

# BOLTS, CANADIAN STANDARD

## CHARPY LEVEL 1 IMPACT PROPERTIES

*Engineered for extreme cold weather applications*

Bolts meet the requirements of CSA Standard C83-96

Charpy Level 1 Impact - Average minimum energy absorption of 20J when tested at -20 degrees C per ASTM A370

Galvanized Per CSA G164-M

CW designation marked on all bolts (except DA bolts)

# BOLTS, CARRIAGE

CSA 83.66-96 Specification

Charpy Level 1

**Features:**

- Rounded head with square shoulder
- Includes one square nut
- Rolled threads

**Material:**

- Galvanized steel per CSA G164-M



1/4" Thread Dia. (1/4-20 UNC)		
1,800 lbs. Rated Tensile Strength		
Catalog Number	Length	Thread Length
PS8421CW	1"	1"
PS842112CW	1 1/2"	1 1/2"
PS8422CW	2"	2"
PS842212CW	2 1/2"	2 1/2"

5/16" Thread Dia. (5/16-18 UNC)		
3,200 lbs. Rated Tensile Strength		
Catalog Number	Length	Thread Length
PS8522CW	2"	1"

3/8" Thread Dia. (3/8-16 UNC)		
5,200 lbs. Rated Tensile Strength		
Catalog Number	Length	Thread Length
PS8632CW	2"	1 1/2"
PS8633CW	3"	
PS8634CW	4"	3"
PS863412CW	4 1/2"	
PS8635CW	5"	
PS8636CW	6"	4"
PS8637CW	7"	
PS8638CW	8"	

## BOLTS, DA

CSA 83.22-96 Specification

Charpy Level 1

**Features:**

- Square nut offers generous area for wrench
- Cone point aids installation through wood and reduces thread damage
- Rolled threads

**Material:**

- Galvanized steel per CSA G164-M



1/2" Thread Diameter (1/2-13UNC)	
7,575 lbs. Rated Tensile Strength	
Catalog Number	Length
PS8846CW	16"
PS8848CW	18"

5/8" Thread Diameter (5/8-11UNC)	
14,100 lbs. Rated Tensile Strength	
Catalog Number	Length
PS8858CW	8"
PS8860CW	10"
PS8862CW	12"
PS8864CW	14"
PS8866CW	16"
PS8868CW	18"
PS8870CW	20"
PS8872CW	22"
PS8874CW	24"
PS8876CW	26"
PS8877CW	28"
PS8878CW	30"
PS8879CW	32"

3/4" Thread Diameter (3/4-10UNC)	
22,000 lbs. Rated Tensile Strength	
Catalog Number	Length
PS8882CW	12"
PS8884CW	14"
PS8886CW	16"
PS8888CW	18"
PS8890CW	20"
PS8892CW	22"
PS8894CW	24"
PS8896CW	26"
PS8897CW	28"
PS8898CW	30"

# BOLTS, MACHINE

CSA 83.23-96 Specification

Charpy Level 1

**Features:**

- Square head and nut offers generous area for wrench
- Cone Point aids installation through wood and reduces thread damage
- Rolled threads
- Assembled with one square nut
- Unthreaded shank area keeps cantilever loading outside of the threaded zone

**Material:**

- Galvanized steel per CSA G164-M



1/2" Thread Diameter (1/2-13UNC)		
7,575 lbs. Rated Tensile Strength		
Catalog Number	Length	Minimum Thread Length
PS870112CW	1 1/2"	1 1/2"
PS8703CW	3"	3"
PS870412CW	4 1/2"	
PS870512CW	5 1/2"	
PS8706CW	6"	
PS8707CW	7"	4"
PS8708CW	8"	
PS8709CW	9"	
PS8710CW	10"	
PS8712CW	12"	6"
PS8714CW	14"	

5/8" Thread Diameter (5/8-11UNC)		
14,100 lbs. Rated Tensile Strength		
Catalog Number	Length	Minimum Thread Length
PS8805CW	5"	3"
PS8806CW	6"	
PS8807CW	7"	4"
PS8808CW	8"	
PS8809CW	9"	6"
PS8810CW	10"	
PS8812CW	12"	
PS8814CW	14"	
PS8816CW	16"	
PS8818CW	18"	
PS8820CW	20"	
PS8822CW	22"	
PS8824CW	24"	
PS8826CW	26"	
PS8828CW	28"	

3/4" Thread Diameter (3/4-10UNC)		
22,000 lbs. Rated Tensile Strength		
Catalog Number	Length	Minimum Thread Length
PS8902CW	2"	1 3/8"
PS890212CW	2 1/2"	
PS8906CW	6"	3"
PS8907CW	7"	4"
PS8908CW	8"	
PS8910CW	10"	6"
PS8912CW	12"	
PS8914CW	14"	
PS8916CW	16"	
PS8918CW	18"	
PS8920CW	20"	
PS8922CW	22"	
PS8924CW	24"	
PS8926CW	26"	
PS8928CW	28"	

## BOLTS, OVALEYE

CSA 83.65-96 Specification

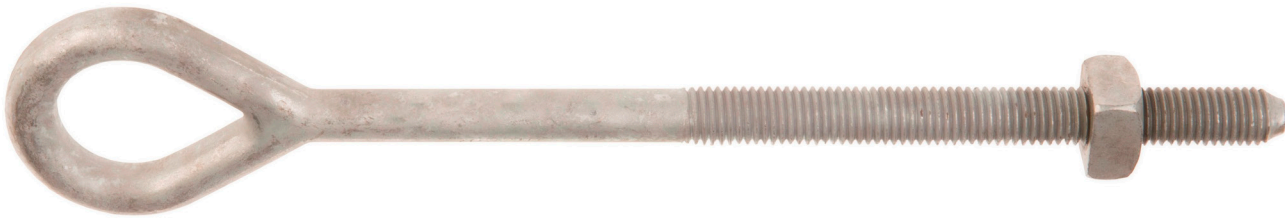
Charpy Level 1

**Features:**

- Forged 1½" x 2" internal ovalet opening
- Drop forged eye, one piece design
- Cone point aids installation through wood and reduces thread damage
- Rolled Threads
- Assembled with one square nut

**Material:**

- Galvanized steel per CSA G164-M



5/8" Thread Diameter (5/8-11UNC)			
14,100 lbs. Rated Tensile Strength			
Catalog Number	Length Under Eye	Thread Length	Eye Dimensions
PS29956CW	6"	4"	5/8" X 1 1/2" x 2"
PS29958CW	8"		
PS29959CW	9"		
PS29960CW	10"		
PS29962CW	12"	6"	
PS29964CW	14"		
PS29966CW	16"		
PS29968CW	18"		
PS29970CW	20"		
PS29972CW	22"		
PS29974CW	24"		

3/4" Thread Diameter (3/4-10UNC)			
22,000 lbs. Rated Tensile Strength			
Catalog Number	Length Under Eye	Thread Length	Eye Dimensions
PS29982CW	12"	6"	5/8" x 1 1/2" x 2"
PS29984CW	14"		
PS29986CW	16"		
PS29988CW	18"		
PS29990CW	20"		
PS29992CW	22"		
PS29994CW	24"		
PS2050465CW	26"		

# BOLTS, SHOULDER EYE

CSA 83.67-96 Specification

Charpy Level 1

**Features:**

- Integral forged eye and shoulder
- Shoulder offers greater bearing surface to reduce stress on wood pole or crossarm
- Cone point aids installation through wood and reduces thread damage
- Rolled Threads
- Assembled with one square nut

**Material:**

- Galvanized steel per CSA G164-M



3/4" Thread Diameter (3/4-10UNC)				
22,000 lbs. Rated Tensile Strength				
Catalog Number	Length Under Eye	Thread Length	Eye Dimensions	Washer Diameter
PSSE3406CW	6"	3"	5/8" x 1 13/16"	1 1/2"
PSSE3408CW	8"	4"		
PSSE3410CW	10"	6"		
PSSE3412CW	12"			
PSSE3414CW	14"			
PSSE3416CW	16"			
PSSE3418CW	18"			
PSSE3420CW	20"			
PSSE3422CW	22"			
PSSE3424CW	24"			

## BOLTS, THIMBLEYE

CSA 83.63-96 Specification

Charpy Level 1

### Features:

- Forged thimbleye offers smooth radius for loop type deadend attachment
- Includes one square nut
- Cone point aids installation through wood and reduces thread damage
- Rolled Threads

### Material:

- Galvanized steel per CSA G164-M



5/8" Thread Diameter (5/8-11UNC)				3/4" Thread Diameter (3/4-10UNC)			
14,100 lbs. Rated Tensile Strength				22,000 lbs. Rated Tensile Strength			
Catalog Number	Length Under Eye	Thread Length	Eye Dimensions	Catalog Number	Length Under Eye	Thread Length	Eye Dimensions
PS5508CW	8"	4"	9/16 x 11/16"	PS5610CW	10"	6"	11/16" x 13/16"
PS5510CW	10"	6"		PS5612CW	12"		
PS5512CW	12"			PS5614CW	14"		
PS5514CW	14"						

## SCREW, LAG

CSA 83.101-96 Specification

Charpy Level 1

**Features:**

- Fetter drive thread with pilot point for driven installation
- Shoulder under head for a tight fit to resist backing nut

**Material:**

- Galvanized steel per CSA G164-M



Catalog Number	Diameter	Length	Thread Type	Thread Length (Including Point)
PS508743CW	3/8"	3"	Fetter Drive	2"
PS508744CW		4"		3"
PS508754CW	1/2"	4"		2 1/2"
PS50875412CW		4 1/2"		3"