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LEGAL DATA:
Tax Code and Reg.Imp.Novara: 02041920030
CCIAA Novara REA: 211799
VAT: IT02041920030
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REV.
20/10/2026

TECHNICAL SHEET

0RT10154 - TYRON ESD

S3S CI HI HRO FO SR
Natural Confort 11 Mondopoint®
NanoFiber Toe Cap, ultralight, metal free.
FOOTWEAR TYPE "B"
TEST REPORT SIZE 42
SIZES 35-48

PRODUCT PHOTO



LINES

RED STRATOS

TECHNOLOGIES

ESD · Natural Confort 11 · Metal Free · Nanofiber · SaveFlex air · Natural Confort 11 · U-Power · Nickel Free

DESCRIPTION

The Tyron ESD is a robust and versatile safety shoe designed for maximum protection and comfort even in intensive use. With protection class S3S CI HI HRO FO SR, it offers protection against impact, puncture, cold, heat and slipping on difficult surfaces, with an ESD system to reduce electrostatic discharge. Made from soft black tumbled nubuck leather, they ensure strength and durability, while breathable lining and technical materials contribute to prolonged comfort. Ideal for industry, logistics, assembly and automotive.

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	NORM EN ISO EN ISO 20345:2022+A1:2024	VALUE
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	$<10^9$ohm	**Compliant**
UPPER DYNAMIC WATERPROOFING AFTER 60'		
Water absorption after 60'	≤30%	**2,9**
Water transmitted after 60'	≤0,2 gr	**0,0**
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**