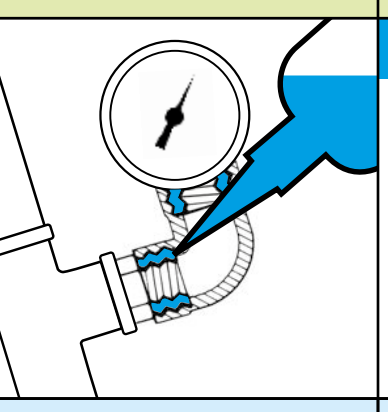
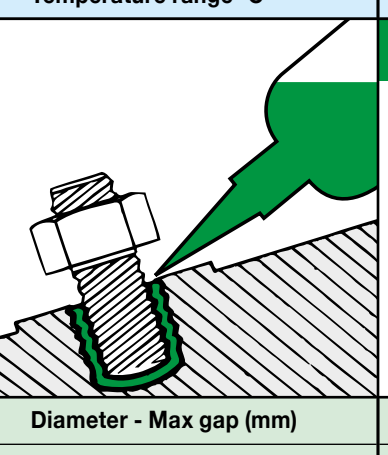
Non-required for labeling

• 53-14 • 58-11 NSF • 58-12 • 85-86	• 24-18 • 55-03 • 83-52	• 28-12 • 59-30 • 59-30P	• 53-11 • 83-52	• 61 • 63 • 67



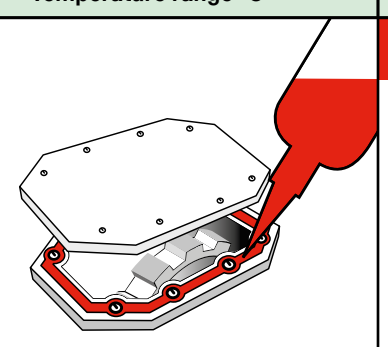
Threadsealing

	18-10	53-14	55-37	58-11	85-86
	Removable thread seal with Teflon. Gas and drinking water approved. (AGA DVGW TZW WRAS)	Medium strength seal for hydraulics and pneumatics up to 3/4" Gas approved. (DVGW)	Sealing of flexible copper and brass connections. Gas approved. (DVGW)	Medium strength seal Gas, oil and drinking water - approved. (AGA BAM DVGW WRAS NSF P1)	Strong thread sealant high temperature for sealing and locking metal threaded joints. Gas approved. (DVGW)
Diameter - Max gap (mm)	2" - 0,30 mm	M20 - ¾" - 0,20 mm	1 ½" - 0,25 mm	M56 - 2" - 0,30 mm	M56/2"/0,30 mm
Breakaway torque M10 (Nm)	6 - 11	12 - 18	15 - 32	18 - 24	25 - 35
Temperature range °C	-55 - +150	-55 - +150	-55 - +150	-55 - +150	-55 - +200



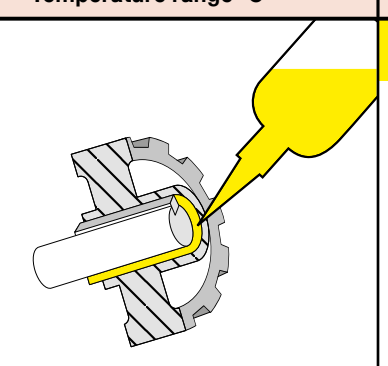
Threadlocking

	24-18	55-03	70-14	83-52	86-72
	Easily removable weak locking.	Removable medium-strength thread locking and sealing. Gas and drinking water approved. (TZW DVGW)	Penetrating medium-strength locking for application after assembly. Seals porosities.	Permanently strong locking and sealing of screws, bolts and threads. For oily surfaces.	Permanent strong locking - high temperature Gas approved. (DVGW)
Diameter - Max gap (mm)	M24 - 0,20 mm	M36 - 0,25 mm	M5 - 0,07 mm	M20 - 0,15 mm	M56 - 0,30 mm
Breakaway torque M10 (Nm)	5 - 8	18 - 23	10 - 25	25 - 35	25 - 35
Temperature range °C	-55 +150	-55 +200	-55 +150	-55 +150	-55 +230



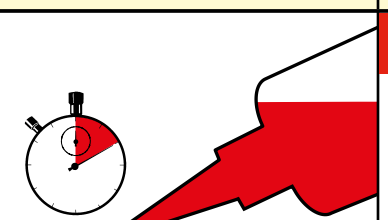
Gasketing adhesives

	28-12	58-14	58-31	59-10	59-30P
	Elastic - high temperature. Withstands vibrations, oil, fuel and industrial fluids.	All-round flange seal for gear-boxes.	Flange seal for high loads.	Flange sealing engines, gearboxes, high temperatures.	Elastic high temperature RTV silicone.
Max gap (mm)	0,30 mm	0,50 mm	0,50 mm	0,50 mm	-
Strength (N/mm2)	3	5 - 8	7 - 10	6 - 8	1,8 - 3
Temperature range °C	-55 +180	-55 +150	-55 +180	-55 +200	-60 +300



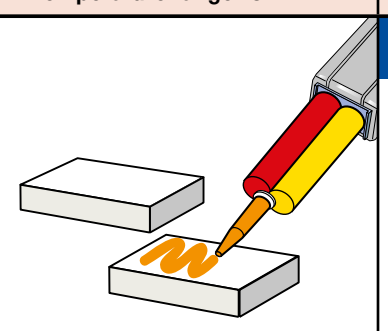
Retaining adhesives

	53-11	83-21	83-52	85-21	86-86
	Bearing assembly removable.	Permanently strong fast curing gas approved (BAM)	Permanently strong locking and sealing of screws, bolts and threads. Also cylindrical attachment.	Very strong for large gaps, gas approved, fast curing.	Permanently strong. High temperature, high resistance to corrosion.
Diameter - Max gap (mm)	M20 - 0,12 mm	M20 - ¾" - 0,15 mm	M20 - 0,15 mm	0,20 mm	M56 / 2" / 0,30 mm
Shear strength (N/mm2)	8 - 12	25 - 30	10 - 20	25 - 35	10 - 20
Temperature range °C	-55 +150	-55 +175	-55 +150	-55 +150	-55 +230



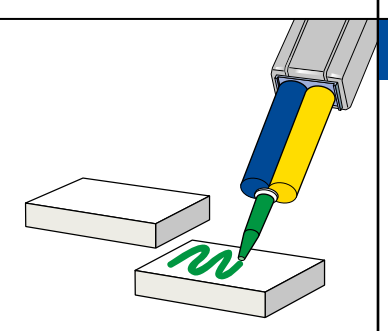
Cyanoacrylate adhesives

	14	34	43S	47	63
	Metal - rubber Metal - plastic Ceramics.	All-round for difficult-to-glue plastics/rubber.	All-round for plastic, wood, leather, cork, paper.	Gel for bonding porous / vertical surfaces.	Odorless, no white discoloration. For other viscosity choose 61 or 67.
Fixation time (seconds)	4 - 8	1 - 2	3 - 4	10 - 20	8 - 15
Temperature range °C	-50 +80	-50 +80	-50 +80	-50 +80	-50 +80



Two-part acrylic adhesive

	Superlox	AC54-65		3459	3460
	2-component fast-curing universal adhesive for all materials, e.g. difficult-to-glue plastics, metal, wood, etc.	2-component fast-curing univer-sal adhesive for oily plastics (PP, PE, PTFE, PEEK, Nylon, PBT, Acetal etc.)		Gel used with Loxeal Activator. Very fast setting time.	2-component adhesive for olefin plastics and other plastic bonding. No primer required.
Shear strength (N/mm2)	12 - 14	18 - 21	5 - 9	12 - 18	20 - 30
Temperature range °C	-30 +80	-40 +100	-30 +80	-30 +80	-40 +120(+140)



Two-part epoxy adhesives

	31-42	Metalox	35-44	36-10	4401
	Fast epoxy All-round transp. 5-10 min fixing time.	Fast-curing 2K epoxy resin for repairs of metal, concrete, wood.	Reinforced flexible colorless 15-20 min fixing time.	All-round strong flexible slow 1-2 hour setting time.	Reinforced, semi-flexible, high temperature resistant.



Activators - primers - cleaners

	7	9	10	11	CR2
	PRIMER For difficult-to-bond plastics, silicone, PTFE, polyolefins with instant adhesive.	ACTIVATOR For post-curing of instant adhesives under difficult con-ditions.	CLEANING All-round cleaning spray for metal and plastic.	ACTIVATOR For rapid curing of anaerobic adhe-sives and locking fluids.	GLUE SOLVER Quick glue remover, solvent-free.



UV Curable adhesives

	30-11	30-20	30-21	30-23	30-60
	For plastic, app-roved according to ISO 10993 for medical applica-tions.	For bonding glass/crystal clear, colorless.	For bonding glass/crystal to metal - not optically clear.	Capillary for bonding large surfaces - opti-cally clear.	GEL-like, does not drip or run, for glass / crystal.

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LOXEAL®
ENGINEERING ADHESIVES

ANAEROBIC ADHESIVES

Anaerobic adhesives are liquid resins that polymerize when placed between two adjacent metal surfaces. The adhesive fills all small cavities in the metal surfaces and thus enables 100% metal contact between the surfaces, which provides better stress distribution. The cured adhesive seals against water, gas, oil, liquids and chemicals. Maximum gap filling for threaded parts is 0.5 mm. For cylindrical joints, a maximum of 0.1 mm is recommended and for thread locking, a maximum of 0.3 mm. The setting time depends on the gap size, type of metal and temperature, and varies from a few minutes to an hour. Working strength is reached within 1-2 hours. The working temperature range is between -50°C and +150°C for the standard products, however, there are special variants that work well up to temperatures around +250°C. Anaerobic adhesives are designed and produced for the following applications:



THREAD SEALING

For sealing and locking threaded parts against compressed air, gas, water, oil and other industrial fluids. Ideal replacement for hemp and PTFE tape. Anaerobic thread sealing products have excellent vibration and heat resistance. Available in different strengths and certified to a variety of international standards such as DVGW, NSF, WRAS, KTW and BAM.



THREAD LOCKING

For locking bolts, nuts, screws and other threaded parts. The adhesive prevents the joint from loosening due to vibration, mechanical or temperature influences. It also stops crevice corrosion and prevents rusting and thread stripping.



FLANGE SEAL

For sealing flat flanges on pumps, gearboxes and similar types of housings. Replaces traditional gaskets and allows contact between metal surfaces, providing a secure seal that will not set due to vibration or temperature. Forms a flexible and elastic seal that is resistant to vibration, heat, oil and other industrial fluids. Parts sealed with anaerobic sealants can be dismantled with standard tools.



CYLINDRICAL ATTACHMENT

For locking and securing bushings, ball bearings, cylindrical pins, pulleys, pins, gears, and other cylindrical parts. The products increase the strength of joints in connection with press and shrink fits or when parts are exposed to wear. They also allow for greater tolerances during machining - something that saves machining costs, and prevents crevice corrosion, parts loosening, vibrations and seals against fluids.



QUICK GLUE

Instant glue (cyanoacrylate glue) is used for fast and strong bonding of rubber, metal, ceramics, leather, and many plastics. Best results are achieved when the adhesive gap is less than 0.1 mm (or 0.2 mm with special types). The working temperature is between -50°C and +80°C, but newly developed variants are available approved to +180°C. For porous surfaces or vertical application there is a gel variant.



2-COMPONENT EPOXY ADHESIVE

These adhesives provide strong, structural adhesive bonds. The products are suitable for bonding metal, ceramics, wood and some plastics. They are packaged in practical double cartridges. Curing starts when the 2 components are mixed (base and hardener). Fixing times are from 5-10 minutes up to 2 hours. By applying heat, the curing time can be shortened. Working temperature between -40°C and +120°C.



2-COMPONENT ACRYLIC ADHESIVE

2-component adhesive that provides flexible, high-strength joints. The adhesive polymerizes (hardens) upon contact with an activator (mixing of the components is not required). Max gap filling up to 1 mm. The adhesives are designed to bond metal and ceramic parts, glass, wood and certain plastics. Working temperature range between -50°C to +165°C.



UV CURING GLUE

Cures in seconds under UV light, creating a transparent film that does not yellow over time. The products are designed to bond glass, crystal, metal and some plastics normally found in the manufacture of furniture and small parts. Working temperature range between -50°C and +120°C. A newly developed gel formulation is available for drip-free and vertical applications.

DOSAGE SYSTEM

Electropneumatic dosing systems for precise dosing of adhesives (drops, strings, etc.). The units consist of: adhesive container, pneumatic dosing valve with PTFE and PE connections, dosing pen, foot pedal. Available for anaerobic adhesives and cyanoacrylate adhesives.

Production plant, Loxeal Italy



Office and warehouse, Tribotec Sweden



Certificates and approvals









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Metallvägen 2, SE-435 33 Mölnlycke
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Recommendation table Loxeal adhesive



LOXEAL®
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