

# HS 897 - ADHESIVE STANDARD

## TABLE OF CONTENTS

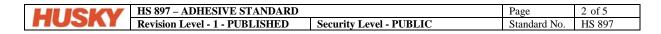
1	PUI	RPOSE	.2
2	DO	CUMENT CONTROL	.2
3	REI	FERENCES	.2
4	ADI	HESIVES	.2
	4.1	USAGE	2
	4.2	SELECTION	3
5	LIN	IKS	.5

## TABLE OF TABLES

Table 1 - Adhesive Selection for Specific Applications	3
Table 2 - Adhesive Selection for General Applications	3
Table 3 - Adhesive List	4

# **REVISION LOG**

Rev	v Remarks				
0	Original Issue				
1	Added Loctite 668 per SR 60966				



#### **1 PURPOSE**

This standard contains a list of approved adhesives, thread lockers & retaining compounds for use in Husky systems. Specific product selection is the responsibility of the equipment operator/owner and may depend on climate, application, performance and regional/regulatory requirements.

### 2 DOCUMENT CONTROL

Revisions to this document shall be authorized by Corporate Operations.

#### **3 REFERENCES**

HS 252 – Standard Assembly Torques

HS 609 - Lubricants and Coolants

## **4 ADHESIVES**

### 4.1 USAGE

- Clean threads of machine oils and lubricant to maximize bonding of adhesive.
- For thru holes, apply the adhesive onto the bolt at the thread engagement area.
- For blind holes, apply the adhesive to the fastener and the internal threads down to the bottom of the hole. If the adhesive is only applied to the fastener, air pressure will force the liquid thread locker to escape as you torque down.
- For disassembly: Remove with standard hand tools or in rare instances where hand tools do not work because of excessive engagement length, apply localized heat to nut or bolt to approximately 250°C. Disassemble while hot.



## 4.2 SELECTION

#### Table 1 - Adhesive Selection for Specific Applications

	Application		Food Grade	Non-Food Grade	
Cam followers, set sc hot runner manifold			Not Available	Loctite 248 Loctite 242	
Screws installed into threads for: Sprue B Transfer Bushing scr m	ushing screws, Sp	rue Bar screws,	See HS 609 – Lubricants and Coolants		
FITTING LUBRICATION	STEEL	NPT			
AIR	STEEL, ALU and BRASS	NPT			
	STEEL and BRASS	NPT	Loctite 567	Loctite 567 Loctit	Loctite 577
WATER	ALUMINUM	NPT			
	STAINLESS STEEL	NPT			
ULTRASYNC & ULTRASHOT	STEEL TRANSITIONAL FIT	TRANSITIONAL	Not Available	Loctite 603 (USync E & Ultrashot))	
GUIDE ELEMENTS			Loctite 668 (USync P & H)		

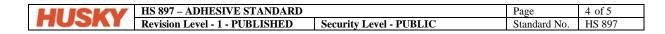
#### Table 2 - Adhesive Selection for General Applications

Application		Connection			Product Name	Other Notes	
	ACTIVE METALS	Fasteners M5 and smaller	Removable with hand tools	Low Strength	-55 to 150 Degrees C	Loctite 222 (purple)	
		Fasteners M6 to M20	Removable with hand tools	Medium Strength	-54 to 149 Degrees C	Loctite 242 (blue)	
MECHANICAL		Fasteners M6 to M20	Removable with hand tools	Medium Strength	-54 to 149 Degrees C	Loctite 243 (blue)	Faster cure time and better oil resistance than with Loctite 242
		Fasteners M10 to M25 (or greater)	Removable with heat and hand tools	High Strength	-54 to 150 Degrees C	Loctite 271 (red)	
	INACTIVE METALS*	Fasteners M6 to M20	Removable with heat and hand tools	Medium Strength	-54 to 149 Degrees C	Loctite 2440**	
		Fasteners M10 to M25 (or greater)	Removable with heat and hand tools	High Strength	-54 to 149 Degrees C	Loctite 2760**	

\* Inactive metals include stainless steel, zinc, magnesium, black oxide, cadmium, anodized aluminum, passivated titanium, etc.

\*\* 2440 and 2760 are primerless thread locking adhesives designed for use with most inactive metals except anodized aluminum.

Note – The use of Loctite 222, 242, 243 and 271 without the use of a primer on inactive metal threads results in lower bond strengths as well as significantly increased cure times.



#### Table 3 - Adhesive List

Product	Manufacturer	Name	Product Use
ADDRESS AND ADDRESS ADDRES ADDRESS ADDRESS ADD	LOCTITE	Loctite 567	General purpose instant sealer for tapered and straight/tapered fittings Food grade
THINKAR BALANT TO 1929	LOCTITE	Loctite 577	Designed for the locking and sealing of metal threaded pipes and fittings. Particularly suitable for use on stainless steel without the need for surface activation Non-food grade
LOCTITE 222 Tarrase Carlos Carlos Carlos	LOCTITE	Loctite 222	Low Strength Viscosity Low, thixotropic General purpose thread locker Breakaway torque 6Nm (M10) Color: Purple Liquid form
AGECTITE 242 	LOCTITE	Loctite 242	Medium strength Medium viscosity General purpose thread locker Breakaway torque 12Nm (M10) Color: Blue Liquid form
ACTIVE LOCATION 243 ACTIVE 243 AC	LOCTITE	Loctite 243	Medium strength Medium viscosity General purpose thread locker Breakaway torque 20Nm (M10) Color: Blue Liquid form
	LOCTITE	Loctite 271	High strength Low viscosity General purpose thread locker Breakaway torque 28.5Nm (M10) Color: Red Liquid form



 HS 897 - ADHESIVE STANDARD
 Page
 5 of 5

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RECTICE 1 24400 NEARCH NEAR	LOCTITE	Loctite 2440 DISCONTINUED → Replace w/ Loctite 243	Medium strength Medium viscosity General purpose thread locker Breakaway torque 24Nm (M10) Color: Blue Liquid form Primerless
LOCTITE 2760 Win Sin 214 - 1	LOCTITE	Loctite 2760	High strength Medium viscosity General purpose thread locker Breakaway torque 37Nm (M10) Color: Red Liquid form Primerless
MUCACOTIE MUCACOCIE Mar unan time	LOCTITE	Loctite 248	Medium strength Medium viscosity General purpose thread locker Breakaway torque 12Nm (M10) Color: Blue Convenient stick format prevents dripping
	LOCTITE	Loctite 603	Retaining Compound High strength. Ideal for bearings. For use on close-fitting cylindrical parts. High oil tolerance
BOLLINE AND ADDRESS OF	LOCTITE.	Loctite 668	Retaining Compound Medium to High strength. For use on close-fitting cylindrical parts. Very high oil tolerance Wax/solid form stick to prevent dripping

## 5 LINKS

Loctite Safety Data Sheets