

Chemical auxiliary materials for workshop and repair

The basic guideline for solving technical problems



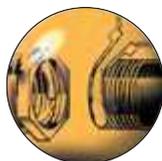
Secure screws

Page 554



Seal surfaces

Page 555



Seal threads

Pages 555-559



Shaft/hub joints

Page 556



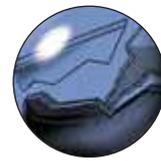
Structural bonding

Page 557



Elastic bonding

Page 558



Bonding with instant adhesive

Page 558



Industrial lubricants

Page 559



Assembly aids

Page 559



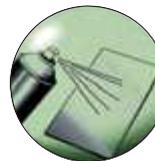
Repair loosening

Page 560



Cleaning

Page 561



Prepare surfaces

Page 561



Dispensing aids

Page 561



Thread lockers



Liquid screw-type locker

Type	Type	Packing	Thread size	Functional strength*	Break-out torque	Description
Loctite	Loxal**					
Medium strength (temperature range: -55°C to max. +180°C)						
243/5	---	5 ml	Up to M 36	2 h	26 Nm	Recommended for all metal threaded connections up to M 36 threads. The connections can be disassembled using normal hand tools. Tolerates oily contaminants to a small extent.
243/10	55-03/10	10 ml				
243/50	55-03/50	50 ml				
243/250	55-03/250	250 ml				
High strength (temperature range: -55°C to max. +150°C)						
290/10	---	10 ml	Up to M 6	3 h	10 Nm	Recommended for later securing of screws . Ideally suited for setting screws, bolts on maintenance holes, carburettor screws etc.
290/50	70-14/50	50 ml				
290/250	70-14/250	250 ml				
2701/5	---	5 ml	Up to M 20	6 h	38 Nm	Improved Loctite 270. Recommended for all metal threaded connections, including passive materials , such as high alloyed steel. Ideal for strong vibrations and shock resistant threaded connections, z.g. Stay bolts on motors or pumps etc. DVGW approval
2701/10	---	10 ml				
2701/50	---	50 ml				
2701/250	---	250 ml				
270/10	83-54/10	10 ml	Up to M 20	6 h	33 Nm	Recommended for all metal threaded connections. Ideal for strong vibration and shock stressed threaded connections, e.g. stay bolts on motors or pumps etc., temperature range -55°C to max. +180°C (type 272 to max. +200°C)
270/50	83-54/50	50 ml				
270/250	83-54/250	250 ml				
272/50	86-72/50	50 ml	Up to M 80	24 h	23 Nm	
272/250	86-72/250	250 ml				
Stick - medium strength (temperature range: -55°C to max. +150°C)						
248/19		19 g (Stick)	Up to M 50	6 h	19 Nm	Recommended for hard to reach glue joints or for bonding parts that cannot be moved. No spills or drops. Effective with all metal screw threads up to M 50. The connections can be disassembled using normal hand tools.
Stick - high strength (temperature range: -55°C to max. +150°C)						
268/19		19 g (Stick)	Up to M 50	24 h	25 Nm	Recommended for hard to reach glue joints or for bonding parts that cannot be moved. No spills or drops. Effective with all metal screw threads up to M 50.

* average value at 22°C, **Similar properties (see page 552 and on for technical data or request that information from us.)

