



HAND SAFETY IN THE WORKPLACE

Matt Geandreau
Superior Glove Northeast Territory Manager
New England Roundtable Online Series



Agenda

- About Superior Glove & Matt
- “But I only work in shipping/receiving”
- The *right* glove matters
- Real Stories
- Incorporating nudges
- Hand Safety Program
- I sure would like to talk to Matt again...

Protection workers want to wear

Workers shouldn't have to choose between comfort and safety. We innovate to fit the protection workers need into comfortable PPE they'll want to wear.

- 1910 – Present
- Family owned and operated
 - Frank Geng (Founder)
 - Tony Geng (President)
 - Joe Geng (Vice President)
- Canada's Best Company 2020-2021
- Focus on making products in North America



Matt Geandreau

- Northeast US Territory Manager
- Buffalo to Bangor – NY, VT, NH, ME, RI, MA, CT
- Hand Safety Specialist
- Used to be a “Mad Man”, *Now I only look like Don Draper.*
- I care about...
 - Safety
 - Workers returning home the same way they left
 - Providing solutions to problems



“But I only work in Shipping/Receiving”



Impact



Arc Flash



Cut



Flame



Puncture



Vibration



Heat



Abrasion



Crush



Cold

- True – and there are gloves for all of them!
- Hazards and hand injuries are commonly associated with :
 - Construction
 - Industrial
 - Utilities

Cardboard Manufacturing USA

1.	International Paper Company	51,000 employees
2.	Georgia Pacific	46,000 employees
3.	WestRock Company	51,000 employees
4.	Packaging Corp. of America	15,000 employees

Top 4 companies 160,000 workers



Retail Distribution Centers

Big Companies, big impact, big sustainability goals

1.	Walmart	150 DCs	1,000-1,500 onsite
2.	Amazon	110 DCs	1,000-1,500 onsite
3.	Target	46 DCs	500-1,000 onsite
4.	ACE Hardware	17 DCs	500-1,000 onsite

Let's not forget about other their environments

- Sharp blades
- Dry, slick surfaces
- Hand fatigue
- Varying temperatures



Why the Right Glove Matters

70%



Of workers who experienced hand injuries **were not wearing gloves**

30%



Experienced injury because the gloves they were wearing were **inadequate, damaged, or the wrong type**



Fits...
Like a Glove



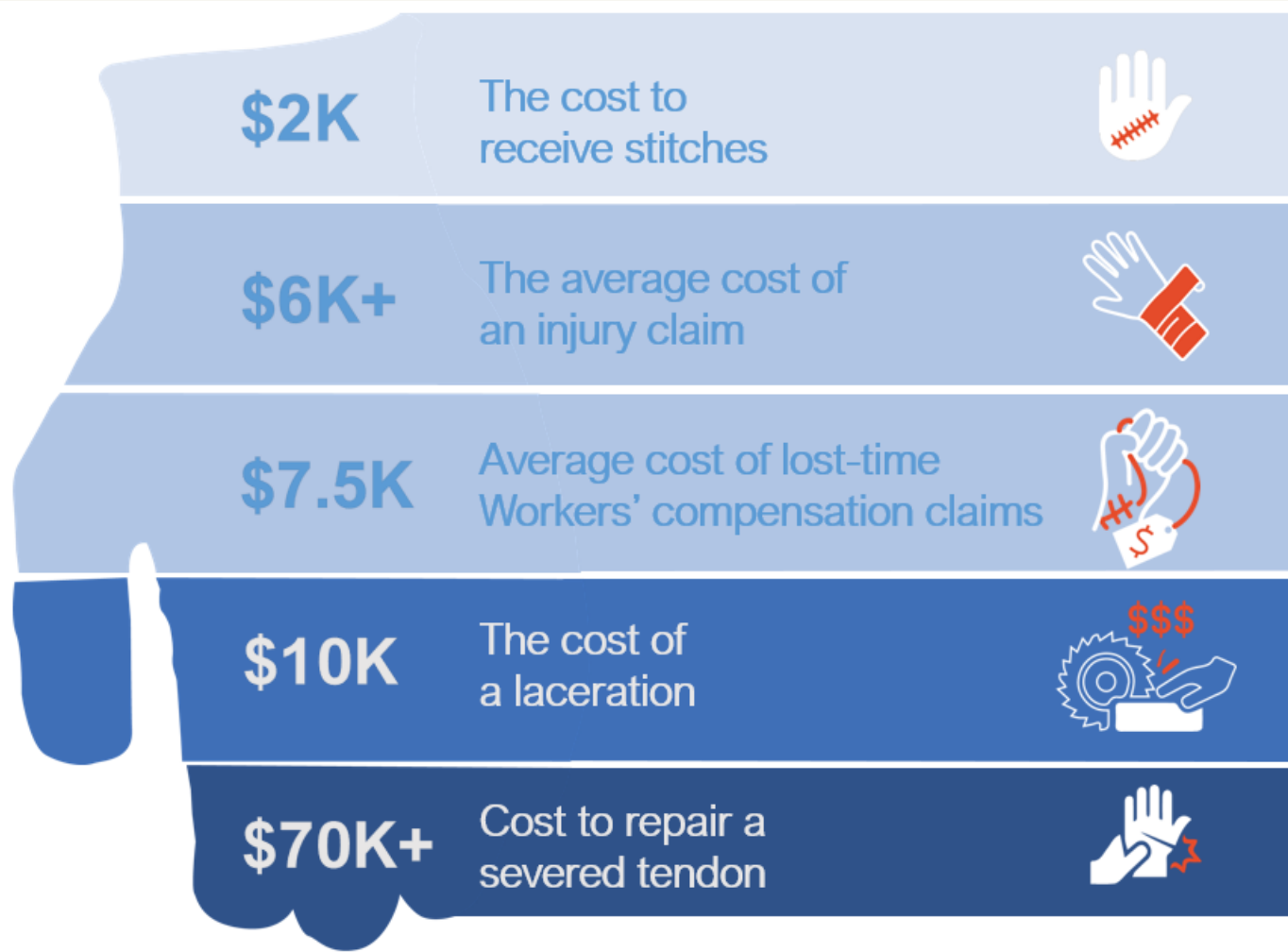
Let's you do
your job



Protects from
occupational hazards

The Iceberg Effect










PLUS... productivity loss, drop in morale, increase in insurance costs, training costs of a replacement employee and long-term, life-changing impacts to injured employees



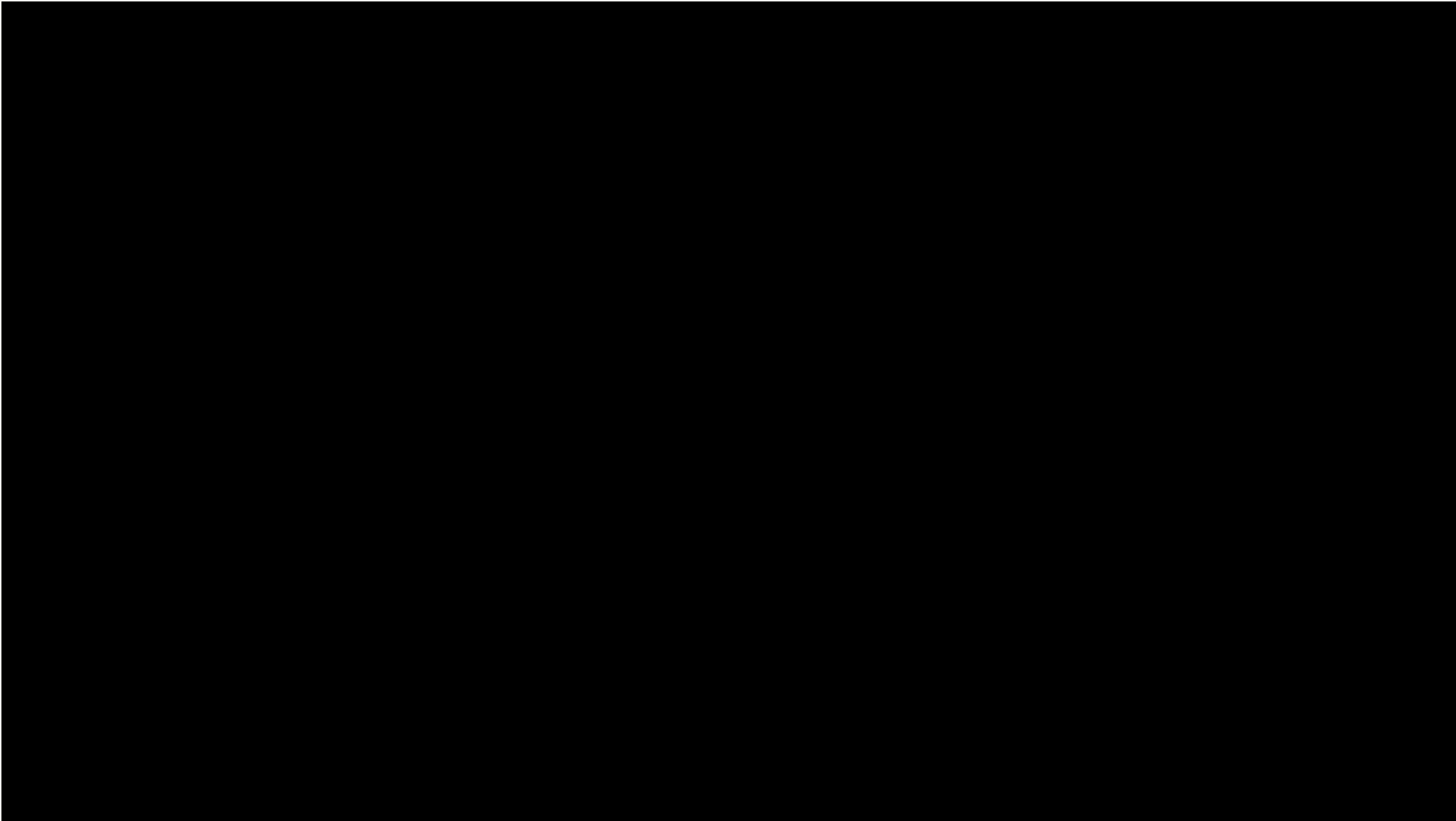


CUT RESISTANCE

Which *Cut Level* do I choose?

 ANSI A1 CUT	 ANSI A2 CUT  ANSI A3 CUT	 ANSI A4 CUT	 ANSI A5 CUT  ANSI A6 CUT	 ANSI A7 CUT  ANSI A8 CUT  ANSI A9 CUT
NUISANCE <i>Cut Hazards</i>	LOW <i>Cut Hazards</i>	MODERATE <i>Cut Hazards</i>	HIGH <i>Cut Hazards</i>	EXTREME <i>Cut Hazards</i>
200 – 499 grams to cut Paper Cuts, Material Handling, Parts Assembly	500 – 1,499 grams to cut Material Handling, Small Parts Handling, General Purpose, Warehouse, Construction	1,500 – 2,199 grams to cut Bottle & Glass Handling, Drywalling, Electrical, HVAC, Automotive Assembly, Metal Handling	2,200 – 3,999 grams to cut Sharp Metal Stamping, Metal Recycling, Pulp & Paper, Automotive, Aerospace Industry, Meat Processing	4,000 – 6,000+ grams to cut Sharp Metal Stamping, Butchering, Pulp & Paper, Oil & Gas, Industrial Pipe Fitting, Sheet Metal, Steel Cable Handling, Food Processing

[ANSI & ASTM Standards Guide – www.superiorglove.com/catalogs/ansi-guide/](http://www.superiorglove.com/catalogs/ansi-guide/)



IMPACT RESISTANCE

Which *Impact Level* do I choose?

ANSI / ISEA 138 is the first impact standard for the North American market and goes above and beyond the requirements in the European standard, EN 388. Under the new standard, both the knuckles and fingers are tested and the lowest impact protection level achieved is the one assigned to the glove. It is the only standard that requires testing be conducted by a third-party in an accredited lab, a first for PPE protection standards.

ANSI / ISEA 138



MEAN \leq 9
All Impacts \leq 11.3 kN

ANSI / ISEA 138



MEAN \leq 6.5
All Impacts \leq 8.1 kN

ANSI / ISEA 138



MEAN \leq 4
All Impacts \leq 5 kN



STAFGFNVB

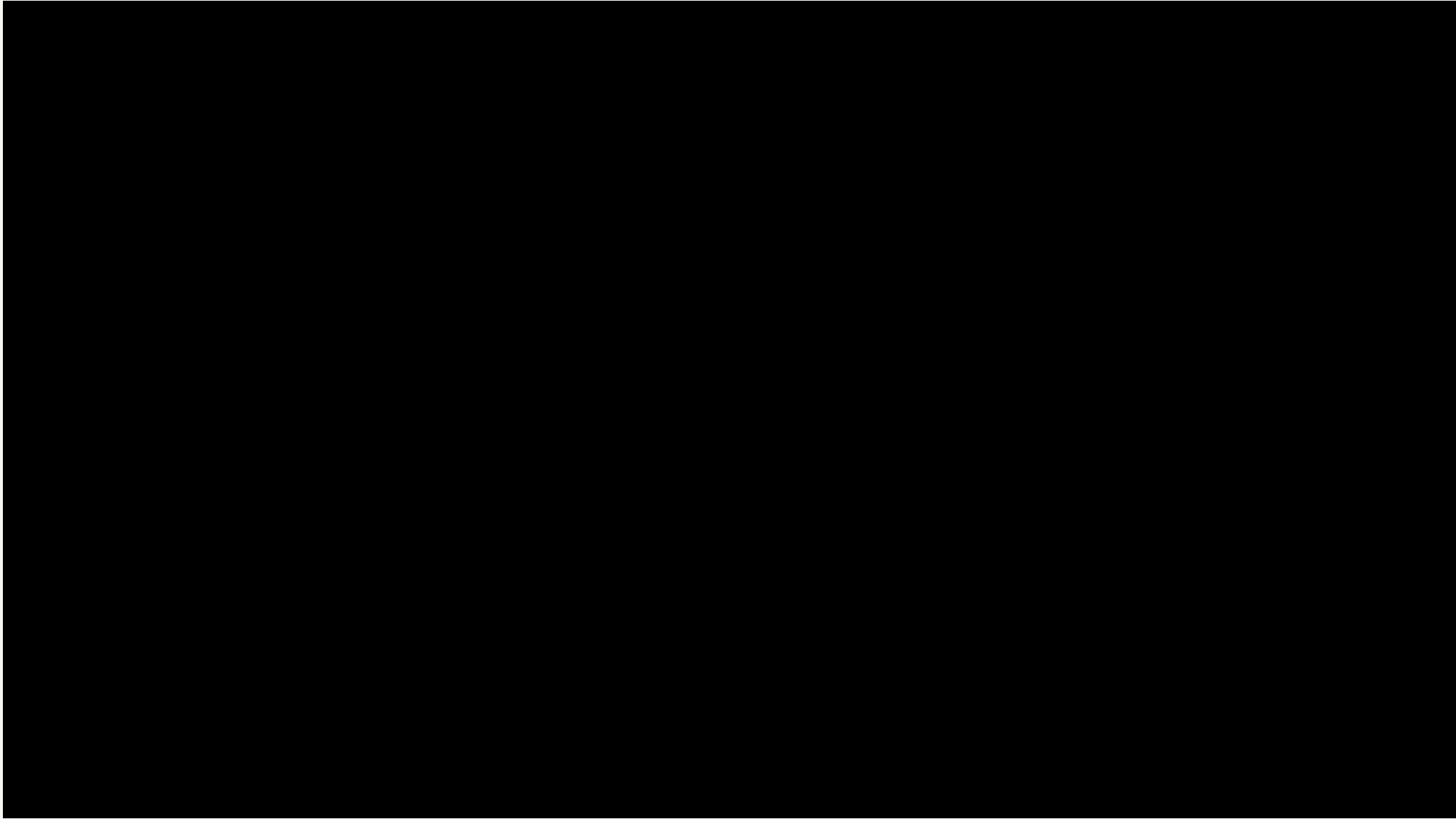


S15KGVNVB



378GKG4P













[ANSI & ASTM Standards Guide – www.superiorglove.com/catalogs/ansi-guide/](http://www.superiorglove.com/catalogs/ansi-guide/)



PUNCTURE RESISTANCE

Which Puncture Level do I choose?

Most puncture gloves only protect the palm area of the hand, which is okay for many applications — just be aware of this. Full-coverage puncture gloves are available, but they tend to be more expensive and offer less comfort and dexterity.

ASTM F2878: FINE OBJECT PUNCTURE THREAT 					EN 388:1994: LARGE OBJECT PUNCTURE THREAT 				
 ANSI 1 PUNCTURE	 ANSI 2 PUNCTURE	 ANSI 3 PUNCTURE	 ANSI 4 PUNCTURE	 ANSI 5 PUNCTURE	 ANSI 1 PUNCTURE	 ANSI 2 PUNCTURE	 ANSI 3 PUNCTURE	 ANSI 4 PUNCTURE	 ANSI 5 PUNCTURE
≥ 2 Newtons of Puncture	≥ 4 Newtons of Puncture	≥ 6 Newtons of Puncture	≥ 8 Newtons of Puncture	≥ 10 Newtons of Puncture	≥ 10 Newtons of Puncture	≥ 20 Newtons of Puncture	≥ 60 Newtons of Puncture	≥ 100 Newtons of Puncture	≥ 150 Newtons of Puncture
Waste Handling, Law Enforcement, Pulp & Paper, Recycling (risk of needles)					Glass, Recycling (without risk of needles), Lumber				



ANSI/ISEA 105

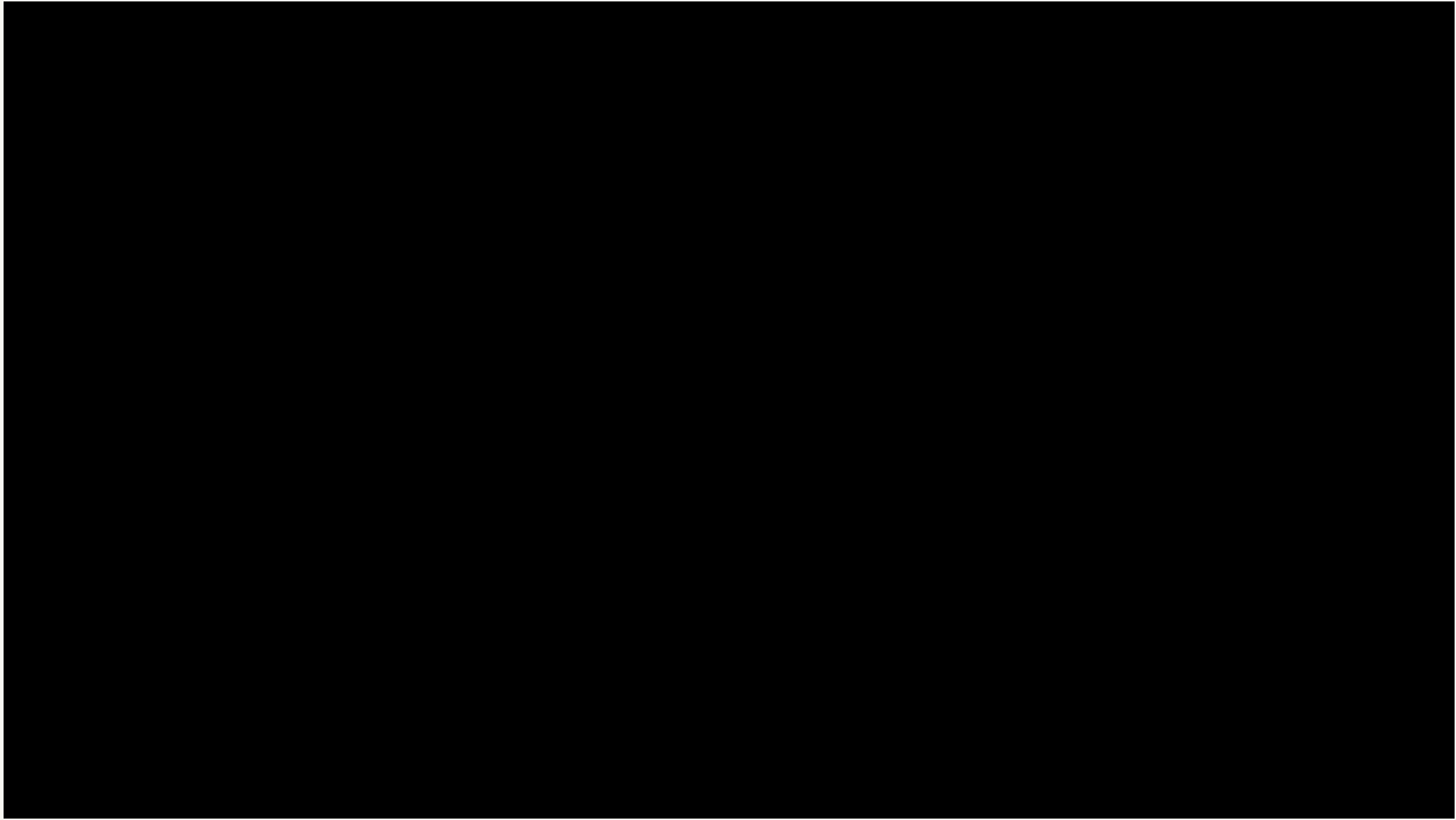
Fine Object
Puncture Threat



EN 388

Large Object
Puncture Threat

[ANSI & ASTM Standards Guide](http://www.superiorglove.com/catalogs/ansi-guide/) – www.superiorglove.com/catalogs/ansi-guide/



Palm Coatings

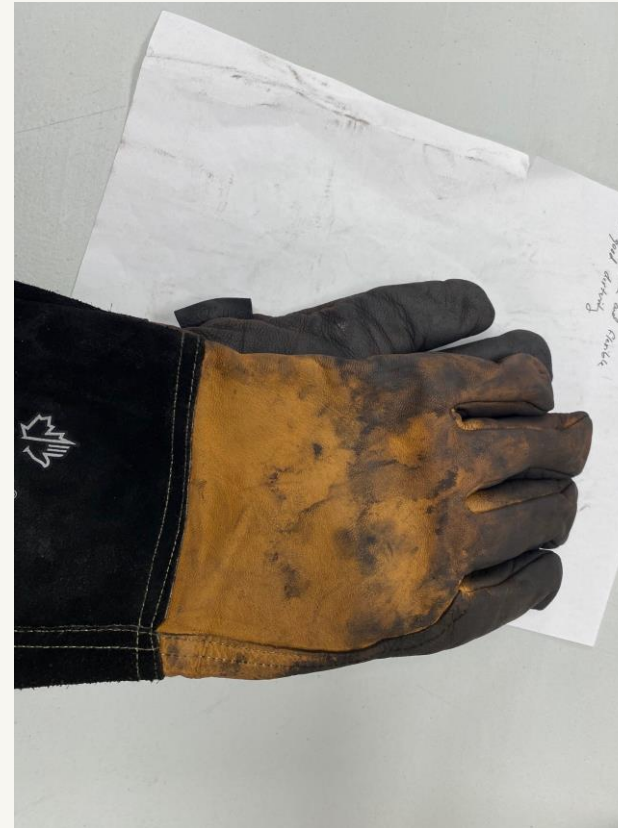
Key | Excellent ★★★★★ Good ★★★ Moderate ★★ Poor ★

 Palm Coating	 Dry Grip	 Wet Grip	 Suitability for use with Adhesives	 Durability	 Comfort
Polyurethane (PU)	★★★★★	★★	★	★★	★★★★★
Neoprene	★★★	★★	★	★★	★★★
Nitrile	★★★	★	★	★★★★★	★★
Foam Nitrile	★★★	★★★	★	★★★	★★★
Micropore Nitrile	★★★	★★★	★	★★★★★	★★
PVC	★★★	★★	★★★★★	★★	★★
Latex	★★★★★	★	★	★★★	★★★
Silicone	★★★★★	★	★★★★★	★★★★★	★★

Don't over-use PPE



Don't over-use PPE



Multiple Needs

- Pinch points
- Grip
- Oily parts
- Touchscreens
- And the facility requires A4 cut protection



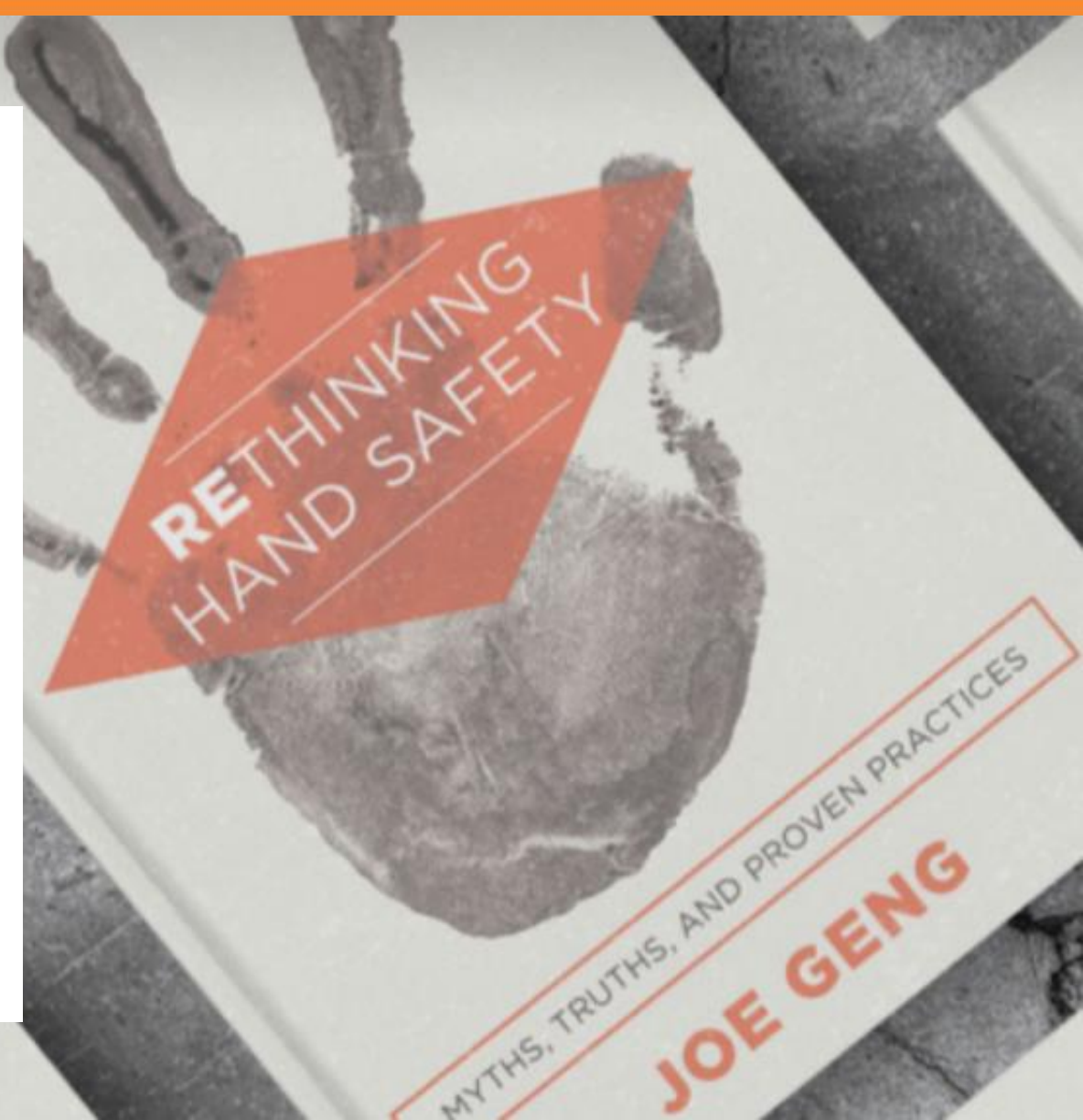
Real Stories: *We Can't afford NOT to*

Hand Safety Program

- Onsite assessments
- Glove sampling and selection
- Hand safety guides

Education and Training

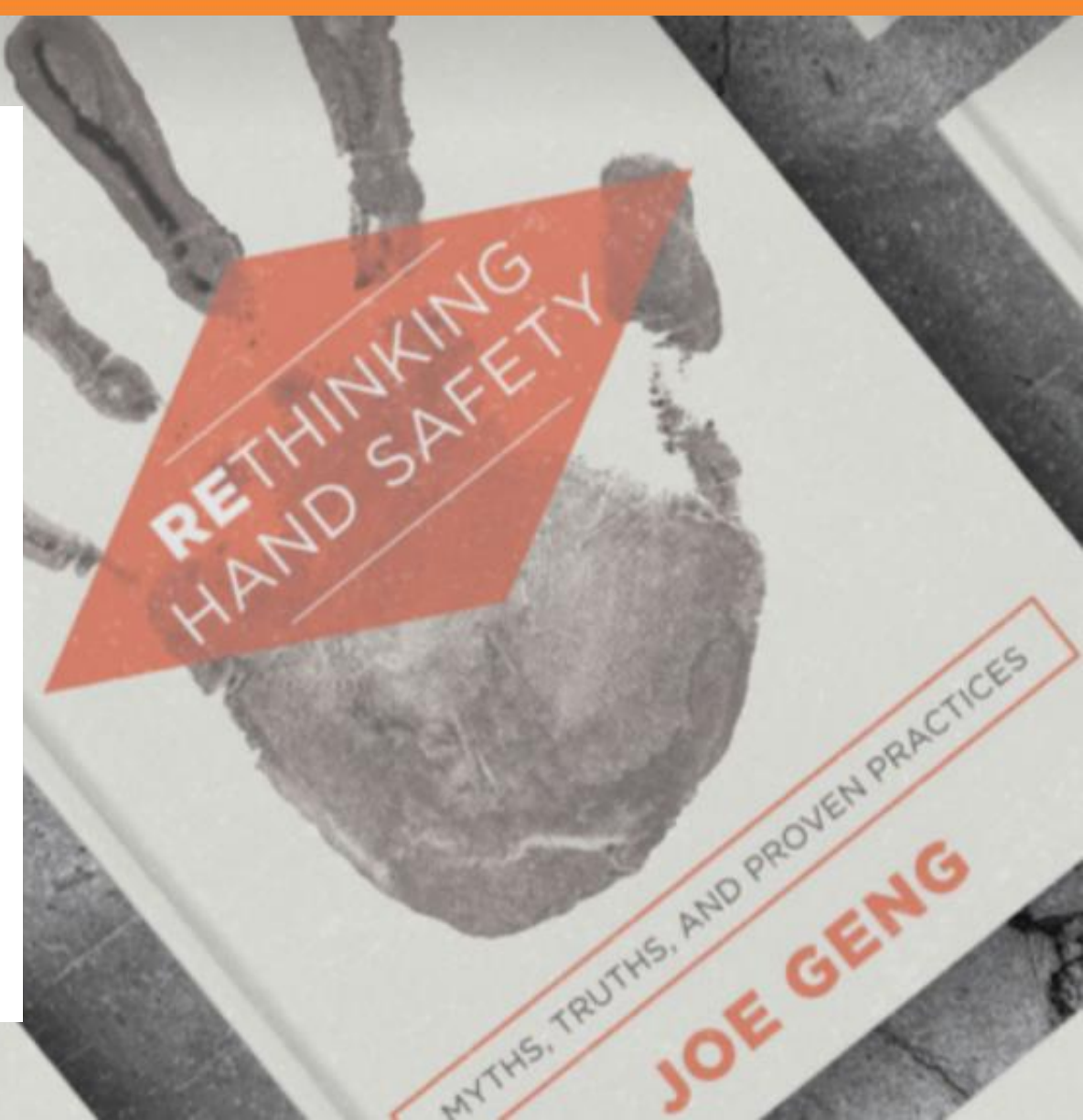
- Webinars
- Visual aids
- Toolbox talks



Real Stories:

How long do we have to reattach fingers?

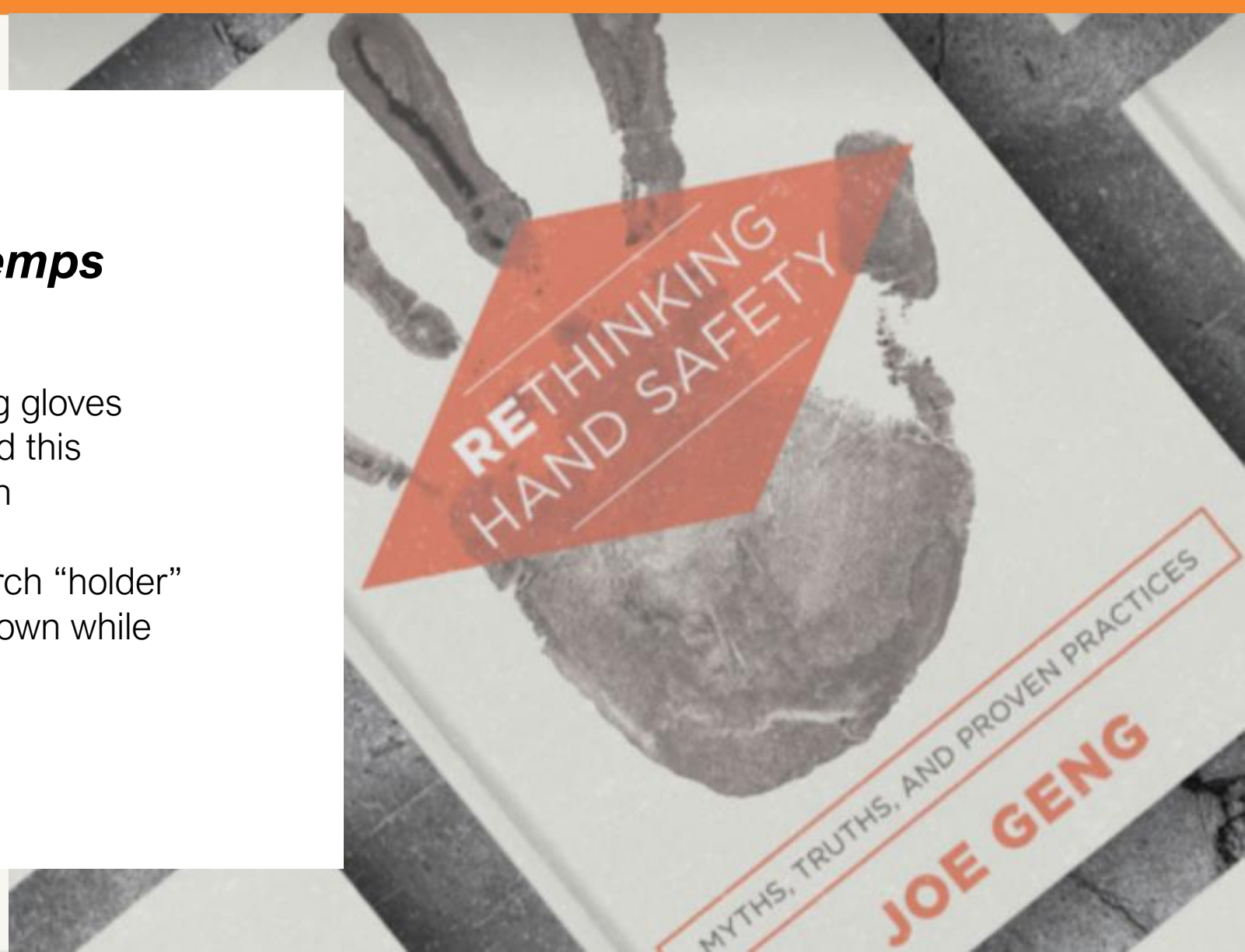
- Table saws are dangerous
- VERY easy to contact blade to fingers
- People are confident about their abilities
- Or is it “over-confident”
- Don’t use the guides and proper pushing tools
- Loss of 3 fingers and a phone call to the hospital
- “How long do we have...”
- “Put the fingers in a bag of ice and get here immediately!”



Real Stories:

1500 Degrees Welding Temps

- Welder burns hand
 - Was wearing 2 pair of welding gloves
 - PPE could not have prevented this
 - Surgery to repair burned flesh
- Outside of the box solutions
- Company developed a welding torch “holder” so that the torches could be set down while moving parts around



Nudges

- Incidents can decrease with “nudge” signage
- Everyone has moments when they forget something
- Reminders should be friendly and polite
- A great way to show the workforce that the company cares

Worksite Entrance



No clear identifier for when PPE should be worn

Recommended nudge



Recommended nudge



Site Office Entrance



Recommended nudge



Site Entrance Nudge



Main Hallway Nudge









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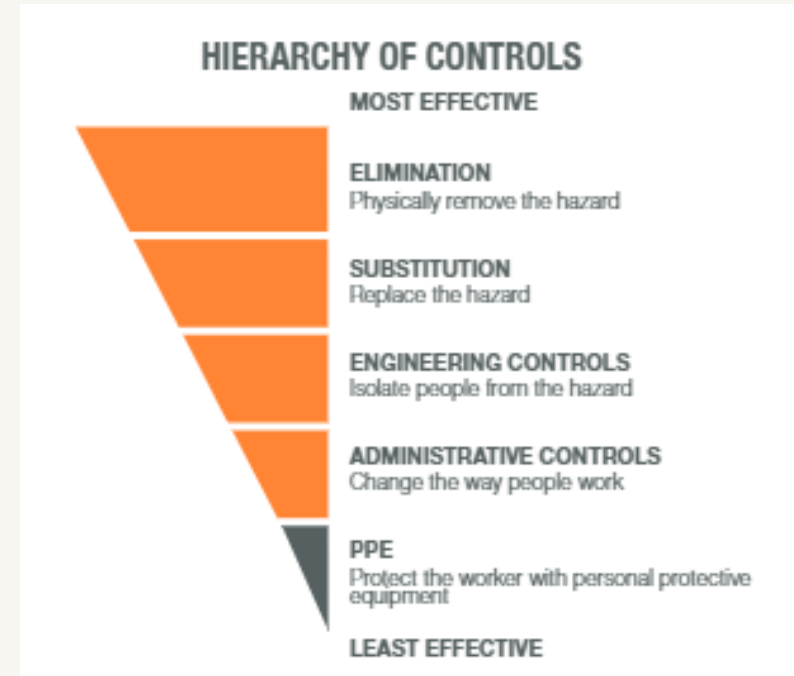
WHICH GLOVE IS RIGHT FOR YOU?

TRADE	WORKSTATION	RISK	PRIMARY GLOVE	SECONDARY GLOVE	OTHER GLOVES
<p>TRIM SAWS, LOG CHASER, BOARD EDGES, TRIM SPOT, SWITER 1+2 & STACKER</p>		<ul style="list-style-type: none"> CUT PRESSURE VIBRATION 			
<p>BECHERON, MILL WINDUP & WOLVER</p>		<ul style="list-style-type: none"> HEAT PUNCTURE 			



Hand Safety Program

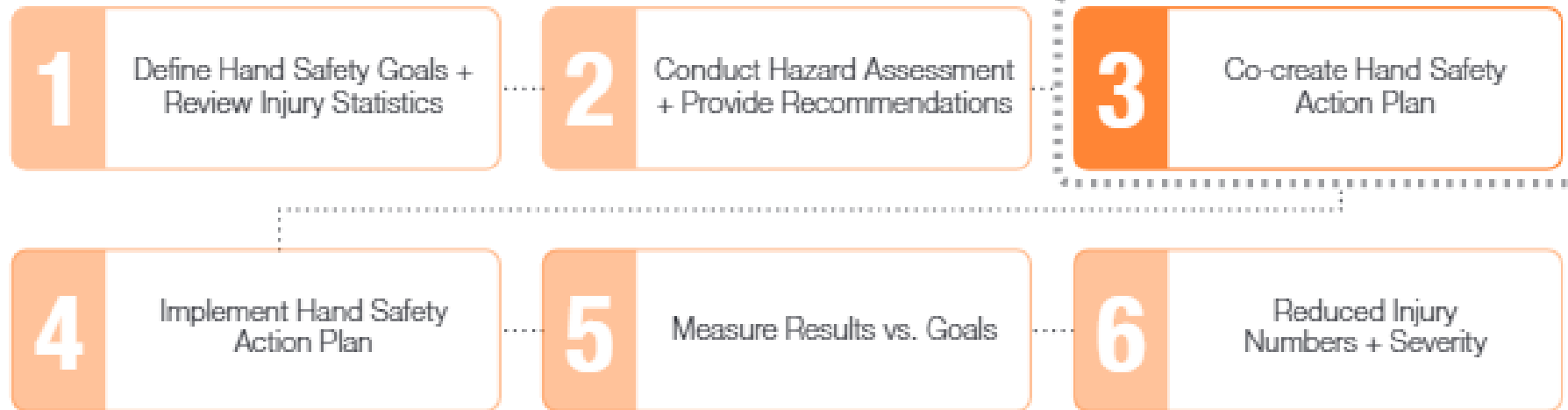
- SAFETY for the workforce has to be the priority
- FREE – no charge for this in-depth consultation and review
- Distributor-free, this is NOT a sales pitch. Manufacturer hand safety specialist comes to your site to work with EHS/Safety Managers and the workers to evaluate best hand safety solutions
- No obligation to purchase our products following the review and recommendations
- 200+ Glove users onsite preferred (across all job functions/roles)



Hand Safety Program

SO HOW DOES OUR **ON-SITE** HAND SAFETY PROGRAM WORK?

YOU ARE HERE!



Thank You!

“I Sure Would Like to Talk with Matt Again...”

Matt Geandreau

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