

PRODUCT KNOWLEDGE SESSION

2019





AGENDA

INTRODUCTION

CUT RESISTANT STANDARDS

IMPACT RESISTANT STANDARDS

SUSTAINABILITY INITIATIVES

INNOVATION

GAME TIME



THE NEW CUT STANDARDS

TYPES OF CUT HAZARDS



- 3 Specific kinds of cuts in work place:
 - Slicing slicing skin across sharp edge (blade cuts)
 - Abrasion results of continuous or repeated rubs and drags (rough edges)
 - Punctures

 results of sharp objects impacting the skin (barbed wire, glass shards)



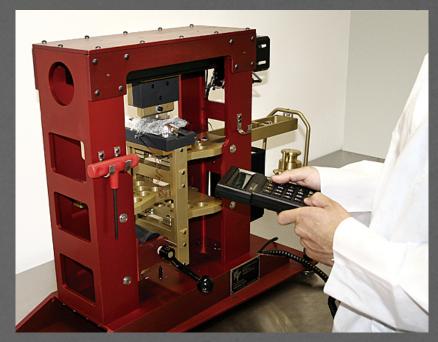




STANDARDIZING THE TEST (EN388 and ANSI cut)

cut)

TDM 100 CUT MACHINE FOR EN388 & ANSI CUT TEST



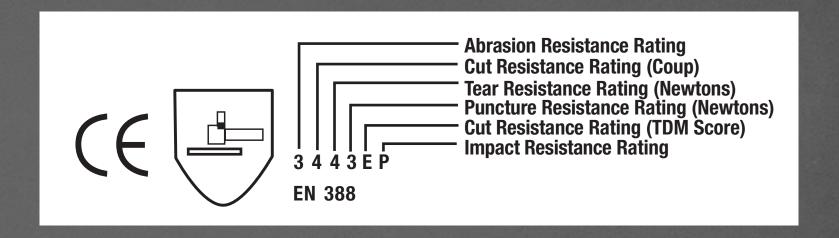
A glove sample is placed on a conductive strip loaded on the TDM-100 machine. As soon as metal blade cuts through glove & touches metal strip, test is finished

- Straight blade, changed after every pass to ensure accuracy
- Weight is added to serve as force
- Sample is cut 5 times, each with different load
- Data is used to determine load (weight) required to cut through sample

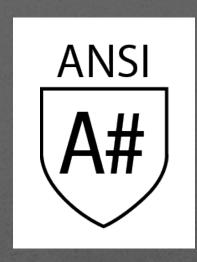
GLOVE MARKINGS



EN388:2016 MARKINGS:



ANSI F2992-15 MARKINGS:



CHOOSING YOUR NEXT CUT GLOVE WHAT TO KNOW BEFORE YOU BUY





LISTEN UP!

Did you know that the glove cut standards have changed?
ANSI has introduced a new version of the ANSI/ISEA 105
standard to create consistency between the ANSI and
EN 388 testing methods as well as to account for recent
advances in technologies and glove fabrics. They've
introduced a whole new rating system ANSI (A1-A9). Check
out the chart below to figure out which cut level will give
you the protection you need.

CHOOSING YOUR CUT LEVEL

(F2992-15) ANSI

Cut rating from Measured in Grams of A1-A9 (9 levels) Force 1gf = 0.0098N





EN388 (ISO 13997)

A 2 N (203 gf)

Measured in Newtons 1N = 101.97gf Cut rating from A-F (6 levels) *proposed

Application

Extreme

High

Moderate

Low Hazards

			A9	6000+ gf	Metal Mesh	
Recycling Sortin		ı	A8	5000 - 5999 gf		
AL			A7	4000 - 4999 gf		
	F 30 N (3059 gf)		A6	3000 - 3999 gf		
	E 22 N (2243 gf)		A5	2000 - 2999 gf	Engineered Yarns	
	D 15 N (1529 gf)		A4	1500 - 1999 gf		
	C 10 N (1019 gf)	П	А3	1000 - 1499 gf		
Gene	B 5 N (309 gf)		A2	500 - 999 gf	Synthetics Polyester/Nylon	
nandii						

200 - 499 gf A1

watsongloves.com



^{*} Watson Gloves hereby warns all potential users of its cut resistant products that they are not suitable for all uses.

The EN 388 Standard is still in the revision process and will be released in 201

365 AND 362



365 Stealth Cobra

Cut Resistance



ANSI/ ISEA 105-16 CUT LEVEL A2 18gg glass/ nylon/ HPPE/ spandex shell is cut resistant

offering excellent protection

NITRILE FOAM TECHNOLOGY

2NFT (nitrile foam technology) with reinforced nitrile thumb saddle provides additional protection in critical wear area

TOUCHSCREEN

Conductive coating on palm and fingers can be used on all touchscreen devices

TREATED WITH ACTIFRESH®

Treated with Actifresh® to kill bacteria and support freshness

SNUG-FITTING WRIST

Snug-fitting knit wrist keeps out dirt and debris



CUT RESISTANCE

PRODUCT # 365 NAME BRAND COBRA STEALTH		RATINGS I TECHNOLOGIES	ANSI EN388 ANSI PUNCTURE 4X318 CUT	
SIZE I XS-XXL PACKAGED		ICONS CO		
XS 06553786 UPC S 06553786 M 06553785	0619 XL 065537859811	APPLICATIONS	General Construction Manufacturing Automotive	

BURNABY P 604 874 1105 F 604 875 9009

CALGARY P 403 279 2262 F 403 236 7919 P 905 363 0727



362 Stealth Hornet

Cut Resistance



ANSI/ISEA 105-16 CUT LEVEL A4

18gg HPPE/Nylon/Glass/Spandex ANSI A4 cut resistance shell for superior protection

FOAM NITRILE COATING

Foam nitrile coating provides superior wet/dry grip

SEAMLESS KNIT

Seamless knit shell with open back design keeps hands cool and comfortable

SNUG-FITTING WRIST

Extended snug-fitting seamless knit wrist keeps out dirt and debris



CUT RESISTANCE

PRODUCT # NAME BRAND +		362 HORNET STEALTH	RATINGS I TECHNOLOGIES	ANSI EN388 ANSI PUNCTURE 4543C CUT	
SIZE PACK/	AGED	S-XXL	ICONS	CJ.T PESISTAN	
UPC	S 065537854052 M 065537854069 L 065537854076	XL 065537854083 XXL 065537854090	APPLICATIONS	General Construction Lumber & Brick Handling Landscaping	

BURNARY P 604 874 1105

CALGARY P 403 279 2262 F 403 236 7919 F 604 875 9009

MISSISSAUGA P 905 363 0727



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Q1: HOW MANY CUT LEVELS ARE UNDER THE NEW ANSI CUT STANDARD?



A1: 9 LEVELS A1-A9



Q2: UNDER EN388 STANDARD WHERE ON THE PICTOGRAM WILL YOU FIND THE ISO CUT RATING (A-F)?



A2: SECOND TO LAST DIGIT

EN 388 3443EP



Q3: DOES THE EN388 ISO TEST AND ANSI CUT TEST USE SAME TESTING MACHINE?



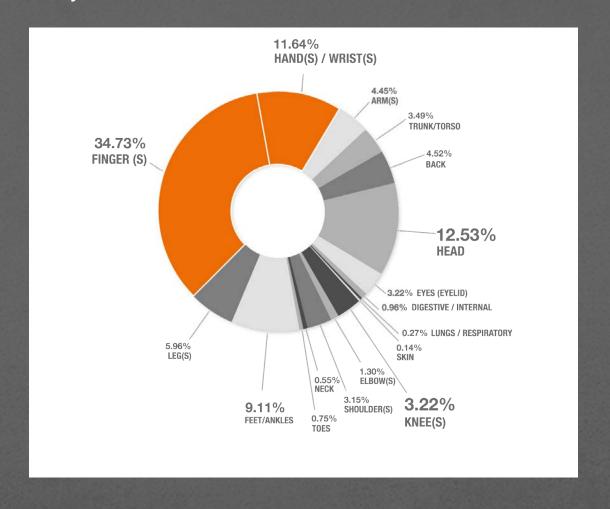
A3: YES, CALLED THE TDM MACHINE



THE NEW IMPACT STANDARDS



Hand injuries are a major problem for industry and account for the 2nd highest cause for days away from work.

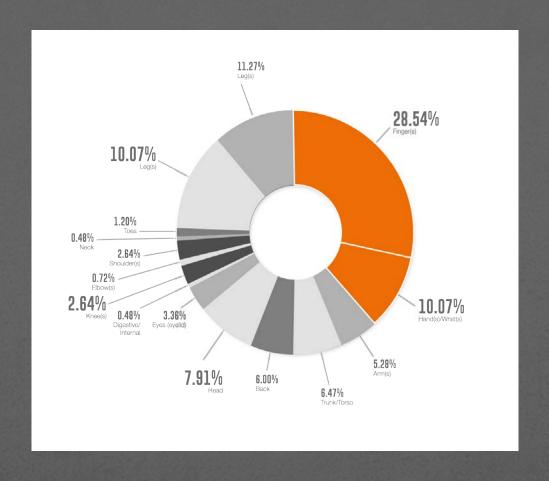


of all industry recordable incidents are to the hands, fingers and wrists.

Sources: International Association of Drilling Contractors [1], National Safety Council [2]



Almost half of all recordable incidents involve the hand, fingers and wrist, of which 38% involve days off work.



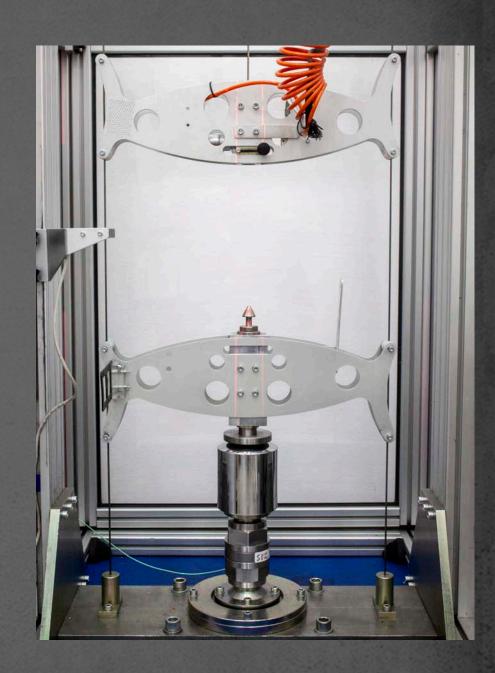
of industry lost time incidents are to the hands, finger and wrists.

Sources: International Association of Drilling Contractors [1], National Safety Council [2]

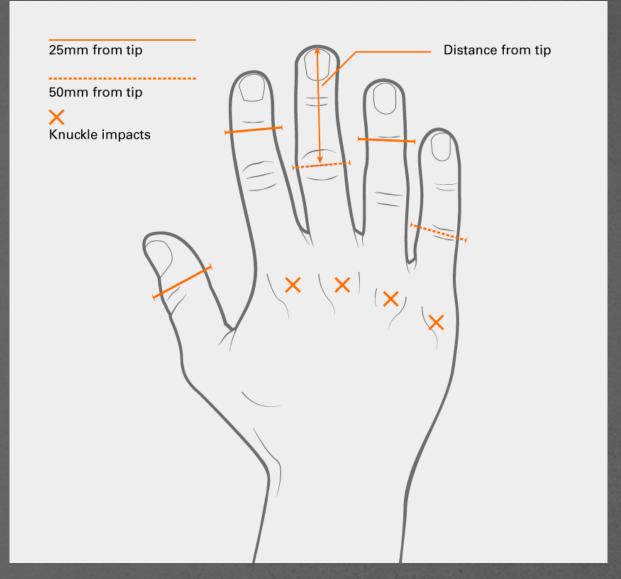


IMPACT TESTING SUMMARY

- 1. EN388 and ANSI/ISEA 138 compliant drop rig utilizes a load cell at the base of the anvil to measure transmitted force
- 2. Computer interface records impact profile over duration of the impulse
- 3. Peak transmitted force (PTF) represents maximum energy absorbed by the test material
- 4. Lower PTF value = more energy absorbed by the test material







The overall performance level of the glove is determined by the lowest performance level recorded.



- 3 Performance level of impact resistance
 - Level 1, Level 2, Level 3
 - Level 1 (lowest)
- Needs to be visible and legible throughout useful life of glove
- Icons shown below

ANSI / ISEA 138



ANSI / ISEA 138



ANSI / ISEA 138



547TPR AND 357TPR

0



547TPR Van Goat

IMPACT AND CUT RESISTANT



357TPR Stealth Dog Fight

Cut Resistant



CUTSHIELD™ ANSI LEVEL A5

Cutshield™ P-aramid/steel/polyester liner for superior protection

GOATSKIN LEATHER

Hard-wearing full-grain goatskin leather offers exceptional strength and dexterity

IMPACT PROTECTION

Heavy duty rubber on back of hand, fingers and wrist provides impact protection

KEVLAR® THREAD

Stitched with Kevlar® thread provides strength and durability

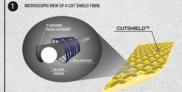
DRIVER STYLE

Drivers style with ergonomic inset thumb for superior flexibility and comfort

SNUG-FITTING WRIST

Snug-fitting shirred elastic wrist keeps out dirt and debris with slip-on style cuff for quick and easy removal





LEATHER

PRODUCT # I NAME I BRAND		547TPR VAN GOAT	RATINGS I TECHNOLOGIES	ANSI STREAM OF THE PUNCTURE	3X34EP	A5 CUT
SIZE	I (A GE D	XS-XXL	ICONS	1	MPACT RESISTANT	CUIT RESISTANT
UPC		XL 065537863825 XXL 065537863832 XXL 065537863849	APPLICATIONS	(uction ustrial +Gas

P 604 874 1105

P 403 279 2262 F 403 236 7919

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ANSI/ISEA 105-16 CUT LEVEL A5

HPPE/glass/steel/nylon shell with ANSI A5 cut resistance for superior protection

HEAVY DUTY TPR

Heavy duty TPR on fingers, thumb, knuckles, and back of hand provides impact protection

SANDY NITRILE FINISH

Hi-vis sandy nitrile finish coating provides durability and increased hand communication between fellow workers and equipment operators

SNUG-FITTING WRIST

Extended snug-fitting seamless knit wrist keeps out dirt and debris



CUT RESISTANT

PRODUCT # 357TPR NAME BRAND DOG FIGHT STEALTH		RATINGS I TECHNOLOGIES	ANSI EN388 ANSI		
SIZE PACE	I (A GE D	S-XXL	ICONS	MPACT CUIT RESISTANT RESISTANT	
UPC	S 065537864716 M 065537864723 L 065537864730	XXL 065537864754	APPLICATIONS	General Construction Lumber & Brick Handling Landscaping	

BURNABY P 604 874 1105

P 403 279 2262 F 403 236 7919

P 905 363 0727





91051 The Breakdown

CUT RESISTANT



CUTSHEILD™ FULL SOCK A5 LINER

Cutsheild** Para-aramid/steel/polyester liner with ANSI cut level A5 resistance for superior protection

COLD MX™ INSULATION

Cold MX ** CS 55G palm/ CS 115G back has a thin profile and dense fibre structure giving the wearer great dexterity. Compact insulation offers wind proof, exceptional thermal efficiency and anti-bacterial properties

HY+DRY® BARRIER

Water resistant Hy+Dry barrier provides an extra layer of protection from liquid penetration to keep hands dry and comfortable

IMPACT PROTECTION

Heavy duty rubber on back of hand, fingers and wrist provides impact protection

DURAFIBRE™ PALM

High abrasion resistant Durafibre in microfibre palm with silicone printed palm provides a *sure-grip* in wet or oily conditions

TOUCHSCREEN

Conductive coating on index finger and thumb can be used on all touchscreen devices

VELCRO CLOSURE

Neoprene cuff with secure Velcro® closure keeps out dirt and debris

THE BREAKDOWN #91081

HIGH PERFORMANCE

PRODUCT # I 91051 NAME I BRAND THE BREAKDOWN		RATINGS I TECHNOLOGIES	ENS88 ANSI JAXSEP CUT		
SIZE PACK	I (A GE D	S-XXL	ICONS	WATER MPACT OUT RESISTANT RESISTANT RESISTAN	
UPC	S 065537864822 M 065537848525 L 065537848532	XL 065537848549 XXL 065537848556	APPLICATIONS	Cold Weather Construction General Purpose Landscaping	

P 604 874 1105 F 604 875 9009 T 806 663 9509 P 403 279 2262 F 403 236 7919 T 800 363 7462 MISSISSAUGA P 905 363 0727 F 905 363 0730 T 888 715 4299





Q1: HOW MANY LEVELS OF IMPACT ARE THERE IN THE NEW ISEA / ANSI 138 STANDARD?



A1: 3 LEVELS



Q2: HOW DOES THE TESTING FACILITY DECIDE ON WHICH LEVEL THE GLOVE GETS?



A2: IT TESTS THE IMPACT OF THE KNUCKLES AND FINGERS AND THE LOWEST SCORE IS RECORDED



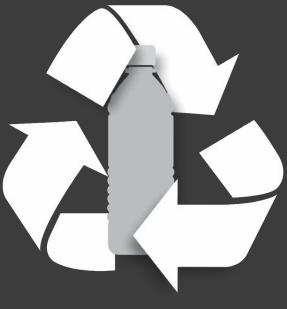
Q3: DOES THE EN388 TEST INCLUDE TESTING THE FINGERS?



A3: NO, ONLY THE BACK OF HAND



SUSTAINABILITY INITIATIVES





Did you know there are more than a million plastic bottles sold every minute?



And only 30% of those are recycled....





SUSTAINABILITY - PROCESS





SUSTAINABILITY







SUSTAINABLE GARDEN GLOVES



STEALTH HERO

L'IL SPROUT

OH SNAP!







LILY

SPARROW

YOU GROW GIRL!

KARMA









SUSTAINABLE GLOVES





- -Tag is made from post consumer recycled paper
- -No plastic j-hook
- -Poly bag is biodegradable
- -Outer carton is made from post consumer recycled paper

SUSTAINABILITY





SUSTAINABILITY



ORGANIC ADDITIVE

INTRODUCED INTO NITRILE FORMULA

PREFORMANCE PROPERTIES
ARE UNAFFECTED



WORKERS WEAR THEN DISPOSE GLOVES INTO GARBAGE

BIODEGRADATION BEGINS WHEN THE GLOVES ARE INTRODUCED TO LANDFILL CONDITIONS

PROCESS TAKES UP TO 10 YEARS

COMPARED TO 200+ FOR

REGULAR NITRILE

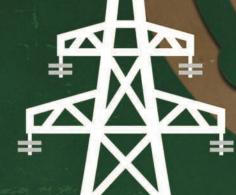
ALL YOU NEED TO KNOW ABOUT

WATSON GLOVES

GREEN MONKEY™

MODERN LANDFILLS

CAPTURE METHANE PRODUCTION AND CONVERTS TO ENERGY AND FUEL







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WATSONGLOVES.COM

ADDITIVE ATTRACTS MICROBES IN LANDFILL THAT TURNS GREEN MONKEYTM INTO BIOGAS

(10 YEARS - ASTM D5526)





Q1: HOW LONG DOES IT TAKE REGULAR NITRILE DISPOSABLE GLOVES TO DEGRADE?



A1: APPROX 200 YEARS



Q2: HOW MANY YEARS DOES IT TAKE GREEN MONKEY TO DEGRADE IN LANDFILL CONDITIONS?



A2: APPROX 10 YEARS



Q3: HOW MANY PLASTIC BOTTLES DOES IT TAKE TO MAKE ONE PAIR OF OUR SEAMLESS KNIT HERE GLOVES?



A3: ONE 500ML BOTTLE MAKES 1 PAIR OF HERO GLOVES



Q4: IS THE PERFORMANCE COMPROMISED FROM A GLOVE BEING BIODEGRADABLE?



A4: NO, PERFORMANCE IS NOT COMPROMISED













and dense fibre structure that gives the wearer great dexterity by using CS 55g on the palm and CS 115g on the back of hand.

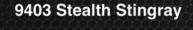
It offers: wind and water proof, exceptional thermal efficiency and anti-bacterial properties

Featured in our #91051 and #9585











THERMAL LINING

Thermal lining keeps hands warm in cold conditions

SANDY NITRILE

Hard-wearing double-dipped sandy foam nitrile coating provides superior wet/dry grip

"BE SAFE, BE SEEN"

"Be safe, be seen" with 13gg hi-vis safety yellow polyester seamless knit

HY+DRY BARRIER

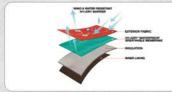
Water resistant barrier provides protection from liquid penetration to keep hands dry and comfortable

SNUG-FITTING WRIST

Snug-fitting knit wrist keeps out dirt and debris







HIVER

PRODUCT # I NAME I BRAND		9403 STINGRAY STEALTH	RATINGS I TECHNOLOGIES	ENS11	EN388 4121	9
SIZE PACK	AGED	S-XXL	ICONS			WATER RESISTANT
UPC	S 065537853260 M 065537853277 L 065537853284	XXL 065537853307	APPLICATIONS	Cold Weather Construction Petrochemica Cold Storage		emical

BURNABY P 604 874 1105 F 604 875 9009 T 800 663 9509

CALGARY P 403 279 2262 F 403 236 7919 T 800 363 7462

P 905 363 0727 F 905 363 0730 T 888 715 4299

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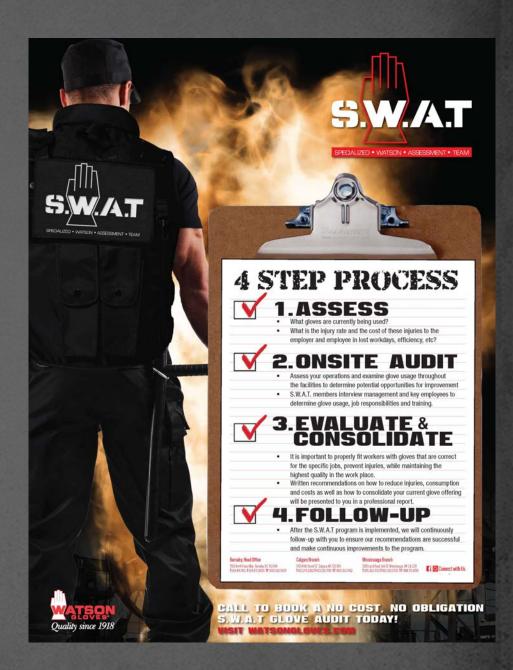


HAZARD ASSESSMENT:

-On-site S.W.A.T assessment at end user level

VALUE:

- -No cost, no obligation
- -Joint sales calls
- -Let us help you consolidate, reduce cost, reduce hand injuries
- -Ensure your customers are current with standards and new innovation
- -Use as a tool to expand other lines





Q&A