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TECHNICAL SHEET		PRODUCT PHOTO	LINES	TECHNOLOGIES			
ORT20124 - DORNE ESD S3S CI HI HRO FO SR Natural Confort 11 Mondopoint® NanoFiber Toe Cap, ultralight, metal free. FOOTWEAR TYPE "A" TEST REPORT SIZE 42 WEIGHT 936g SIZES 35-48							
DESCRIPTION		TECHNICAL SPECIFICATIONS			NORM EN ISO	VALUE	
The Red Stratos Dorne is a low-cut safety shoe designed for the daily worker who seeks protection and comfort in all conditions. With an ultra-lightweight NanoFiber toecap, ultra-lightweight anti-puncture midsole, Super Critical Technology outsole together with high-grip, heat-resistant HRO rubber, they offer total safety. The PUTEK® star high tenacity, water-repellent and breathable upper ensures comfort and durability. Integrated ESD protection and breathable lining make Dorne ideal for industry, logistics and technical sectors.					EN ISO 20345:2022+A1:2024		
		SAFETY TOE CAP					
		Impact resistance. Free heights after collision mm			≥14		16,0
		Compressive strength. Free heights after compr. mm			≥14		17,0
		ANTI-PERFORATION INSERT					
		Puncture resistance			≥1100N		Compliant
		ELECTRICAL RESISTANCE OF THE SHOE					
		Measurement result			<10°ohm		Compliant
		UPPER DYNAMIC WATERPROOFING AFTER 60'					
		Permeability to water vapor mg/(cm^2 h)			≥0,8		19,2
		Permeability coefficient mg/cm^2			≥15		154,3
		VAMP LINING					
		Permeability to water vapor mg/(cm^2 h)			≥2		19,2
		Permeability coefficient mg/cm^2			≥20		154,3
		Resistance to abrasion			12800/25600 cycles		No hole
		SOLE WEAR					
		Abrasion resistance (volume loss) mm^3			≤150		79
		Bending resistance mm			≤4		1.0
		Resistance to sole / midsole detachment N/mm			≥3		4.3
		Heel energy absorption J			≥20		33
		SLIP RESISTANCE					
		On ceramic with NaLS (forward heel 7°)			≥0,31		0.38
		On ceramic with NaLS (backward heel 7°)			≥0,32		0.43
		SR-Slip resistance on ceramic with glycerin (forward heel 7°)			≥0,19		0.26
		SR-Slip resistance on ceramic with glycerin (backward heel 7°)			≥0,22		0.29