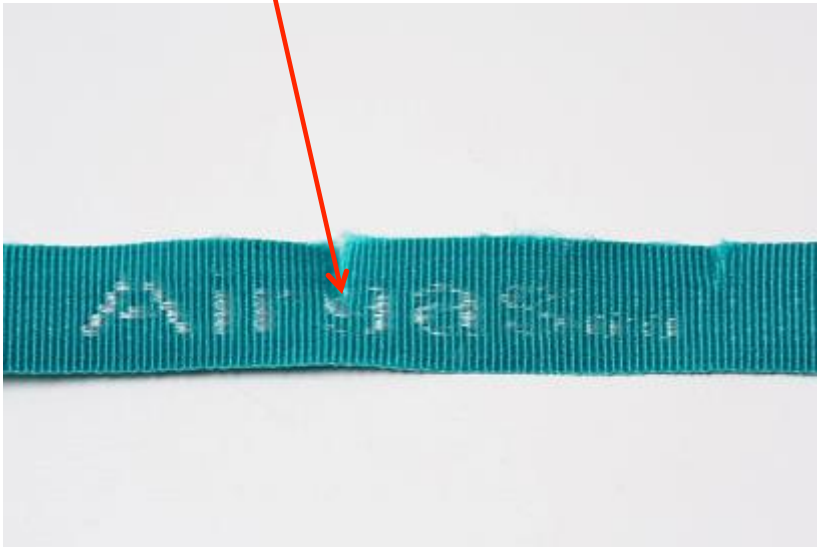


Strap in a MIT lab tore like paper during cylinder change



Replace strap if you find

Cut/Tear--Any size

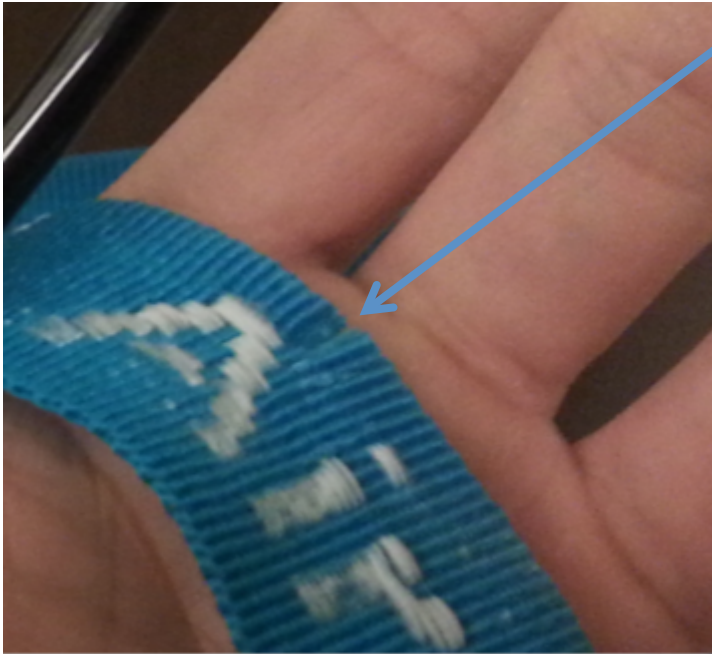


Fraying



**Excessive wear,
webbing is thinning**

Strap with a small tear



- Check straps when you change cylinders
- Bend the strap, look at the edges, and run your hand along the entire strap

How to determine if a strap is safe

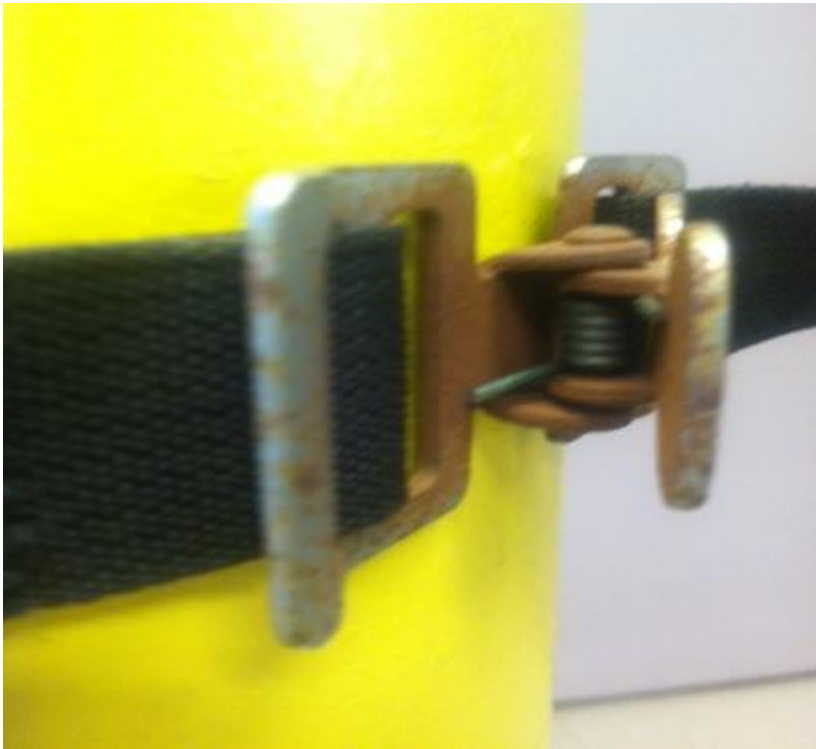


Pull the strap
if the tension
spring slips,
replace the
strap

if the strap
stays taut,
strap is OK.

Inspect the tension spring for corrosion and loss of tension

Rusty handle/ spring is OK



Torn cotton blend belt no spring



Comparison of Cylinder Strap Specifications

Vendor Name and model #	Webbing Material and dimensions	Treated with UV inhibitor Fire retardant	Buckle material and corrosion resistance	Strap strength tested at ## psi	Date tag
Airgas	Polyester	Yes--UV Yes--Fire	galvanized steel tension buckle with stainless steel spring	1500	yes
USA safety GB100AFS	1.5" polypropylene	Yes--UV No--Fire	Nickel plated steel spring buckle	1,138	no
Matheson 711 Strap 711-R Ratchet Strap	1.5" polypropylene	?--UV ?--Fire	steel buckle	1,138	?
ThermoFisher 02-216-369 TROEMNER No.:971048	1" nylon	?--UV ?--Fire		1500	

VWR sells the USA, Matheson and ThermoFisher straps.
Updated 11/18/14

Strap 2 cylinders together

Wall or bench
Brackets are
strong enough to
hold two cylinders

