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TECHNICAL SHEET		PRODUCT PHOTO	LINES	TECHNOLOGIES	
ORT20076 - BRIENNE ESD S1PS HI HRO FO SR Natural Confort 11 Mondopoint® NanoFiber Toe Cap, ultralight, metal free. FOOTWEAR TYPE "A" TEST REPORT SIZE 42 WEIGHT 825g SIZES 35-42					
DESCRIPTION		TECHNICAL SPECIFICATIONS			
The Brienne from the Red Stratos range are low-cut safety shoes, light and breathable, ideal for those who work long hours even in hot weather. With protection class S1PS HI HRO FO ESD SR, they offer an ultra-lightweight NanoFiber toecap, metal-free perforation protection and a stretchable U-Knit upper for ergonomics and ventilation. The high-grip, heat- and oil-resistant outsole ensures stability on demanding surfaces, while the breathable lining and anatomically shaped U-Power Original footbed provide extended comfort.		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'			
		Water absorption after 60'		≤30%	N/A
		Water transmitted after 60'		≤0,2 gr	N/A
		VAMP LINING			
		Permeability to water vapor mg/(cm^2 h)		≥2	7,9
		Permeability coefficient mg/cm^2		≥20	63,9
		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