

# LOCTITE®



**Henkel –  
Your worldwide partner**

## New Anaerobic Flange Sealants

Loctite® 5188™ Ultra-Tough

Loctite® 5203™ Easy-to-Service

### NEW Anaerobic Application Complete Solutions from Loctite®

#### Loctite® 50 ml-F Tube Squeeze Dispenser Item 1083845

##### Benefits

- Ergonomic handheld dispenser
- Reduces adhesive waste
- Reduces application time
- Smoother, more consistent flow output

Works with Loctite® 50 ml squeeze tubes



#### Loctite® Pivoting Gasket Roller Item 1271430

##### Benefits

- Improved ergonomics vs. other rollers
- Pivoting feature allows roller to follow gasket surface
- Decrease cycle time
- Increases throughput

Works with handheld 300 ml cartridges dispenser (item 97002) sold separately



#### Loctite® Screen-Form™ Gasketing System

##### Benefits

- Virtually eliminates misapplication
- Decreases cycle time, increases throughput
- Applies adhesive using a flange specific silk screen

Item 1271654 - Base system

Item 1271431 - Small silk screen, flanges up to 9" x 13"

Item 1271655 - Large silk screen, flanges up to 13" x 17"



**Visit [www.equipment.loctite.com](http://www.equipment.loctite.com) or  
call 1-800-LOCTITE for more information**

##### U.S.A

**HENKEL CORPORATION**  
Engineering Adhesives  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067  
Tel: 860-571-5100  
Fax: 860-571-5465  
[www.henkelna.com/industrial](http://www.henkelna.com/industrial)  
[www.henkelna.com/loctite](http://www.henkelna.com/loctite)

##### Canada

**HENKEL CANADA CORPORATION**  
2225 Meadowpine Blvd.  
Mississauga, Ontario, Canada L5N 7P2  
Tel: 1-800-263-5043 (within Canada)  
Tel: 905-814-6511  
Fax: 905-814-5391

##### Mexico

**HENKEL CAPITAL S.A. DE C.V. (MEXICO)**  
Boulevard Magnocentro No. 8 Piso 2  
Centro Urbano Interlomas  
52760 Huixquilucan, Estado de Mexico  
Technical Product Assistance: Tel: 52-55-3300-3669  
To place an order: Tel: 52-55-3300-3664  
Fax: 52-55-3300-3019  
[www.loctite.com.mx](http://www.loctite.com.mx)

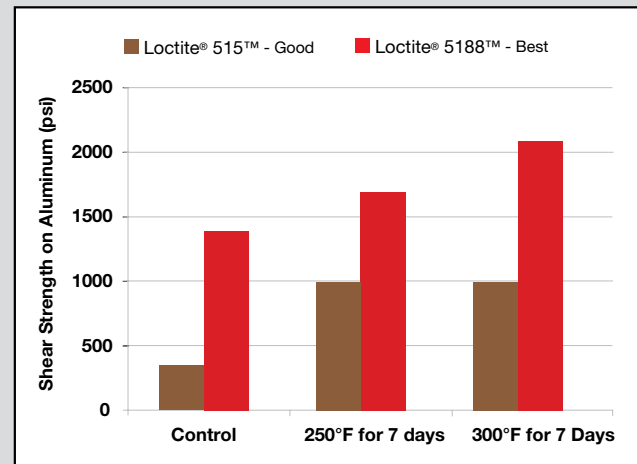
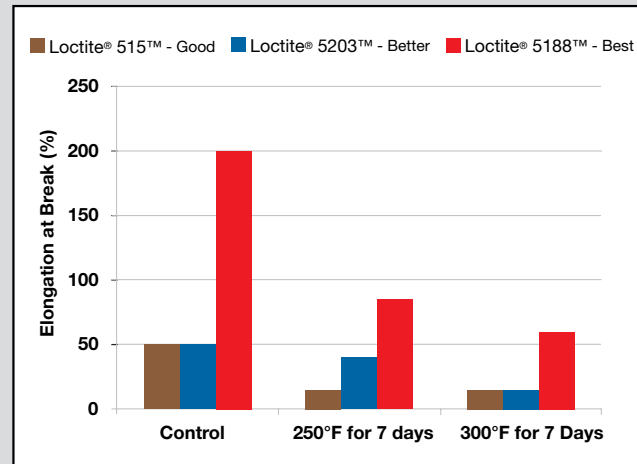
© and ™ designate trademarks, except where noted below, of Henkel Corporation or its affiliates. ® = registered in the U.S. and elsewhere. © Henkel Corporation, 2009. All rights reserved. 5561/LT-5347 (2/09)

From the **Global Leader** in  
**Anaerobic Technology** Innovation

# Loctite® 5188™ Ultra-Tough

Ideal for large flanges and high stress applications

FEATURES	BENEFITS
Highly flexible, even after heat aging	Can tolerate micromovements on highly stressed flanges
Instant low pressure seal	Immediate in-line sealing tests possible
Oil tolerant	Cures through limited oil films
Excellent thermal resistance of cured product	Ideal for engine compartment applications
Excellent chemical resistance of cured product	Suitable for use with oils and coolants
Suitable for light-weight design flanges	Very good adhesion, especially to aluminum
Supports direct metal-to-metal flange design	Eliminates the need for shimmed flanges



# Loctite® 5203™ Easy-to-Service

Ideal for frequently serviced flanges

FEATURES	BENEFITS
Fully cured product easily removed from flange	Less damage to flange, shorter repair times
Can be removed without harsh solvents	Eliminates cost and hazards associated with harsh solvents
Can be removed without scrapping or sanding	Eliminates damage to flange
Instant low pressure seal	Immediate in-line sealing tests possible
Oil tolerant	Cures through limited oil films

## Traditional Liquid Gasket

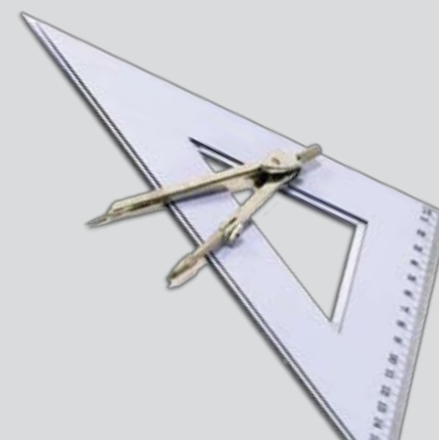


Hard to remove, even with a screwdriver

## Loctite® 5203™



Easy to remove manually



# Gasket Selector

	Rigid, Metal-to-Metal Flanges									
	Frequently Serviced Flanges	Large and/or High Stress Flanges	Portable Easy to Apply	General Purpose	Slow Cure					
<b>Solution</b>	<b>5203™</b>	<b>5188™</b>	<b>548™</b>	<b>515™</b>	<b>573™</b>					
<b>Chemistry</b>	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic					
<b>Cure Method</b>	Anaerobic	Anaerobic	Anaerobic	Anaerobic	Anaerobic					
<b>Color</b>	Red	Red	Orange	Purple	Green					
<b>Viscosity (cP)</b>	50,000 to 100,000	14,000 to 32,000	Semisolid	275,000 to 950,000	19,000 to 60,000					
<b>Cure Time</b>	15 min to 6 hours	15 min to 6 hours	<3 hours	1 to 12 hours	6 to 48 hours					
<b>Gap Fill (inches)</b>	0.010" - Unprimed 0.020" - Primed	0.005" - Unprimed 0.010" - Primed	0.010"	0.010" - Unprimed 0.050" - Primed	0.010" - Unprimed 0.020" - Primed					
<b>Temperature Range (°F)</b>	-65 to 300°F	-65 to 300°F	-65 to 300°F	-65 to 300°F	-65 to 300°F					
<b>Product Description</b>	<b>Loctite® 5203™</b> <b>Easy-to-Service</b> Fully cured product can easily be removed from flange faces, particularly aluminum. Provides resistance to low pressures immediately after assembly of flanges. Seals close-fitting joints between rigid metal faces and flanges.	<b>Loctite® 5188™</b> <b>Ultra-Tough</b> Provides a tough, resilient solvent and temperature-resistant seal that flexes with flange movements caused by vibration, pressurization, or thermal changes. Provides resistance to low pressures immediately after assembly.	<b>Loctite® 548™</b> <b>QuickStix™</b> Patented semisolid formula is ideal for on-the-spot repairs or when a conventional gasket is out of stock. Can be applied quickly and neatly on a variety of metal surfaces, including aluminum, and forms a flexible solvent-resistant seal.	<b>Loctite® 515™</b> <b>Gasket Eliminator</b> Makes flexible gaskets for rigid machined flanges with less than 0.050" gap. Flexes when flanges move in service.	<b>Loctite® 573™</b> <b>Long Open Time</b> Seals close-fitting joints between rigid metal faces and flanges. Typically used as a form-in-place gasket on rigid flanged connections, e.g., gearbox and engine casings. The slow curing prevents premature curing on large parts and eliminates shimming of the flange.					
	<b>Part Number</b>	<b>Package Size</b>	<b>Part Number</b>	<b>Package Size</b>	<b>Part Number</b>	<b>Package Size</b>	<b>Part Number</b>	<b>Package Size</b>	<b>Part Number</b>	<b>Package Size</b>
	1241992	300 ml cartridge	1253203	50 ml	39151	9 g stick	51517	6 ml tube	26392	250 ml tube
			1241991	300 ml	39152	18 g stick	51531	50 ml tube		
					39153	37 g stick	51580	300 ml cartridge		
					1062184	30 g syringe				
					1062185	300 g cartridge				

## When should I use a Loctite® Primer?

**Speed up cure** – Significantly speed up the cure time of Loctite® anaerobics when assembling metal parts that are cold or have large gaps.

**Inactive metal assemblies\*** – When assembling metal parts with inactive surfaces, Loctite® primers are recommended to ensure proper performance of Loctite® anaerobics.

Please note: Loctite® Anaerobic Machinery Adhesives cure in the absence of air and presence of metal ions. When assembling inactive metal parts, which are low in metal ions, the use of Loctite® Primers are recommended to ensure proper performance of Loctite® Anaerobic Machinery Adhesives.

[www.useloctite.com](http://www.useloctite.com)

## HELPFUL HINTS

INACTIVE METALS* (PRIMERS RECOMMENDED)	ACTIVE METALS (PRIMERS OPTIONAL)
PLATED PARTS	IRON
ANODIZED ALUMINUM (ALODINE, IRRIDITE)	PLAIN STEEL
TITANIUM	COPPER
STAINLESS STEEL	BRASS
GALVANIZED STEEL	BRONZE
MAGNETITE STEEL	NICKEL
ICONEL®	MANGANESE
	MONEL®
	KOVAR®
	NATURAL OR CHEMICAL BLACK OXIDE