Components for ESD applications



Set of grounding components (p. 17-2)



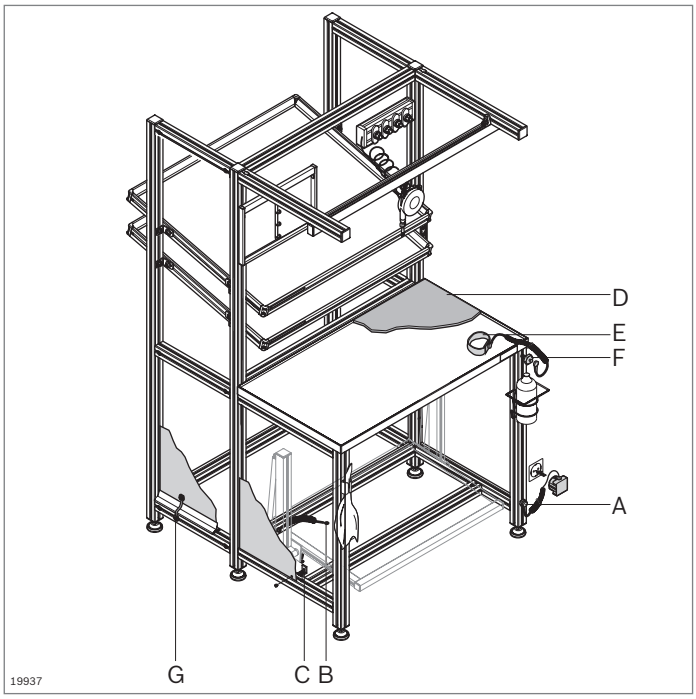
Grounding cable (p. 17-2)



Potentialfix (p. 17-3)

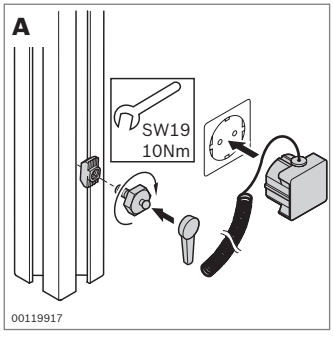


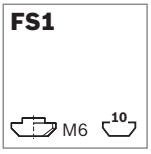
Wrist band, connection piece (p. 17-3)



Components for ESD applications

ESD – Electro Static Discharge
Components which, due to their electrical properties and inner structure, are damaged or destroyed by static discharge also cause economic losses running into millions of euros each year.
You can use Rexroth components for ESD applications to protect your products from this type of damage. Look for the ESD mark when selecting products (⏚).

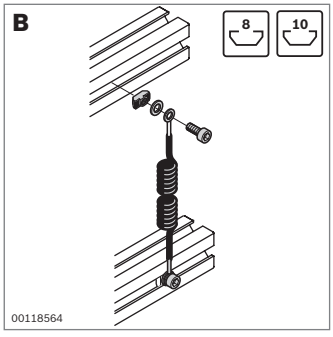


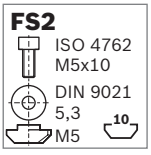


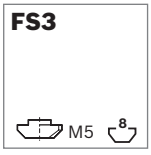
- Set of grounding components for defined grounding of ESD workstations
- Conduction resistance R = 1 x 10^6 Ω

Accessories:
Damping ring or damping plate for insulation from conductive floors makes defined conduction possible (p. 6-4, 6-6)

Set of grounding components	ESD	No.	FS
A	⏚	**3 842 522 087**	FS1
Material:	Fastening material: Steel; zinc-plated		
Scope of delivery:	Incl. fastening material (FS)		

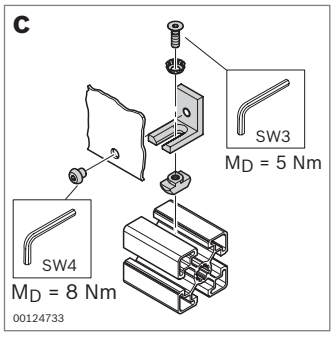


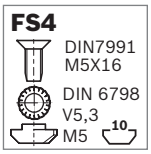




- Grounding cable to create defined conductive paths between strut profiles in order to protect ESD-sensitive components

Grounding cable	ESD	No.	FS
B	⏚	**3 842 519 465**	2xFS2, FS3
Material:	Fastening material: Steel; zinc-plated		
Scope of delivery:	Incl. fastening material (FS)		



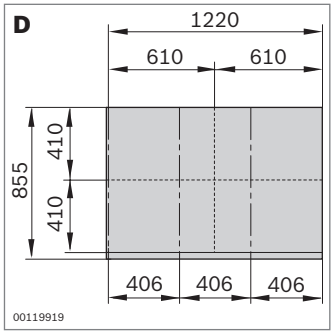




- Potentialfix for defined grounding of panel elements such as side panels

Potentialfix	ESD	No.	FS
C	⏚	**3 842 536 320**	FS4, FS5

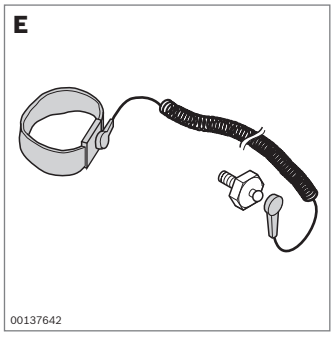
Material:	Bracket Aluminum Fastening material: Steel; zinc-plated
Scope of delivery:	Incl. fastening material (FS)



- ESD mat insert for protecting ESD-sensitive components
- To create a safe, conductive connection, e.g. to ESD material shelves, we recommend using adhesive copper tape
- Conduction resistance R = 10^4 ... 10^9 Ω

ESD mat insert	ESD	No.
D 1220 mm x 855 mm	⏚	**3 842 522 012**

Material:	Rubber (thickness: 2 mm)

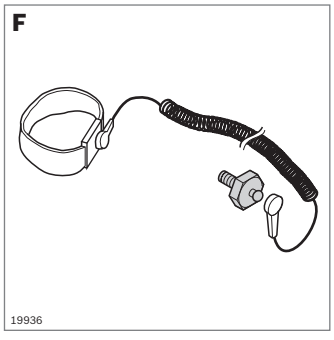


- Wrist band for defined grounding of people and protection of ESD-sensitive components

Required accessories:
- Connection piece
- T-nut M6, or swivel-in sliding block, with spring, M6

Wrist band	ESD	No.
E	⏚	**3 842 516 908**

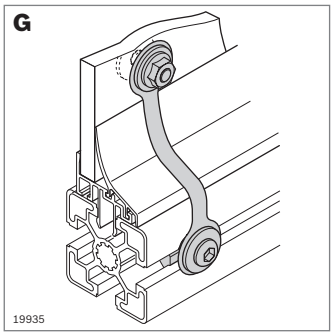
Material:	Textile with woven-in conductive plastic; navy blue

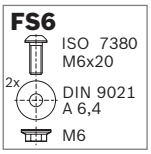


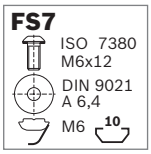
- Connection piece for connecting the wrist band to the profile construction

Connection piece	ESD		No.
F	⏚	10	**3 842 516 905**

Material:	Steel; zinc-plated



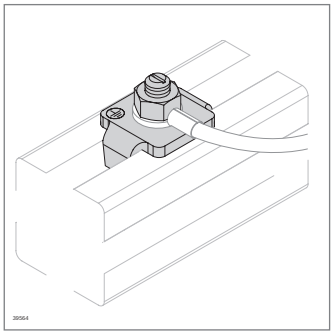


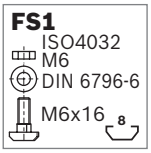


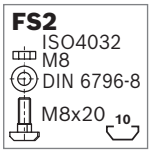
▶ Potential equalizer for creating electrostatic conduction between panel elements and strut profiles

Potential equalizer	ESD		No.	FS
G		10	**3 842 536 148**	FS6, FS7

Material:	Strip steel, stainless Fastening material: Steel; zinc-plated
Scope of delivery:	Incl. fastening material (FS)







▶ PE conductor connection set for profile structures for the secure connection of a PE connection in Rexroth profile slots

PE conductor connection set							
Slot	**A** (mm)	**B** (mm)	**C** (mm)	**D** (mm)	**E** (mm)	**No.**	**FS**
8	28	21	7.5	9.3	6.5	**3 842 564 106**	FS1
10	31	24	9.5	12	8.5	**3 842 564 107**	FS2

Scope of delivery: Set incl. fastening material

