

„Over 50 Years Highest Quality“

R. Windhösel
Braids For Hoses Braided Sleeveings



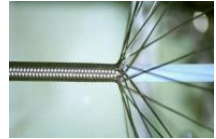
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History

- 1963: Company established. In the early years, the program focussed on the manufacture of paper clips
- 1965: Manufacturing program was expanded and braiding for machine hose added
- 1969: Company moved to newly constructed manufacturing halls. Production program now included braidings for high-pressure und ultra-high pressure hoses
- 1987: Since halls had become too small, company relocated to present location
- 1995: Windhösel made itself a name as a supplier to the automobile industry
- 2003: Certification in accordance with DIN EN ISO 9001:2000
- 2007: Production line expanded. Short non-fanned out PTFE hoses added
- 2008: Braid made from gold and silver alloys for the jewellery industry
- 2012: New building for office and production
- 2013: 50th anniversary of company
- 2014: Installation of DMS
- 2015: New braiding machine for high-strength wires
- 2017: New braiding machines for high-strength and soft wires





Manufacturing Program

Braids

- For hoses (PTFE-, rubber-, metal-, convoluted- etc.)
- For cables

Braided sleeveings

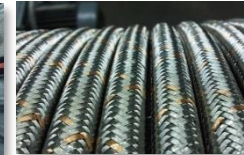
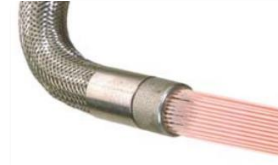
- Made of metal and other materials
- Sold by the meter or cut to length, round or plated

Hoses

- With braid or without (article of trade)
- Sold by the meter or cut to length

Purpose Of Use

- Mechanical protection (abrasion)
- Reinforcement (Pressure)
- Bundling of fibre optics (medical industry)
- Electro-magnetical shielding

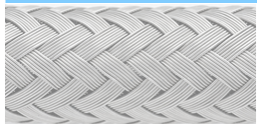




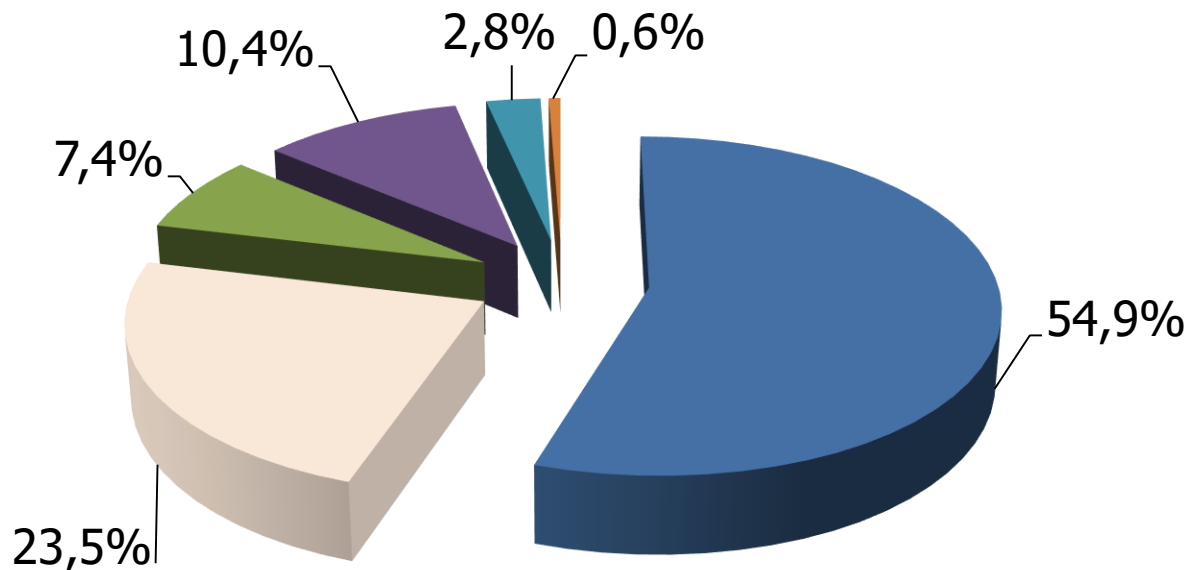
Materials

- Galvanized wire $\varnothing 0,20 - 0,60$ mm
- Stainless steel wire $\varnothing 0,025 - 0,63$ mm
- Copper wire, bare or tinned $\varnothing 0,15 - 0,40$ mm
- Monofilaments, round and rectangular (PE, PP, PA, PA6, PPS)
- Phosphor bronze wire $\varnothing 0,24 - 0,63$ mm
- Twisted yarns, i.e. polyester, cotton, aramid, nomex and fibre glass
- Nickel-, titanium-, tungsten wire
- Braid material, supplied by the customer
- Other materials on customer demand



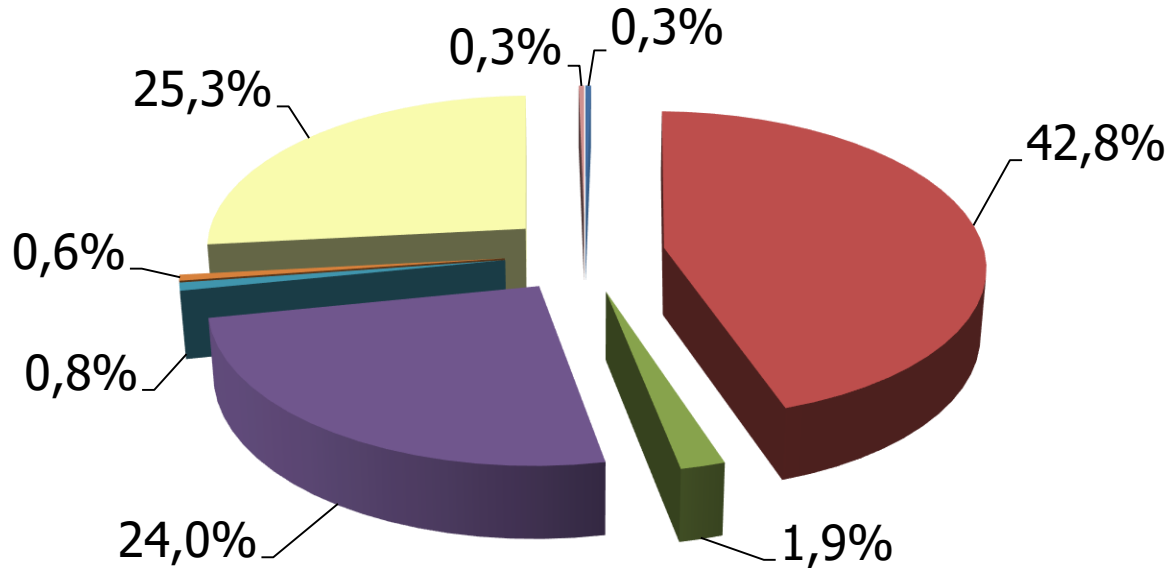


Sectors Of Industry Value

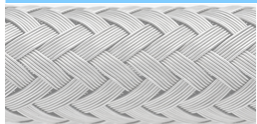




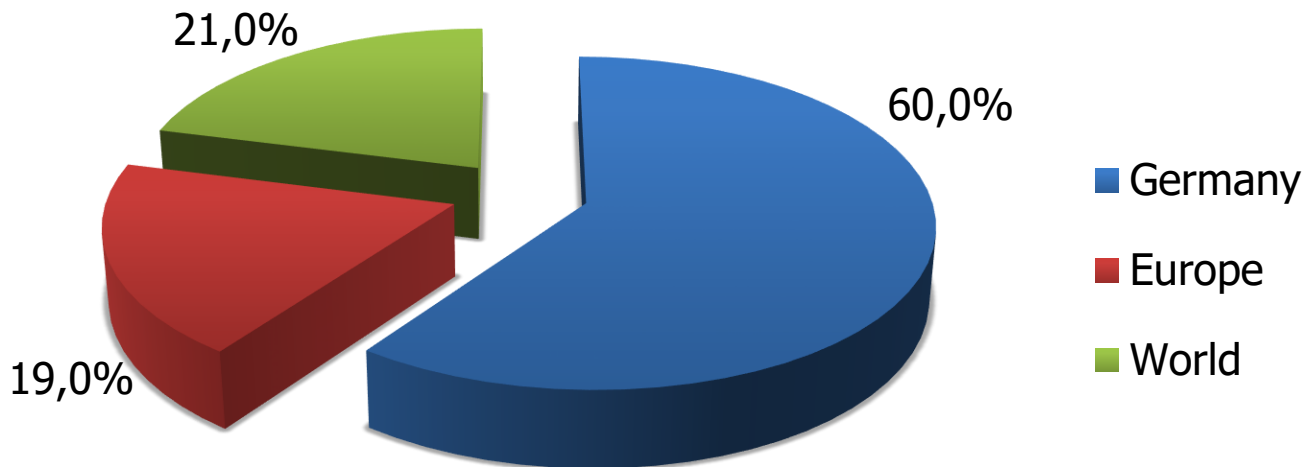
Product Groups Quantity



- | | |
|---------------------------|-----------------------------------|
| Articles of trade | Braid sections |
| Braids for cables | Braids of metal/plastics/textiles |
| Fine braids | Loose braid of metal/textiles |
| PTFE hoses, cut to length | Other |



Countries



Europa	Austria, Belarus, Belgium, Bulgara, Czech Republic, Estonia, France, Great Britain, Greece, Hungary, Italy, The Netherlands, Kroatia, Poland, Portugal, Rumania, Russia, Slovakia, Swedan, Switzerland, Serbia, Spain, Ukraine
World	Brasil, China, India, South Korea, Mexico, New Zealand, USA



Conclusion

- Service provider for braidings
- Competence, braidings since more than 50 years
- Comprehensive knowledge about technology of braiding
- Staff of approx. 50 highly qualified and motivated employees
- EN ISO 9001:2008 certified
- Customised solutions and projects
- Flexibility and versatility
- Short delivery times
- Short and direct ways

