Plate Distance: 18 in.  
Test Temperature: (-26/72), 55, 72, 95, 120 F  
Standard Document: United States: 752 -Rev. April 29, 1994  
Source: 752 -Rev. April 29, 1994

Comments: Indoor rating test: #1 at 55 F, #2 at 72 F, and #3 at 95 F; Out door rating test: #1 (one side at -26 F other side at 72 F), #2 at 72 F, #3 at 120 F

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

**Standard - Rating: UL - Level 4 .30 30-06 ( Part 2 )**

Projectile Caliber : .30 30-06  
Cartridge Type: 180 grain JSP  
Velocity Range: 2540 to 2794 ft/sec.  
Number of Shots: 1 shot(s)  
Shot Spacing: -  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: None  
Witness Plate Distance: -  
Test Temperature: 72 F  
Standard Document: United States: 752 -Rev. April 29, 1994  
Source: 752 -Rev. April 29, 1994

Comments: 1 to 1.50 in. unsupported edge shot

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

**Standard - Rating: UL - Level 5 .30 7.62 NATO ( Part 1 )**

Projectile Caliber : .30 7.62 NATO  
Cartridge Type: 150 grain FMJ  
Velocity Range: 2750 to 3025 ft/sec.  
Number of Shots: 1 shot(s)  
Shot Spacing: -  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: 0.125 in. thick corrugated cardboard  
Witness Plate Distance: 18 in.  
Test Temperature: (-26/72), 55, ,72, 95, 120 F  
Standard Document: United States: 752 -Rev. April 29, 1994  
Source: 752 -Rev. April 29, 1994

Comments: Indoor rating test: #1 at 55 F, #2 at 72 F, and #3 at 95 F; Out door rating test: #1 (one side at -26 F other side at 72 F), #2 at 72 F, #3 at 120 F

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

**Standard - Rating:** UL - Level 3 .44 Magnum ( Part 1 )

Projectile Caliber :	.44 Magnum
Cartridge Type:	240 grain SWC
Velocity Range:	1350 to 1485 ft/sec.
Number of Shots:	3 shot(s)
Shot Spacing:	4.5 inch triangle
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	(-26/72), 55, 72, 95, 120 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	Indoor rating test: #1 at 55 F, #2 at 72 F, and #3 at 95 F; Out door rating test: #1 (one side at -26 F other side at 72 F), #2 at 72 F, #3 at 120 F

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

**Standard - Rating:** UL - Level 3 .44 Magnum ( Part 2 )

Projectile Caliber :	.44 Magnum
Cartridge Type:	240 grain SWC
Velocity Range:	1350 to 1485 ft/sec.
Number of Shots:	2 shot(s)
Shot Spacing:	1.25 to 1.75 in.
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	None
Witness Plate Distance:	-
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

**Standard - Rating:** UL - Level 3 .44 Magnum ( Part 3 )

Projectile Caliber :	.44 Magnum
Cartridge Type:	240 grain SWC
Velocity Range:	1350 to 1485 ft/sec.
Number of Shots:	1 shot(s)
Shot Spacing:	-
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	None
Witness Plate Distance:	-
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	1 to 1.50 in. unsupported edge shot

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

**Standard - Rating:** UL - Level 2 .357 Magnum ( Part 1 )

Projectile Caliber : .357 Magnum  
Cartridge Type: 158 grain JSP  
Velocity Range: 1250 to 1375 ft/sec.  
Number of Shots: 3 shot(s)  
Shot Spacing: 4.5 inch triangle  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: 0.125 in. thick corrugated cardboard  
Witness Plate Distance: 18 in.  
Test Temperature: (-26/72), 55, 72, 95, 120 F  
Standard Document: United States: 752 -Rev. April 29, 1994  
Source: 752 -Rev. April 29, 1994  
Comments: Indoor rating test: #1 at 55 F, #2 at 72 F, and #3 at 95 F; Out door rating test: #1 (one side at -26 F other side at 72 F), #2 at 72 F, #3 at 120 F

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

**Standard - Rating:** UL - Level 2 .357 Magnum ( Part 2 )

Projectile Caliber : .357 Magnum  
Cartridge Type: 158 grain JSP  
Velocity Range: 1250 to 1375 ft/sec.  
Number of Shots: 2 shot(s)  
Shot Spacing: 1.25 to 1.75 in.  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: None  
Witness Plate Distance: -  
Test Temperature: 72 F  
Standard Document: United States: 752 -Rev. April 29, 1994  
Source: 752 -Rev. April 29, 1994  
Comments:

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

**Standard - Rating:** UL - Level 2 .357 Magnum ( Part 3 )

Projectile Caliber : .357 Magnum  
Cartridge Type: 158 grain JSP  
Velocity Range: 1250 to 1375 ft/sec.  
Number of Shots: 1 shot(s)  
Shot Spacing: -  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: None  
Witness Plate Distance: -  
Test Temperature: 72 F  
Standard Document: United States: 752 -Rev. April 29, 1994  
Source: 752 -Rev. April 29, 1994  
Comments: 1 to 1.50 in. unsupported edge shot

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

<b>Standard - Rating:</b>	UL - Level 5 .30 7.62 NATO ( Part 2 )
Projectile Caliber :	.30 7.62 NATO
Cartridge Type:	150 grain FMJ
Velocity Range:	2750 to 3025 ft/sec.
Number of Shots:	1 shot(s)
Shot Spacing:	-
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	None
Witness Plate Distance:	-
Test Temperature:	(-26/72), 55, 72, 95, 120 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	1 to 1.50 in. unsupported edge shot
Note:	A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

<b>Standard - Rating:</b>	UL - Level 6 9 mm Parabellum
Projectile Caliber :	9 mm Parabellum
Cartridge Type:	124 grain FMJ
Velocity Range:	1400 to 1540 ft/sec.
Number of Shots:	5 shot(s)
Shot Spacing:	4.5 inch square
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	
Note:	A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

<b>Standard - Rating:</b>	UL - Level 7 .223 5.56 NATO
Projectile Caliber :	.223 5.56 NATO
Cartridge Type:	55 grain FMJ
Velocity Range:	3080 to 3388 ft/sec.
Number of Shots:	5 shot(s)
Shot Spacing:	4.5 inch square
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994

Comments:

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

Standard - Rating:	UL - Level 8 .30 7.62 NATO
Projectile Caliber :	.30 7.62 NATO
Cartridge Type:	150 grain FMJ
Velocity Range:	2750 to 3025 ft/sec.
Number of Shots:	5 shot(s)
Shot Spacing:	4.5 inch square
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

Standard - Rating:	UL - Level 1 thru 3 SG 12 Gauge 2 3/4" ( Part 1A )
Projectile Caliber :	12 Gauge 2 3/4"
Cartridge Type:	437 grain Slug
Velocity Range:	1585 to 1743.5 ft/sec.
Number of Shots:	3 shot(s)
Shot Spacing:	4.5 inch triangle
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	(-26/72), 55, 72, 95, 120 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	Supplemental rating for levels 1, 2, and 3; Indoor / Outdoor rating testing also applies

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

<b>Standard - Rating:</b>	UL - Level 1 thru 3 SG 12 Gauge 2 3/4" ( Part 1B )
Projectile Caliber :	12 Gauge 2 3/4"
Cartridge Type:	437 grain Slug
Velocity Range:	1585 to 1743.5 ft/sec.
Number of Shots:	2 shot(s)
Shot Spacing:	1.25 to 1.75 in.
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	None
Witness Plate Distance:	-
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	Supplemental rating for levels 1, 2, and 3
Note:	A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

<b>Standard - Rating:</b>	UL - Level 1 thru 3 SG 12 Gauge 2 3/4" ( Part 1C )
Projectile Caliber :	12 Gauge 2 3/4"
Cartridge Type:	437 grain Slug
Velocity Range:	1585 to 1743.5 ft/sec.
Number of Shots:	1 shot(s)
Shot Spacing:	-
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	None
Witness Plate Distance:	-
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	Supplemental rating for levels 1, 2, and 3; 1 to 1.50 in. unsupported edge shot
Note:	A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

<b>Standard - Rating:</b>	UL - Level 1 thru 3 SG 12 Gauge 2 3/4" Mag. ( Part 2A )
Projectile Caliber :	12 Gauge 2 3/4" Mag.
Cartridge Type:	650 grain # 00 Buck
Velocity Range:	1200 to 1320 ft/sec.
Number of Shots:	3 shot(s)
Shot Spacing:	4.5 inch triangle
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	(-26/72), 55, 72, 95, 120 F
Standard Document:	United States: 752 -Rev. April 29, 1994



Source: 752 -Rev. April 29, 1994  
Comments: Supplemental rating for levels 1, 2, and 3; Indoor / Outdoor rating testing also applies

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

Standard - Rating: UL - Level 1 thru 3 SG 12 Gauge 2 3/4" Mag. ( Part 2B )

Projectile Caliber : 12 Gauge 2 3/4" Mag.  
Cartridge Type: 650 grain # 00 Buck  
Velocity Range: 1200 to 1320 ft/sec.  
Number of Shots: 2 shot(s)  
Shot Spacing: 1.25 to 1.75 in.  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: None  
Witness Plate Distance: -  
Test Temperature: 72 F

Standard Document: United States: 752 -Rev. April 29, 1994

Source: 752 -Rev. April 29, 1994

Comments: Supplemental rating for levels 1, 2, and 3

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

Standard - Rating: UL - Level 1 thru 3 SG 12 Gauge 2 3/4" Mag. ( Part 2C )

Projectile Caliber : 12 Gauge 2 3/4" Mag.  
Cartridge Type: 650 grain # 00 Buck  
Velocity Range: 1200 to 1320 ft/sec.  
Number of Shots: 1 shot(s)  
Shot Spacing: -  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: None  
Witness Plate Distance: -  
Test Temperature: 72 F

Standard Document: United States: 752 -Rev. April 29, 1994

Source: 752 -Rev. April 29, 1994

Comments: Supplemental rating for levels 1, 2, and 3; 1 to 1.50 in. unsupported edge shot

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

<b>Standard - Rating:</b>	<b>UL - Level 4 and 5 SG 12 Gauge 2 3/4" ( Part 1A )</b>
Projectile Caliber :	12 Gauge 2 3/4"
Cartridge Type:	437 grain Slug
Velocity Range:	1585 to 1743.5 ft/sec.
Number of Shots:	1 shot(s)
Shot Spacing:	-
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	(-26/72), 55, 72, 95, 120 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	Supplemental rating for levels 4 and 5; Indoor / Outdoor rating testing also applies

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

<b>Standard - Rating:</b>	<b>UL - Level 4 and 5 SG 12 Gauge 2 3/4" ( Part 1B )</b>
Projectile Caliber :	12 Gauge 2 3/4"
Cartridge Type:	437 grain Slug
Velocity Range:	1585 to 1743.5 ft/sec.
Number of Shots:	1 shot(s)
Shot Spacing:	-
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	None
Witness Plate Distance:	-
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	Supplemental rating for levels 4 and 5; 1 to 1.50 in. unsupported edge shot

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

<b>Standard - Rating:</b>	<b>UL - Level 4 and 5 SG 12 Gauge 2 3/4" Mag. ( Part 2A )</b>
Projectile Caliber :	12 Gauge 2 3/4" Mag.
Cartridge Type:	650 grain # 00 Buck
Velocity Range:	1200 to 1320 ft/sec.
Number of Shots:	1 shot(s)
Shot Spacing:	-
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	(-26/72), 55, 72, 95, 120 F

Standard Document: United States: 752 -Rev. April 29, 1994  
Source: 752 -Rev. April 29, 1994  
Comments: Supplemental rating for levels 4 and 5; Indoor / Outdoor rating testing also applies

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

Standard - Rating: UL - Level 4 and 5 SG 12 Gauge 2 3/4" Mag. ( Part 2B )  
Projectile Caliber : 12 Gauge 2 3/4" Mag.  
Cartridge Type: 650 grain # 00 Buck  
Velocity Range: 1200 to 1320 ft/sec.  
Number of Shots: 1 shot(s)  
Shot Spacing: -  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: None  
Witness Plate Distance: -  
Test Temperature: 72 F  
Standard Document: United States: 752 -Rev. April 29, 1994  
Source: 752 -Rev. April 29, 1994  
Comments: Supplemental rating for levels 4 and 5; 1 to 1.50 in. unsupported edge shot

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

Standard - Rating: UL - Level 6 thru 8 SG 12 Gauge 2 3/4" ( Part 1 )  
Projectile Caliber : 12 Gauge 2 3/4"  
Cartridge Type: 437 grain Slug  
Velocity Range: 1585 to 1743.5 ft/sec.  
Number of Shots: 5 shot(s)  
Shot Spacing: 4.5 inch square  
Velocity Measurement Distance: -  
Target Range: 15 ft.  
Sample Size: 12 x 12 in.  
Witness Plate: 0.125 in. thick corrugated cardboard  
Witness Plate Distance: 18 in.  
Test Temperature: 72 F  
Standard Document: United States: 752 -Rev. April 29, 1994  
Source: 752 -Rev. April 29, 1994  
Comments: Supplemental rating for levels 6 thru 8

Note: A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...

Standard - Rating:	UL - Level 6 thru 8 SG 12 Gauge 2 3/4" Mag. ( Part 2 )
Projectile Caliber :	12 Gauge 2 3/4" Mag.
Cartridge Type:	650 grain # 00 Buck
Velocity Range:	1200 to 1320 ft/sec.
Number of Shots:	5 shot(s)
Shot Spacing:	4.5 inch square
Velocity Measurement Distance:	-
Target Range:	15 ft.
Sample Size:	12 x 12 in.
Witness Plate:	0.125 in. thick corrugated cardboard
Witness Plate Distance:	18 in.
Test Temperature:	72 F
Standard Document:	United States: 752 -Rev. April 29, 1994
Source:	752 -Rev. April 29, 1994
Comments:	Supplemental rating for levels 6 thru 8
Note:	A test sample must pass all parts of a particular standard. i.e. part 1, part 2, etc...