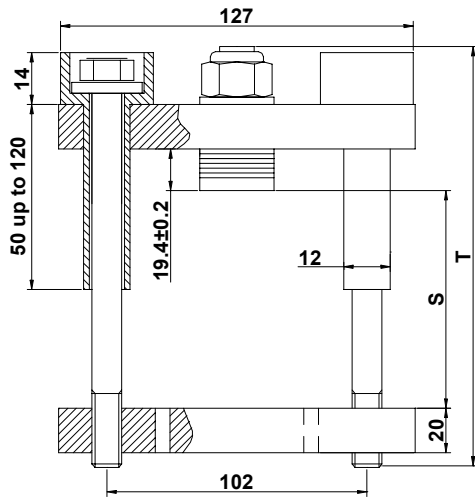


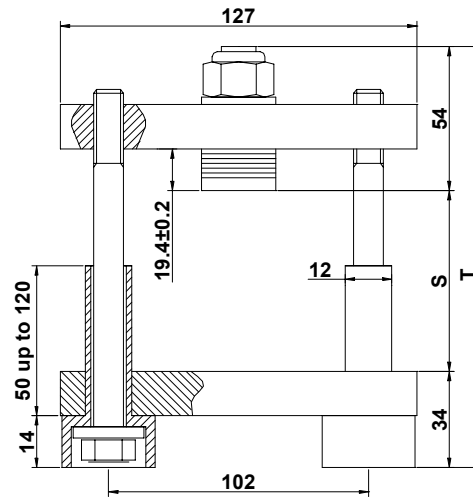
GC102...F

BAR CLAMP FOR HOCKEY PUKS

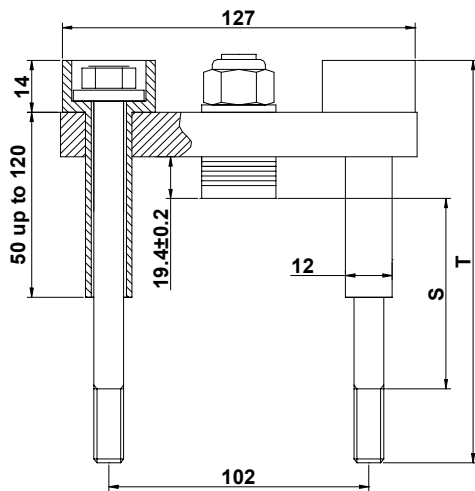
- Various lengths of bolts and insulators
- Pre-loaded to the specific clamping force
- Flat clamping head for minimum clamping head height
- Four clamps styles
- Gold iridite plating
- User friendly clamping force indicator
- UL94 certified insulation material



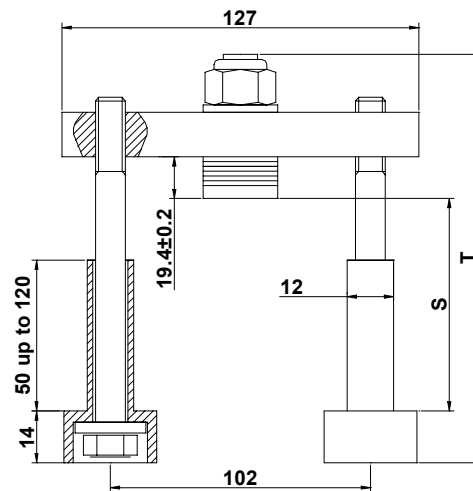
GC102BN...F



GC102BR...F




GC102SN...F



GC102SR...F

Dimensions in millimeters

T: Max total height (see table)
S: Clearance allowed (see table)

Parameter	Unit	Types/Testing conditions/Notes	Values	
			Min	Max
Weight	g	GC102S...F	700	850
		GC102B...F	1190	1350
Clamping Force*	kN	GC102...12F	12	
		GC102...15F	15	
		GC102...20F	20	
		GC102...22F	22	
Insulation Voltage	V _{RMS}	1 min	3000	
Insulating Material		UL File: E121562		Noryl ®
Max. working temperature	°C		110	
Min. working temperature	°C		-30	
Storage temp.	°C		-40/110	

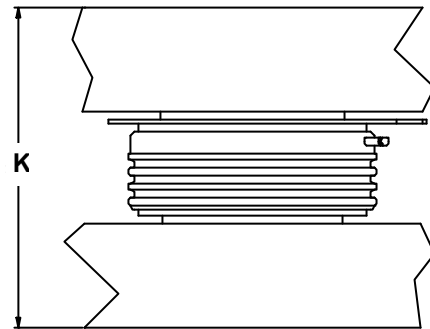
* Other clamping forces available: contact factory

ORDERING INFORMATION TABLE

Clamps can be ordered using the following part numbering system



(1) Construction type:	B = with double bar S = with single bar
(2) Insulator position:	N = upper side R = lower side
(3) Insulator code:	see table below
(4) Bolt code:	see table below
(5) Clamping force (in kN):	12
	15
	20
	22
(6) Special accessories	blank = no accessories
	S = extra metal spacer



K: Total thickness of the assembly to be clamped

For thicknesses $S'_{Min} < K < S_{Min}$ an additional 4 mm thick metal spacer is needed (see list of special accessories)

Type GC102BN...F: suggested insulator/bolt types

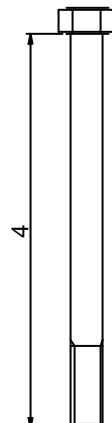
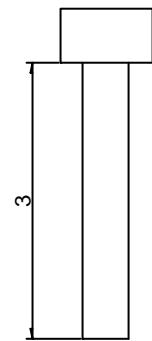
Allowed clearance S			Insulator choice		Bolt choice		Max height
S' Min [mm]**	S Min [mm]	SMax [mm]	(3)	Ins. Lenght [mm]	(4)	Bolt Lenght [mm]	T [mm]
39	43	49	A/B	50/70	A	110	127
49	53	59	B	70	B	120	137
59	63	69	B/C	70/95	C	130	147
69	73	79	C	95	D	140	157
79	83	89	C/D	95/120	E	150	167
89	93	99	D	120	F	160	177

** with additional metal spacer only

Type GC102BR...F: suggested insulator/bolt types

Allowed clearance S			Insulator choice		Bolt choice		Max height
S' Min [mm]**	S Min [mm]	SMax [mm]	(3)	Ins. Lenght [mm]	(4)	Bolt Lenght [mm]	T [mm]
39	43	49	A/B	50/70	A	110	139
49	53	59	B	70	B	120	149
59	63	69	B/C	70/95	C	130	159
69	73	79	C	95	D	140	169
79	83	89	C/D	95/120	E	150	169
89	93	99	D	120	F	160	179

** with additional metal spacer only

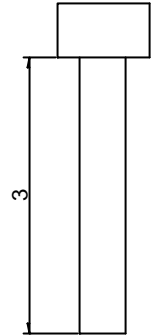


In the interest of product improvement Green Power Semiconductors reserves the right to change any specification given in this data sheet without notice.

Type GC102SN...F: suggested insulator/bolt types

Allowed clearance S			Insulator choice		Bolt choice		Max height
S' Min[mm]**	S Min [mm]	SMax [mm]	(3)	Ins. Lenght [mm]	(4)	Bolt Lenght [mm]	T [mm]
39	43	49	A/B	50/70	A	110	120
49	53	59	B	70	B	120	130
59	63	69	B/C	70/95	C	130	140
69	73	79	C	95	D	140	150
79	83	89	C/D	95/120	E	150	160
89	93	99	D	120	F	160	170

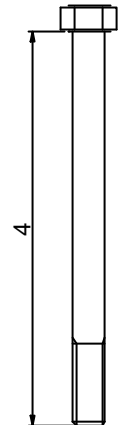
** with additional metal spacer only



Type GC102SR...F: suggested insulator/bolt types

Allowed clearance S			Insulator choice		Bolt choice		Max height
S' Min[mm]**	S Min [mm]	SMax [mm]	(3)	Ins. Lenght [mm]	(4)	Bolt Lenght [mm]	T [mm]
59	63	69	A/B	50/70	A	110	139
69	73	79	B	70	B	120	149
79	83	89	B/C	70/95	C	130	159
89	93	99	B/C	70/95	D	140	169
99	103	109	C/D	95/120	E	150	179
109	113	119	D	120	F	160	189

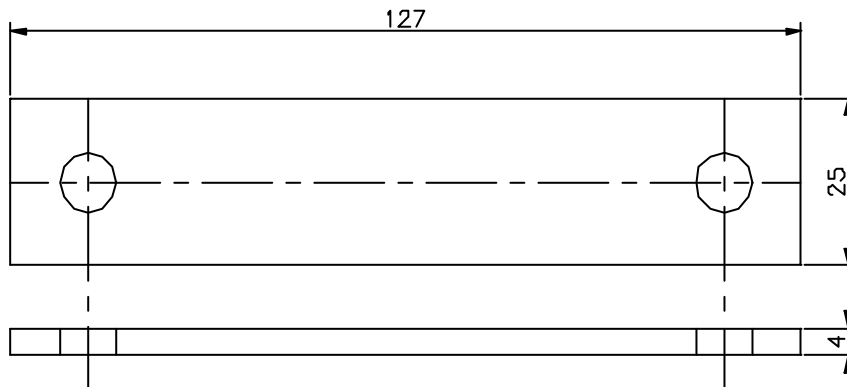
** with additional metal spacer only



SPECIAL ACCESSORIES

The following special accessories are available

Metal spacer



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