

# PRATLEY® PRATLOK®

Tested to  
ASTM D 5363  
MILS-46163A  
ISO 10964  
ISO 10123

POLICY STATEMENT  
"The performance of our products must exceed all others on the world market"  
K. G. M. Industry CEO

## Anaerobic Adhesives and Retainers

**Silicone Free!**



**Product Code 92090**

### Gasket Grade

**Flange Sealant & Gasket Maker**

Ideal for:  
Pipe Flanges,  
Engine Sumps,  
Gear Boxes,  
Water Pumps  
& Similar.



Flange

Gasket Grade

Product colour	Red(Gel)
U.V. Fluorescent (Black Light)	Yes
Shear strength on mild steel (N/mm <sup>2</sup> )	7
Recommended gap/ Maximum gap (mm)	0.05/0.19
Maximum instant pressure resistance (kPa)	450 at 0.19mm
Time to initial set Min	60
Time to full cure Hr	24
Continuous Temperature rating °C	115°C
Flash point (°C, TOC)	>100
Toxicity	Low

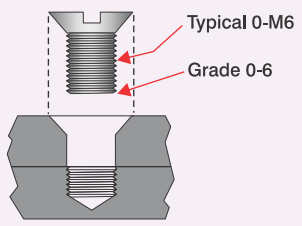
50g



**PRATLOK**  
GRADE 0-6  
SCREW LOCK  
FOR THREADS 0-6mm ø  
LOCKS - RETAINS - SEALS

### Screw Lock, Grade 0-6

**Low strength (Purple) thread locker.** Typically for screws in the 0-6 mm size range. Prevents loosening due to vibration. Seals the thread and retards corrosion.



**Product Code 92050**

Cap colour	Purple
Product colour	Purple
U.V. Fluorescent	Yes
Static shear strength N/mm <sup>2</sup>	3-7
Breakaway Torque N-m	3-8
Prevail Torque N-m	1-10
Viscosity mPa-s	800-1200
Recommended gap/ Maximum gap mm	0.05/0.13
Time to initial set Min	8-18
Time to full cure Hr	24
Specific gravity	1.07
Continuous Temperature rating °C	150
Flash point (°C, TOC)	>100
Corrosivity MIL-S-224730	Zero
Toxicity	Low

50g



**PRATLOK**  
GRADE 6-10  
NUT LOCK  
FOR THREADS 6-10mm ø  
LOCKS - RETAINS - SEALS

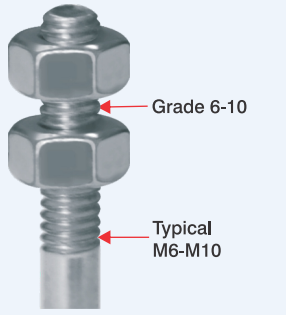
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**PRATLOK**  
GRADE 6-10  
NUT LOCK  
RETAINS - SEALS

### Nut Lock, Grade 6-10

**Medium strength (Blue) thread locker.** Typically for M6-M10 nuts and bolts. Allows disassembly using standard tools. Use on nuts and bolts.



**Product Code 50g 92051**  
**Product Code 10g 92070**

Cap colour	Blue
Product colour	Blue
U.V. Fluorescent	Yes
Static shear strength N/mm <sup>2</sup>	8-15
Breakaway Torque N-m	6-20
Prevail Torque N-m	4-17
Viscosity mPa-s	800-1200
Recommended gap/ Maximum gap mm	0.05/0.13
Time to initial set Min	8-18
Time to full cure Hr	24
Specific gravity	1.07
Continuous Temperature rating °C	150
Flash point (°C, TOC)	>100
Corrosivity MIL-S-224730	Zero
Toxicity	Low

50g



**PRATLOK**  
GRADE 10-20  
STUD LOCK  
FOR THREADS 10-20mm ø  
LOCKS - RETAINS - SEALS

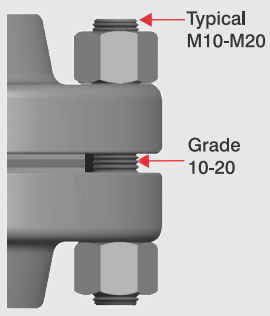
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**PRATLOK**  
GRADE 10-20  
STUD LOCK  
RETAINS - SEALS

### Stud Lock, Grade 10-20

**High strength (Red) thread locker.** Typically for M10-M20 studs and bolts. Disassembly difficult without heat. Use on studs, bolts and threaded pipe fittings.



**Product Code 50g 92052**  
**Product Code 10g 92081**

Cap colour	White
Product colour	Red
U.V. Fluorescent	Yes
Static shear strength N/mm <sup>2</sup>	13-25
Breakaway Torque N-m	10-35
Prevail Torque N-m	10-60
Viscosity mPa-s	400-600
Recommended gap/ Maximum gap mm	0.05/0.18
Time to initial set Min	10-18
Time to full cure Hr	24
Specific gravity	1.07
Continuous Temperature rating °C	150
Flash point (°C, TOC)	>100
Corrosivity MIL-S-224730	Zero
Toxicity	Low

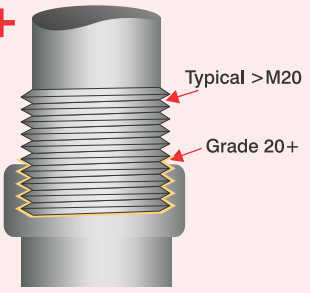
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**PRATLOK**  
GRADE 20+  
STUD LOCK  
FOR THREADS >20mm ø  
LOCKS - RETAINS - SEALS

### Stud Lock, Grade 20+

**High strength (Red) high viscosity thread locker for > M20 threads and for flanged assemblies and gap filling.** Disassembly difficult without heat.



**Product Code 92053**

Cap colour	Red
Product colour	Red
U.V. Fluorescent	Yes
Static shear strength N/mm <sup>2</sup>	11-23
Breakaway Torque N-m	10-40
Prevail Torque N-m	5-50
Viscosity mPa-s	6000-8000
Recommended gap/ Maximum gap mm	0.05/0.25
Time to initial set Min	16-26
Time to full cure Hr	24
Specific gravity	1.07
Continuous Temperature rating °C	150
Flash point (°C, TOC)	>100
Corrosivity MIL-S-224730	Zero
Toxicity	Low

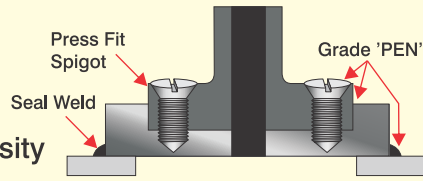
N.B. Values are typical only and should not be used for product specification.

## Anaerobic Adhesives and Retainers



### Penetrating Grade, Grade 'PEN'

**Medium strength (Green)** ultra low viscosity thread locker for "wicking" into pre-assembled fasteners, press fits and knurls. Also suitable for sealing micro porosity in welds and castings.



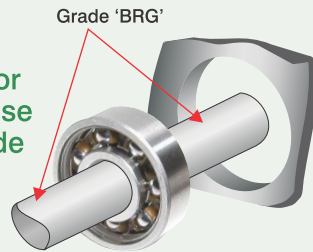
**Product Code 92054**

Cap colour	Yellow
Product colour	Green
U.V. Fluorescent	Yes
Static shear strength N/mm <sup>2</sup>	14-26
Breakaway Torque N-m	4-16
Prevail Torque N-m	5-55
Viscosity mPa-s	10-25
Recommended gap/ Maximum gap mm	0.05/0.10
Time to initial set Min	6-15
Time to full cure Hr	24
Specific gravity	1.07
Continuous Temperature rating °C	150
Flash point (°C, TOC)	>100
Corrosivity MIL-S-224730	Zero
Toxicity	Low



### Bearing/Retainer Grade, Grade 'BRG'

**Medium/High strength (Green)** low viscosity retaining grade for retaining bearings onto shafts, into housings or for bushes and other cylindrical close tolerance assemblies. Use this grade to replace press fits with slip fits.



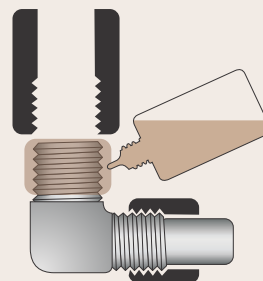
**Product Code 50g 92055**  
**Product Code 10g 92084**

Cap colour	Green
Product colour	Green
U.V. Fluorescent	Yes
Static shear strength N/mm <sup>2</sup>	14-26
Breakaway Torque N-m	6-30
Prevail Torque N-m	5-15
Viscosity mPa-s	120-170
Recommended gap/ Maximum gap mm	0.05/0.13
Time to initial set Min	7-16
Time to full cure Hr	24
Specific gravity	1.07
Continuous Temperature rating °C	150
Flash point (°C, TOC)	>100
Corrosivity MIL-S-224730	Zero
Toxicity	Low



### Grade HYD

**Medium strength (Brown)** thread sealant, suitable for fine threads on hydraulic and pneumatic connections. Replaces thread sealing tapes and pastes. Allows for disassembly with standard tools. Grade HYD is not recommended for use in pure oxygen, chlorine and strong oxidizing materials.



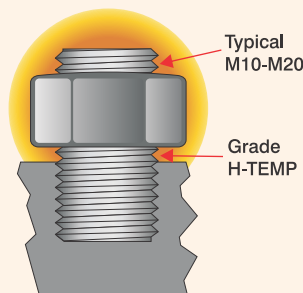
**Product Code 92056**

Cap colour	Brown
Product colour	Brown
U.V. Fluorescent	Yes
Static shear strength N/mm <sup>2</sup>	7-16
Breakaway Torque N-m	6-19
Prevail Torque N-m	4-17
Viscosity mPa-s	400-600
Recommended gap/ Maximum gap mm	0.05/0.13
Time to initial set Min	10-17
Time to full cure Hr	24
Specific gravity	1.07
Continuous Temperature rating °C	150
Flash point (°C, TOC)	>100
Corrosivity MIL-S-224730	Zero
Toxicity	Low



### Grade H-TEMP

**High strength (Orange-Red)** and high temperature thread locker. Typically for M10-M20 studs and bolts. Disassembly difficult without extreme heat. Suitable for temperatures up to 230°C.



**Product Code 92057**

Cap colour	Orange
Product colour	Orange/Red
U.V. Fluorescent	Yes
Static shear strength N/mm <sup>2</sup>	11-20
Breakaway Torque N-m	12-30
Prevail Torque N-m	10-40
Viscosity mPa-s	4000-8000
Recommended gap/ Maximum gap mm	0.05/0.18
Time to initial set Min	20-30
Time to full cure Hr	24
Specific gravity	1.11
Continuous Temperature rating °C	230
Flash point (°C, TOC)	>100
Corrosivity MIL-S-224730	Zero
Toxicity	Low

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### PratlOK Activator



PratlOK activator is for use with PratlOK Anaerobic Adhesives. It will speed the cure of PratlOK (useful at low temperatures and larger bond gaps.) It must be used to cure PratlOK on plastic threads and less active metal surfaces such as, high alloy steel, cadmium, anodised aluminium and chrome passivated.

**Product Code 92060**



www.pratleyadhesives.com

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