

COMMERCIAL AVIATION

CREW AND PASSENGER SEAT BELTS



COMMERCIAL AVIATION

SCHROTH is a long-time supplier of passenger seat belts to numerous airlines and airframe manufacturers worldwide. We supply cabin attendant restraints for the entire Airbus fleet as well as 16g passenger lap belts to many of the world's leading commercial airlines.

SCHROTH has been the first manufacturer to offer and certify a push button lap belt for commercial airline use, thus providing a highly innovative and extremely easy-to-use lap belt solution.

SCHROTH passenger belts are available in more than 160 different webbing colors to match any aircraft interior design.

SCHROTH offers a variety of passenger restraints that specifically meet exclusive requirements of first and business class passengers. Buckle housings are available with a great variety of attractive surfaces that will make passengers immediately feel highly esteemed by their preferred airline.

CREW AVIATION

Model 18

Airbus A330 / A340 / A350 / A380

The use of special light-weight components make these restraints a preferred choice to airlines. Dual reel function, mini rotary buckle design and easy-to-operate length adjusters provide the highest comfort and safety for your cabin crew.

A330 / 340

AMI Seat Model 2157 + 2158
PN 18-0100K0KZN-xx

A350 / A380

PN 18-0201D1DYE-xx
PN 18-0501D1DYE-xx

xx = indicates webbing color
Certified according to ETSO(JTSO)/TSO-C114



Model 1-11

Airbus A330 / A340

The well known and patented SCHROTH RFR™ rotary buckle and the single inertia reel function ensure extremely easy and comfortable handling of these restraints. Load limiting stitching on the shoulder belts and mechanical load limiters on the pelvic restraints offer optimum safety for the entire cabin crew.

AMI Seat Model 2057 + 2058

PN 1-11-0302xx (RH)
PN 1-11-0352xx (LH)

AMI Seat Model 2071 + 2072

PN 1-11-0402xx (RH)
PN 1-11-0452xx (LH)

xx = indicates webbing color
Certified according to ETSO(JTSO)/TSO-C114



Model 1-08

Airbus A319 / A320 / A321

This well proven and reliable cabin crew restraint for Airbus single aisle aircraft features the patented SCHROTH RFR™ rotary buckle as well as a dual reel function, offering the highest level of comfort and safety for the flight crew.

Sicma Single Seat

PN 1-08-0102xx (RH)
PN 1-08-0152xx (LH)

Sicma Bench Seat

PN 1-08-0602xx (RH)
PN 1-08-0652xx (LH)

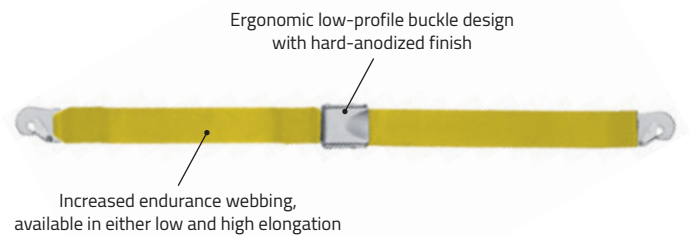
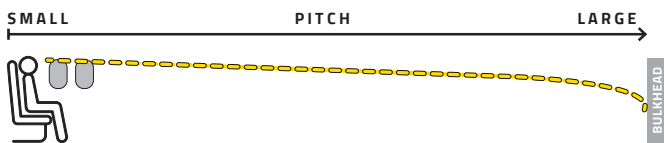
xx = indicates webbing color
Certified according to ETSO(JTSO)/TSO-C114



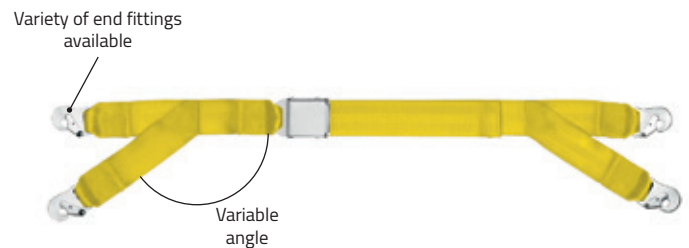
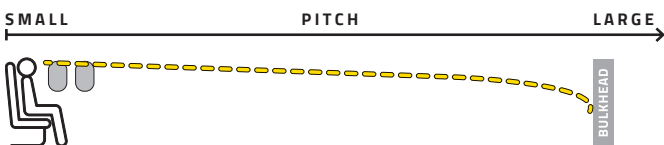
PASSENGER AVIATION

More than 70 years of experience have made SCHROTH an unparalleled provider for some of the most advanced and innovative restraint solutions available today for any kind of aircraft. Our team takes special pride in the goal to protect human lives in any means of air transportation. We apply state-of-the-art design technologies, highly advanced research and development processes as well as sophisticated quality monitoring programs. Solutions for commercial aerospace include the entire product portfolio, ranging from ultra-light-weight SCHROTH AirLite® passenger lap belts to active pretensioning restraint systems and airbag applications.

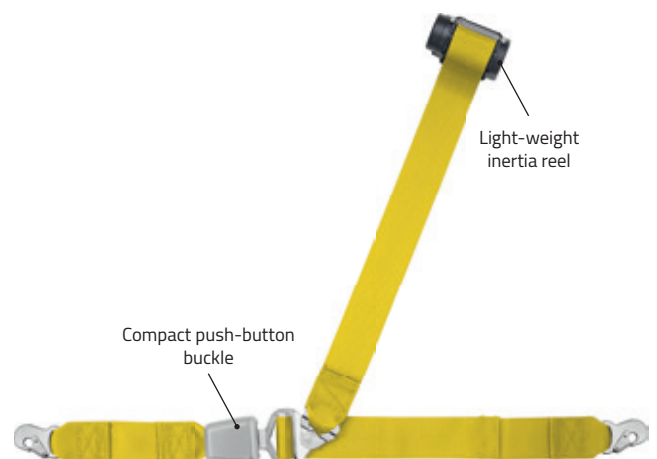
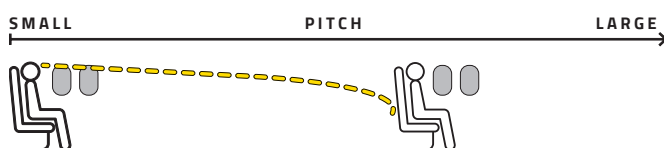
2-Point Lap Belt



Y-Belt

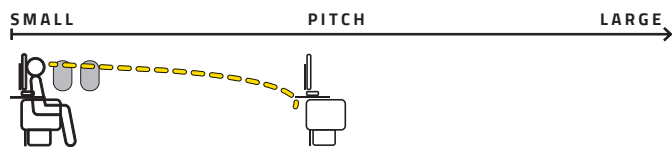


3-Point Restraint with Inertia Reel



PASSENGER AVIATION

3-Point Restraint with Inertia Reel Pretensioner



3-Point Restraint with Inertia Reel combined with Structure-Mounted Airbag



3-Point Restraint with Intertia Reel Pretensioner combined with Structure-Mounted Airbag



Head Arc reduction based on rigid steel seat testing using an FAA HIII with 25.562 pulse. Pitch not to scale.

PLATING & WEBBING

SCHROTH uses engineering polyester webbing for its restraint systems. Polyester has a much better energy conversion capability than common polyamide (Nylon) webbing which is used by other harness belt manufacturers. Polyester has superior resistance against UV rays and chemicals such as solvents and acids. The SCHROTH mono file shot thread webbing technology prevents the straps from tangling and provides optimum load distribution during crash conditions because it stays flat due to its "memory effect".

The illustrations show our most popular webbing colors and plating options. Virtually hundreds of combinations are available. We can also supply requested custom dyed webbing material. Please ask us to match your individual style. Samples are available upon request.



Plating More than 60 options available



polished chrome



satin smoke nickel



polished gold 24K



polished rose gold

Polyester webbing More than 160 webbing colors

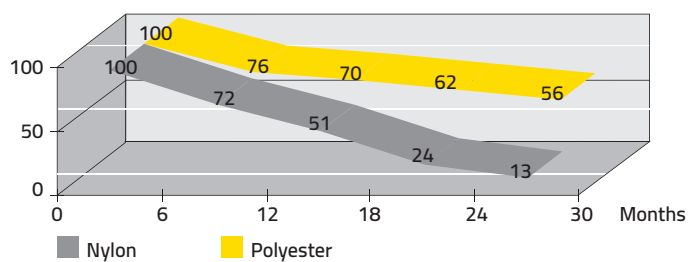


Figure 1: Remaining strength in percent over a 2 year period.

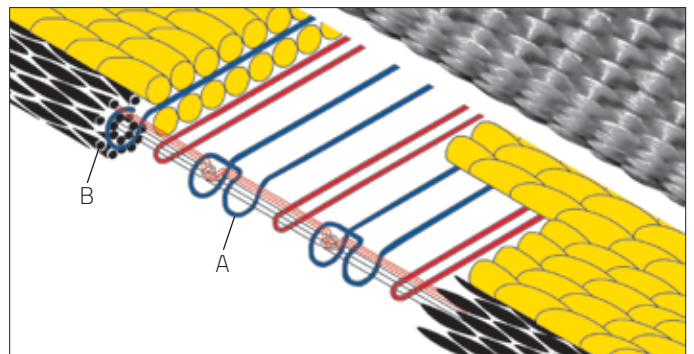
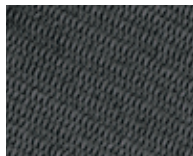


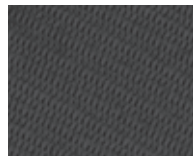
Figure 2: A points to the woven in mono filaments responsible for the "memory effect". B points to the round edges for additional comfort.



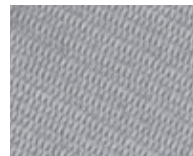
black



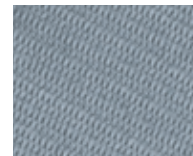
asphalt



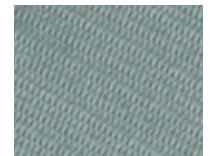
dark grey



silver



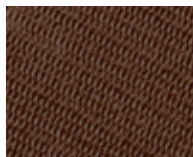
light blue



lunar



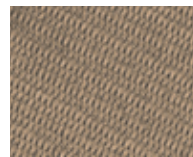
pepperdust



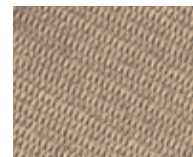
brown



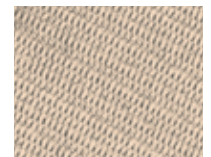
pampas



tan



shark grey



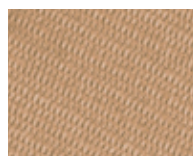
caribbean sand



puerta vallarta



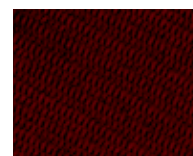
beige



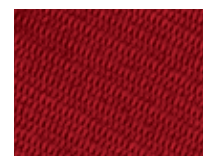
champagne



port



burgundy



dragon red



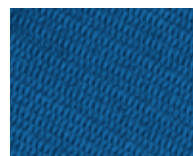
dark red



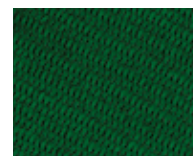
midnight blue



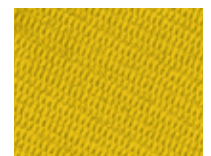
blue



azure



dark green



yellow

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Company Approvals

GERMANY
· EASA Part 21 Section A Subpart G
Approval No. DE.21G.0114
· EASA Part 145 /
Approval No. DE.145.0240
· APDOA Authorization
EASA AP210
· DIN EN ISO 9001
· EN 9100

USA
· FAR Part 21 /
Approval No. PT 1662-CE
· AS 9100

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SCHROTH Safety Products GmbH®
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