

# GRM

For High Temperature Applications



**-G11 High Temp Option**



**High Temp Ceramic Coated Tips Option**

**ISO-9001  
CERTIFIED**  
Quality Management  
System Certified

GRMG11



PHD is a member of the  
MAC Distributor Network

**phd**   
SOLUTIONS FOR INDUSTRIAL AUTOMATION

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**Is your high temperature application too hot to handle?**

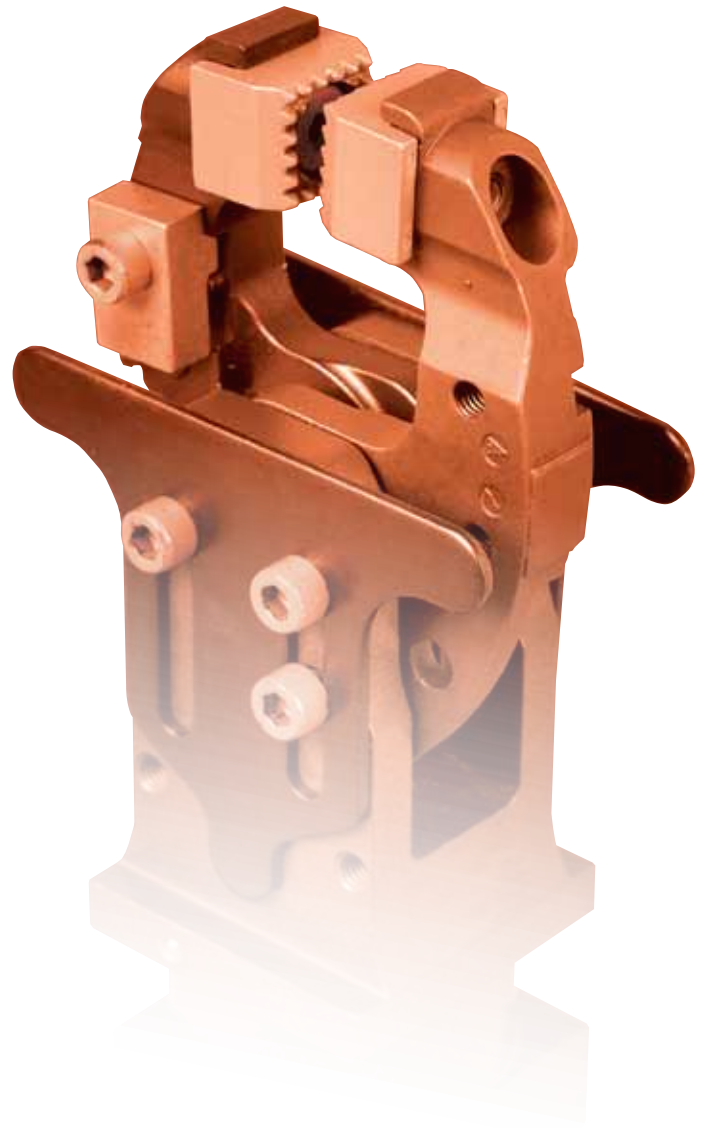
**Does lack of performance from your existing products burn you up?**

**Does downtime have you on the hot seat?**

If so, then look no further. PHD Clamp Division has your solution! Series GRM Clamps can now be ordered with standard high temperature options specifically suited for your application. Building upon the tried and true GRM Clamp platform, high temp options include: replacement of urethane based components with all metal components, high temp seals and lube rated to 392°F (200°C), and ceramic coated tips that minimize thermal transfer from the heat source to the clamp; all available to ship within 24 hours after receipt of order.

Inferior, high temp products that command high price tags and long delivery schedules are now a thing of the past. We encourage you to contact PHD Clamp Division with your high temp application needs.

**1-800-624-8511 ext. 5**



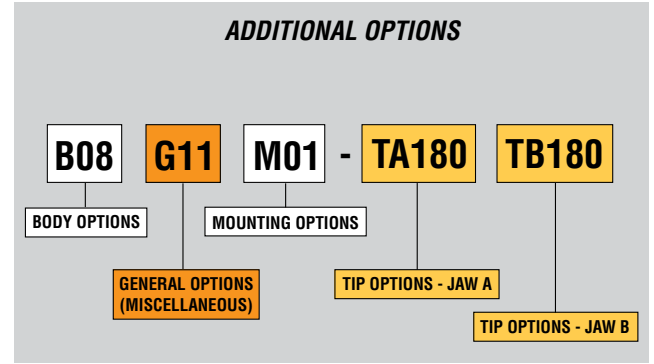
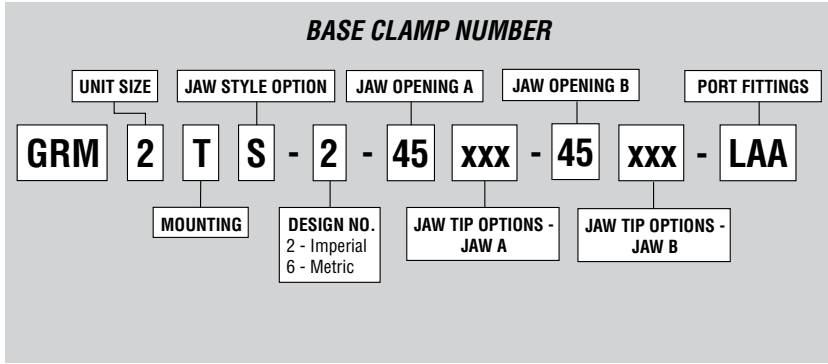
INDUSTRY USES  
MARKETS SERVED



- **Automotive Stamping**
- **Hot-Forming/Stamping**
- **Injection Molding**
- **Thermoforming**
- **Work Holding**
- **Material Transfer**

**[www.phdinc.com/clamps](http://www.phdinc.com/clamps)**

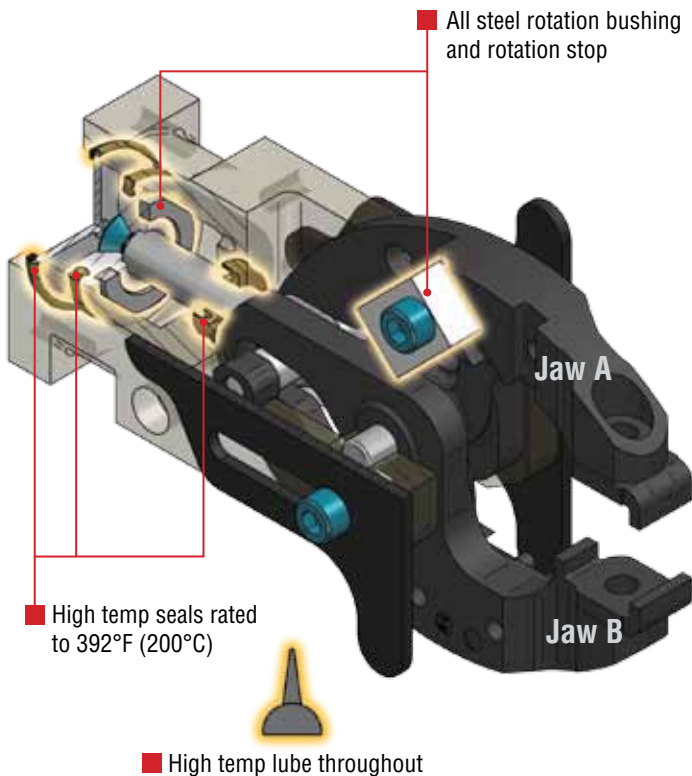
# High Temperature Ordering Data Example



## -G11 High Temperature Option

SIZE	AVAILABLE ON JAW STYLES
1	S, F
2	S, C, D, F, G, H, J, K, N, P, R
4	S, F, G, H, J

G11 option comes standard with:



## -TA(B) High Temperature Ceramic Coated Tip Options

OPTION CODE	JAW TIP OPTION	TIP COLOR EQUIVALENT	AVAILABLE ON CLAMP SIZE
TA(B)180	Single Diamond	Black	All
TA(B)181	Single Diamond	Silver	All
TA(B)182	Single Diamond	Gold	All
TA(B)183	Single Diamond	Red	2
TA(B)184	Double Diamond	Black	All
TA(B)185	Double Diamond	Silver	All
TA(B)186	Double Diamond	Gold	All
TA(B)187	Double Diamond	Red	2
TA(B)188	Double Cone	Black	All
TA(B)189	Double Cone	Silver	All
TA(B)190	Double Cone	Gold	All
TA(B)191	Double Cone	Red	2

Customer must specify TA/TB option to receive high temperature tips.

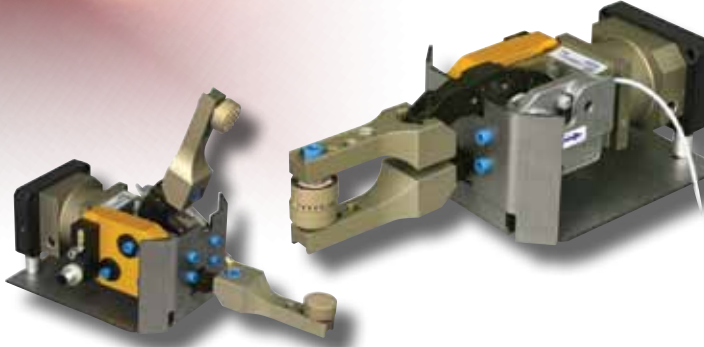
All dimensions for these options are standard. Only the high temperature compatibility changes. Refer to PHD's all-inclusive clamps catalog for unit dimensions.

Contact us directly for the high temp option on jaw styles L and M, which require a special stop on the lower jaw.

Switches are not recommended over 158°F (70°C). Switch warranty is not available.

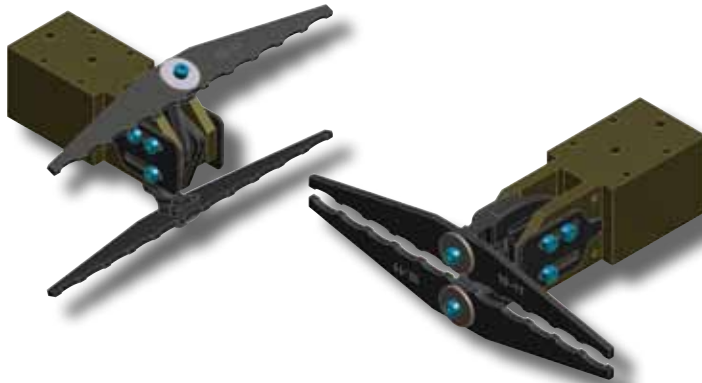


# Other High Temperature Applications



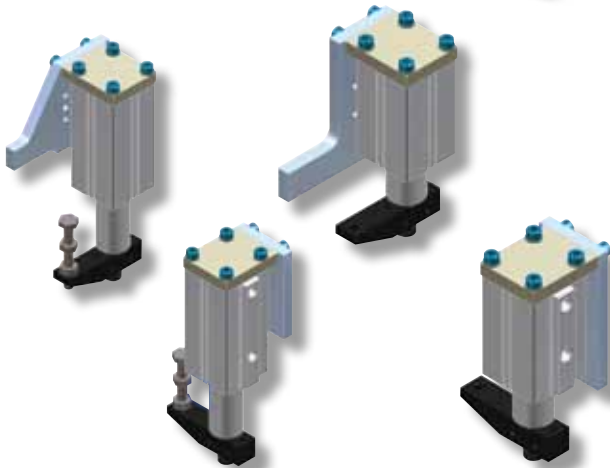
## Hot-Forming/Hot-Stamping (Pick & Place)

- High performance at temps exceeding 1700°F (927°C)
- Rear manifold moves plumbing away from heat source
- Heat dissipating shields minimize radiant heat
- Specially coated tips to reflect heat



## Vehicle Parts Manufacturing (Material Handling)

- High performance at 250°F (121°C)
- Spring close, pneumatic open
- Special seals and lube protect clamp from elevated temperatures
- Elongated tips for part stability



## Turbine and Turbine Generator Set Units Manufacturing (Fixturing)

- Temperature of heat source up to 1000°F (538°C)
- Components coated to minimize thermal absorption and transfer
- Special seals and lube protect clamp from elevated temperatures

Contact Us: **1-800-624-8511 ext. 5**



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