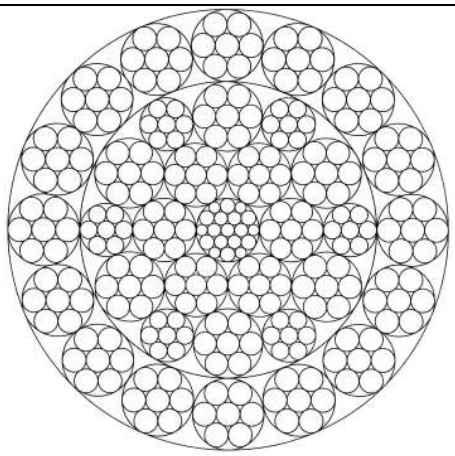
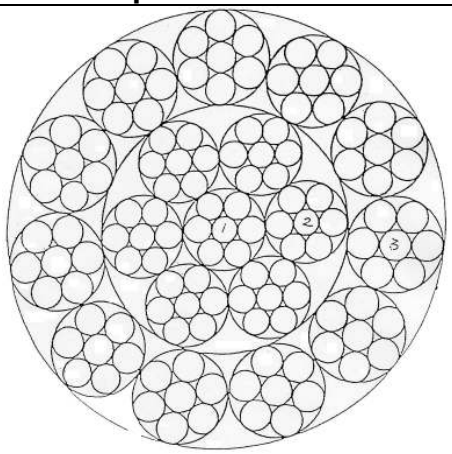
PDF D B-01-00	Wire Rope Constructions	Seilkonstruktionen D-01
	Examples	01.01.2006

Rope 02 — **Rotation Resistant Ropes**

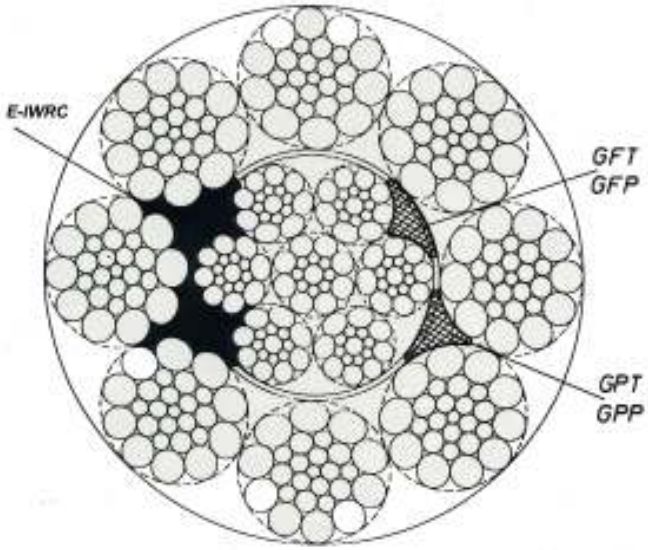


Low Rotation Construction-Class 35 x 7



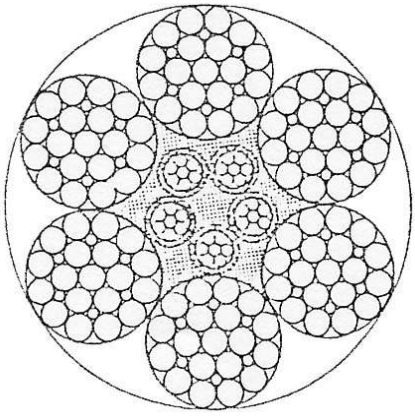
Rotation Resistant
Class 18x7

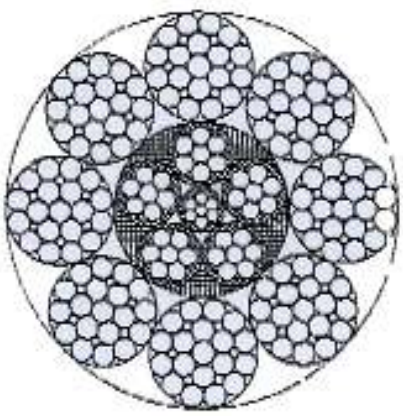
Rope 03 — **Cushioned Steel Wire Ropes**



Types of Cushioning

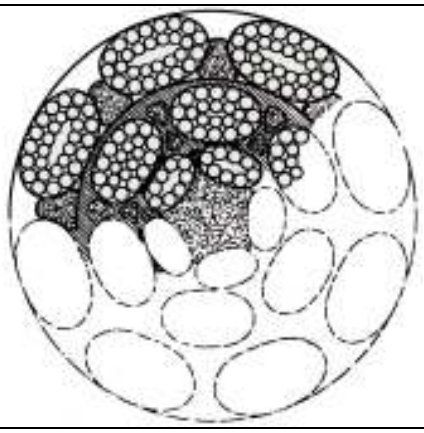
Examples of cushioned Rope Constructions

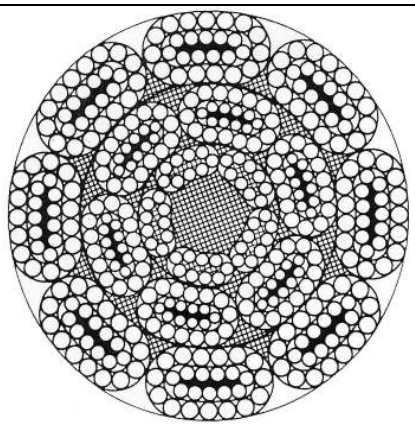




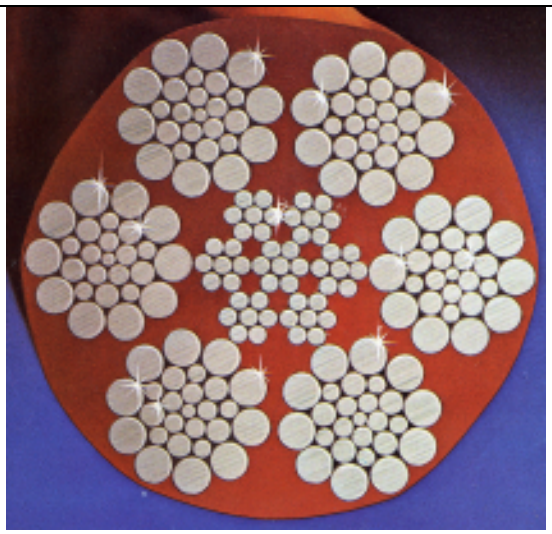
Cushioned Core Steel Wire Ropes

IWRC Fibre Covered	IWRC with Polymer extruded



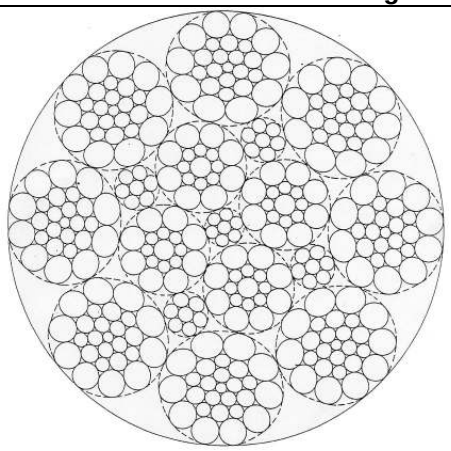


Strands of Middle Layer covered with fibres. Strands separated from each other by Profiles.

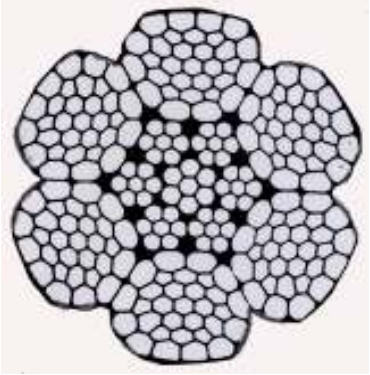
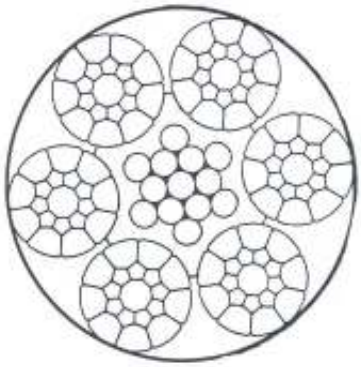
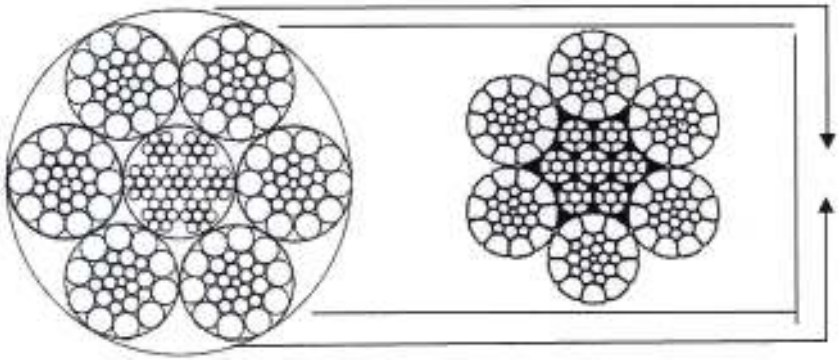
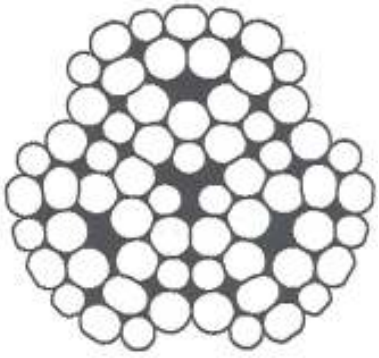
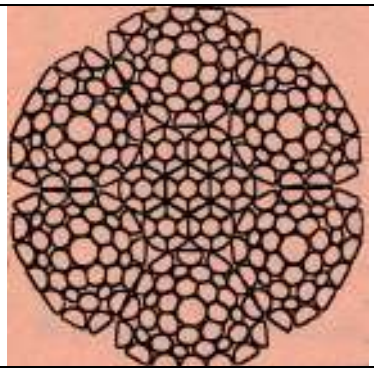
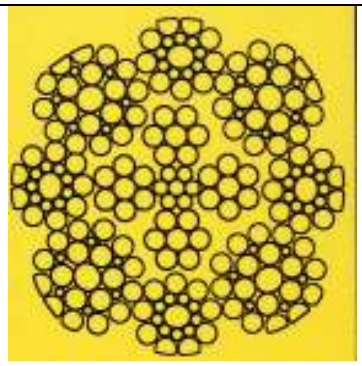


Cushioned Rope: Polymer filled

Rope 04	**Parallel Steel Wire Rope – Rope Strands and WRC Strands closed in one operation. These Ropes are defined as well as single layer and also as multi layer constructions. Note: see discarding criteria.**	



Example: Rope Configuration Filler
Parallel Closed Ropes can be configured in Seale , Filler or Warrington or of a combination

05	**Ropes or Strands are compacted by drawing, rolling or swaging** **Note: These method of drawing was already used in 1936** **Compacted Ropes. Examples:**	
	 **Example Rope Compacting**	 **Strand Compacting**
	Strands compacted by drawing or rolling	
	 After compacting is the rope diameter, maintaining the same metallic area smaller in relation to the grade of compacting.	
	 .	
		
	Examples of Cross Sections of Ropes with rope compacting (Swaging)	