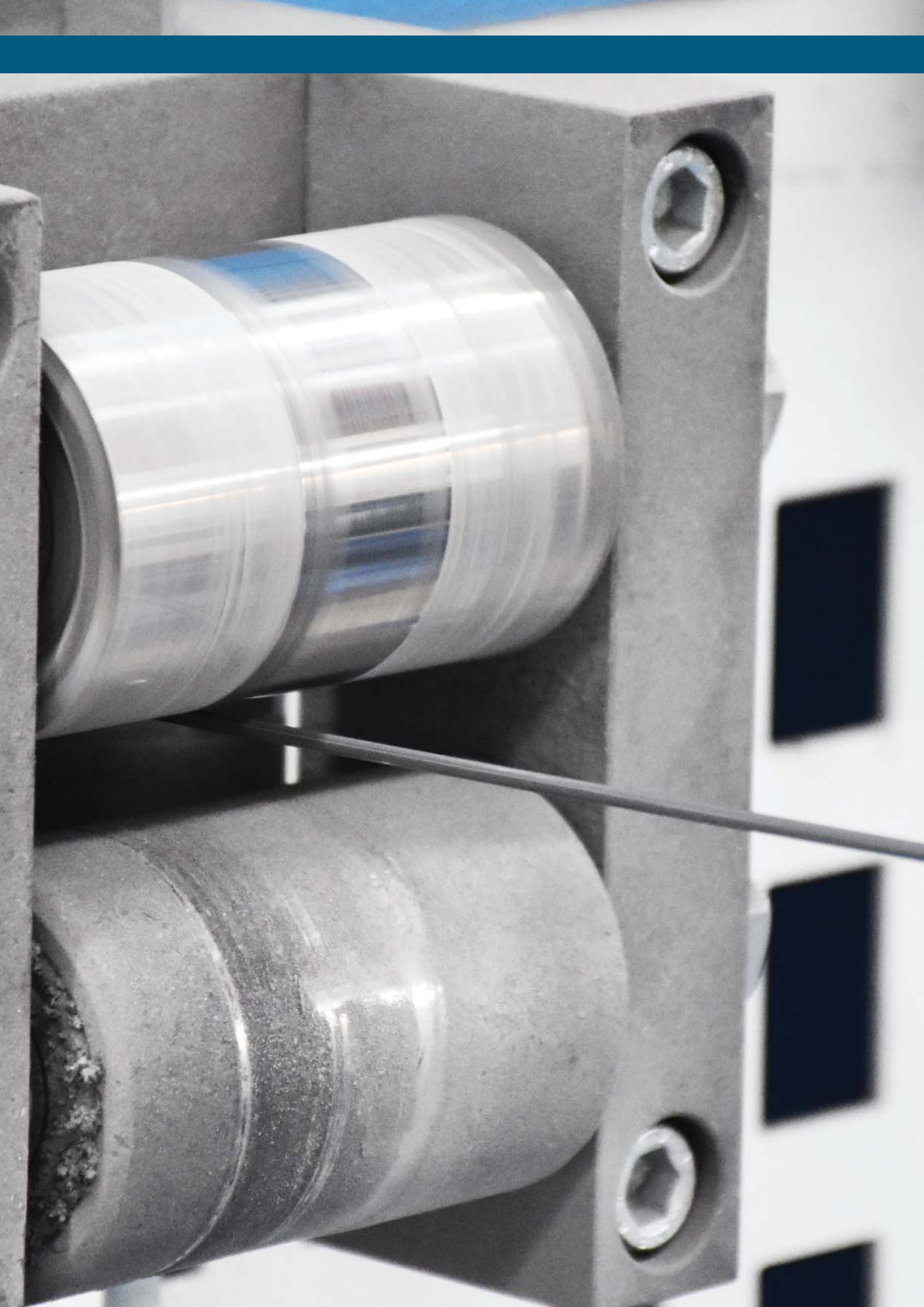




**STEEL WIRE**  
**STEEL WIRE ROPES**



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# About Us

Köşkerler Çelik Halat ve Mak. San. Tic. A.Ş. established in 1989, it is a leading industrial establishment in the field of Steel Wire Rope and Steel Wire production.

Köşkerler Çelik Halat continues its production with its factory which is located in the Dilovası/Kocaeli/TÜRKİYE location, established on a total area of 24.000 m<sup>2</sup> in the IMES Organized Industrial Zone, and its factory with a total area of 4.000 m<sup>2</sup> established in 2018 in the same region.

Our company which constantly gives importance to customer and employee satisfaction, realizes the changes in the world and works in an effort to keep up with them, always look to the future and struggles for the faster development of our country, continues to serve its national and international partners.



# Quality and Environment Policy

As Köşkerler Çelik Halat in the matter of production of Steel Wire and Steel Wire Rope which have a wide area of use in our areas of responsibility for Quality Management Systems; To perform in accordance with the legal regulations of the country, especially TSE and DIN standards, international standards, regulations and all ethical rules, to adopt systematic and creative management approaches and to constantly improve them.

To achieve superior quality and high efficiency at all stages of production, to respond quickly and with solutions to all customer needs that may arise, due to the importance we attach to customer satisfaction after production.

To ensure that a management approach that is fair to employees and respectful to human rights is adopted at all management levels in order to increase efficiency of work and ensure commercial continuity.





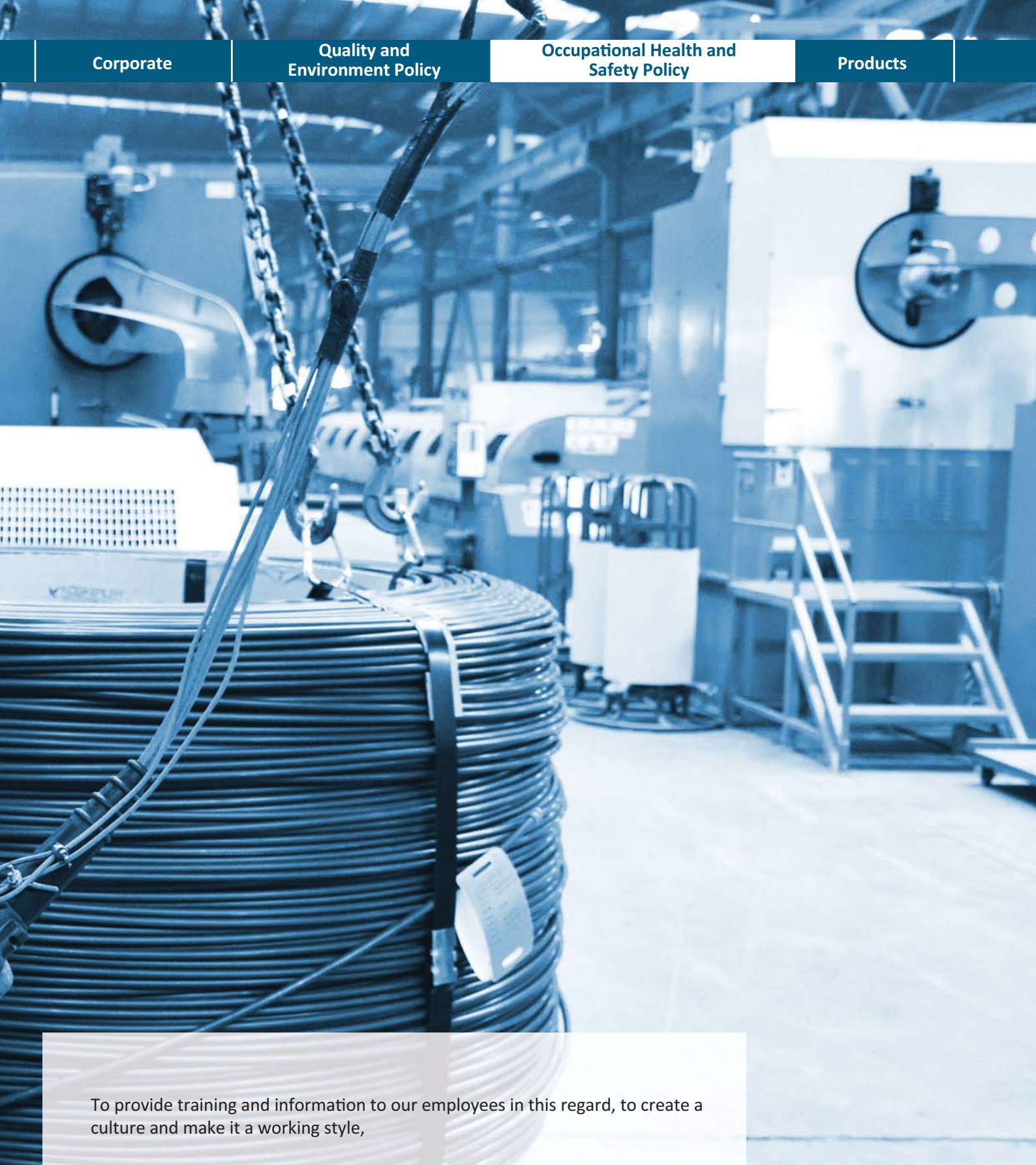
Considering the improvements that can be made within the scope of the Zero Waste system, which includes preventing waste, using resources more efficiently, preventing or minimizing waste generation by reviewing the causes of waste generation, and collecting and recycling waste separately at the source, and beyond this scope, we reflect on the improvements that can be made and take the necessary actions to take action to protect the environment.

Not content with preserving our current situation, we have adopted the goal of continuous improvement and development by complying with all conditions, to ensure the standards of Management Systems and Customers regarding Environment and Quality, and to operate in accordance with the rules.

# Occupational Health and Security Policy

As Köşkerler Çelik Halat, we aim to ensure the health and security of the working environment and employees in our businesses. In line with this goal we adopt;

To take all kinds of measures to prevent work accidents and occupational diseases and to apply the provisions of the relevant legislation with determination.



To provide training and information to our employees in this regard, to create a culture and make it a working style,

To adapt health and safety measures to changing conditions and to work to improve the current situation,

To give priority to collective protection measures over personal protection measures,

To use technological and safe work equipment for a healthy and safe working environment.

# Products



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# Spring Steel Wire



## Area of Use

- Mechanical Springs such as compression, torsion, extension
- Automobile Industry
- Agricultural Technology
- Furniture Industry

## Product Information

- Spring steel wire for mechanical springs : EN 10270-1
- Non-alloyed steel used as material : EN 10016
- Zinc coating on steel wire : EN 10244-2

## Surfaces

- Phosphated
- Galvanized

## Production Ranges

Grade	Phosphated	Galvanized
DM	Ø 1,30- 14,00 mm	
DH	Ø 1,30- 14,00 mm	
SL	Ø 0,50 - 14,00 mm	Ø 0,50 - 2,50 mm
SM	Ø 0,30 - 14,00 mm	Ø 0,30 - 2,50 mm
SH	Ø 0,30 - 14,00 mm	Ø 0,30 - 2,00 mm

## Packaging

Z-1 Coils	100 - 150 Kg
Z-2 Coils	350 - 400 Kg
Z-3 Coils	500 - 700 Kg
Z-4 Coils	500 - 1.000 Kg
Z-5 Coils	1.000 - 2.000 Kg
Rosette Coils With/out cardboard	500-1.000 Kg
Wooden and Metal Spools	
BS 60 Metal and K355 Plastic Spool	
Spools supplied bu customer	



## Packaging Information



Packaging Type	Z-1	Z-2	Z-3	Z-4	Z-5	BS-60	Coil-100	Coil-250
Weight per Coil	100-250 Kg	300-400 Kg	500-700 Kg	500-1.000 Kg	1.000-2.000 Kg	23 Kg	100-150 Kg	200-250 Kg
Inner Dia. (d)	355	355	450	550	750	120	600	600-800
Outer Dia. (D)	580	660	700	900	1100	255	750	850-1000
Length (H)	280	280	500	572	650	167		
Ø 0,30 mm						✓		
Ø 0,40 mm						✓		
Ø 0,50 mm						✓		
Ø 0,60 mm	✓	✓				✓		
Ø 0,70 mm	✓	✓				✓		
Ø 0,80 mm	✓	✓						
Ø 0,90 mm	✓	✓						
Ø 1,00 mm	✓	✓						
Ø 1,10 mm	✓	✓	✓					
Ø 1,20 mm	✓	✓	✓					
Ø 1,30 mm	✓	✓	✓					
Ø 1,40 mm	✓	✓	✓					
Ø 1,50 mm	✓	✓	✓	✓				
Ø 1,60 mm			✓	✓			✓	
Ø 1,70 mm			✓	✓			✓	
Ø 1,80 mm			✓	✓			✓	
Ø 1,90 mm				✓			✓	
Ø 2,00 mm				✓			✓	
Ø 2,20 mm				✓			✓	
Ø 2,50 mm				✓			✓	✓
Ø 3,00 mm				✓				✓
Ø 3,50 mm				✓				✓
Ø 4,00 mm				✓				✓
Ø 4,50 mm				✓				✓
Ø 5,00 mm				✓	✓			✓
Ø 5,50 mm				✓	✓			✓
Ø 6,00 mm				✓	✓			✓
Ø 7,00 mm				✓	✓			✓
Ø 8,00 mm					✓			✓
Ø 9,00 mm					✓			✓
Ø 10,00 mm					✓			✓
Ø 11,00 mm					✓			
Ø 12,00 mm					✓			
Ø 13,00 mm					✓			
Ø 14,00 mm					✓			
Ø 25,00 mm								

# Mattress Spring Steel Wire



## Area of Use

- Furniture Industry
- Automobile Industry

## Product Information

- Non-alloyed steel used as material : EN 10016
- Micro Springs
- Tablet Springs
- Bonnell Springs
- Pocket Springs
- Zig-Zag

## Production Ranges

- Ø 0,80 - 5,00 mm



## Packaging

Z-2 Coils	350 - 400 Kg
Z-3 Coils	500 - 700 Kg
Rosette Coils With/out cardboard	500 - 1.000 Kg
Wooden and Metal Spools	
Spools supplied by customer	



## Packaging Information



Packaging Type	Z-2	Z-3	Rosette Coil
Weight per Coil	300-400 Kg	500-700 Kg	500-800 Kg
Inner Dia. (d)	355	450	450-550
Outer Dia. (D)	660	700	700-800
Length (H)	280	500	550-750
Ø 0,80 mm	✓		
Ø 0,90 mm	✓		
Ø 1,00 mm	✓		
Ø 1,10 mm	✓	✓	
Ø 1,20 mm	✓	✓	
Ø 1,30 mm	✓	✓	✓
Ø 1,40 mm	✓	✓	✓
Ø 1,50 mm	✓	✓	✓
Ø 1,60 mm		✓	✓
Ø 1,70 mm		✓	✓
Ø 1,80 mm		✓	✓
Ø 1,90 mm			✓
Ø 2,00 mm			✓
Ø 2,20 mm			✓
Ø 2,38 mm			✓
Ø 3,60 mm			✓
Ø 3,80 mm			✓
Ø 5,00 mm			✓



# Steel Wire For Ropes



## Area of Use

- Wires for ropes used in tower cranes, elevator and lift systems, construction fields, forestry applications, automotive industry, mining industry, fishing and marine industry, cable industry, and other various application/industry

## Product Information

- Non-alloyed steel used as material : EN 10016
- Zinc coating on steel wire : EN 10244-2

## Surfaces

- Bright (Phosphated)
- Galvanized (Drawn wire)
- End Galvanized (Final Galvanized)

## Production Ranges

Tensile Strength	Bright	Galvanized
1370	Ø 0,35 - 3,50 mm	Ø 0,30 - 3,50 mm
1570	Ø 0,30 - 2,85 mm	Ø 0,30 - 2,75 mm
1770	Ø 0,25 - 2,50 mm	Ø 0,30 - 2,20 mm
1960	Ø 0,30 - 2,00 mm	Ø 0,30 - 1,85 mm
2060	Ø 0,30 - 1,85 mm	Ø 0,30 - 1,65 mm
2160	Ø 0,30 - 1,65 mm	Ø 0,30 - 1,50 mm

## Packaging

Z-1 Coils	100 - 150 Kg
Z-2 Coils	350 - 400 Kg
Z-3 Coils	600 - 800 Kg
Z-4 Coils	500 - 1.000 Kg
BS 60 Metal	
Spools supplied by customer	

## Packaging Information



Packaging Type	Z-1	Z-2	Z-3	Z-4	BS-60	BS-60
Weight per Coil	100-250 Kg	300-400 Kg	500-700 Kg	500-1.000 Kg	23 Kg	23 Kg
Inner Dia. (d)	355	355	450	550	120	120
Outer Dia. (D)	580	660	700	900	255	255
Length (H)	280	280	500	572	167	167
Ø 0,30 mm					✓	✓
Ø 0,40 mm					✓	✓
Ø 0,50 mm					✓	✓
Ø 0,60 mm	✓	✓			✓	✓
Ø 0,70 mm	✓	✓			✓	✓
Ø 0,80 mm	✓	✓				✓
Ø 0,90 mm	✓	✓				
Ø 1,00 mm	✓	✓				
Ø 1,10 mm	✓	✓	✓			
Ø 1,20 mm	✓	✓	✓			
Ø 1,30 mm	✓	✓	✓			
Ø 1,40 mm	✓	✓	✓			
Ø 1,50 mm	✓	✓	✓	✓		
Ø 1,60 mm			✓	✓		
Ø 1,70 mm			✓	✓		
Ø 1,80 mm			✓	✓		
Ø 1,90 mm				✓		
Ø 2,00 mm				✓		
Ø 2,20 mm				✓		
Ø 2,50 mm				✓		
Ø 3,00 mm				✓		
Ø 3,50 mm				✓		

# Steel Wire For Overhead Line (ACSR)



## Packaging Information

Packaging Type	Rosette Coil
Weight per Coil	500-1.000 Kg
Inner Dia. (d)	450
Outer Dia. (D)	850
Length (H)	900
Ø 1,24 mm	✓
Ø 1,50 mm	✓
Ø 1,75 mm	✓
Ø 2,00 mm	✓
Ø 2,25 mm	✓
Ø 2,50 mm	✓
Ø 2,75 mm	✓
Ø 3,00 mm	✓
Ø 3,00 mm	✓
Ø 0,50 mm	✓
Ø 4,25 mm	✓
Ø 4,75 mm	✓
Ø 5,00 mm	✓
Ø 5,25 mm	✓

## Area of Use

- Overhead powerline

## Product Information

- Non-alloyed steel used as material : EN 10016
- Conductors for overhead lines, Zinc coated steel wires : EN 50189

## Surfaces

- Hot-dipped Galvanized

## Production Ranges

- Ø 1,24 - 5,50 mm

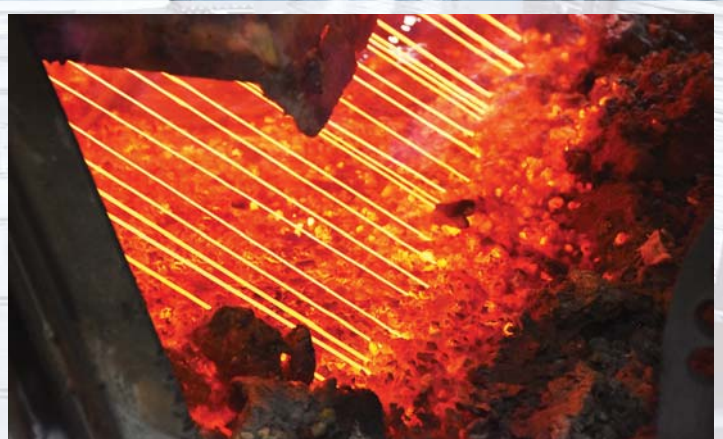
## Packaging

- Rosette Coils 500 - 1.000 Kg





# Patented and Final Galvanized Wires



## Packaging Information

Packaging Type	Rosette Coil
Weight per Coil	500-1.000 Kg
Inner Dia. (d)	450
Outer Dia. (D)	850
Length (H)	900
Ø 1,60 mm	✓
Ø 1,80 mm	✓
Ø 2,00 mm	✓
Ø 2,20 mm	✓
Ø 2,40 mm	✓
Ø 2,50 mm	✓
Ø 2,80 mm	✓
Ø 3,00 mm	✓
Ø 3,10 mm	✓
Ø 3,50 mm	✓
Ø 4,00 mm	✓
Ø 4,50 mm	✓
Ø 5,00 mm	✓
Ø 5,50 mm	✓

### Area of Use

- Patented wires used for redrawing; to produce rope wire, spring steel wire, etc.
- Final galvanized wires (low or high carbon) for various applications

### Product Information

- Non-alloyed steel used as material : EN 10016

### Surfaces

- Phosphated
- Galvanized (up to 350 g/m<sup>2</sup>)

### Production Ranges

- Phosphated Ø 1,60 - 5,50 mm
- Galvanized Ø 1,60 - 5,50 mm

### Packaging

- Rosette Coils 500 - 1.000 Kg



# Cold Heading Wire

## Area of Use

- Mainly used in Automobile Industry
- Nuts, bolts, screws

## Product Information

- Material : EN 10263-2
- Material : EN 10263-4

## Surfaces

- Phosphated

## Production Ranges

- Ø 4,20 - 25,00 mm

## Packaging

- Coil



# Steel Wire Ropes

## Area of Use

- Steel wire ropes are used in industries such as cranes, elevators, automobile, construction, cables, minings, marble, cable, fishing, marine, forestry and various other application/industry.

## Product Information

- Stranded ropes for general lifting applications : EN 12385-4+A1
- Non-alloyed steel used as material : EN 10016
- Zinc coating on steel wire : EN 10244-2

## Surfaces

- Phosphated
- Galvanized

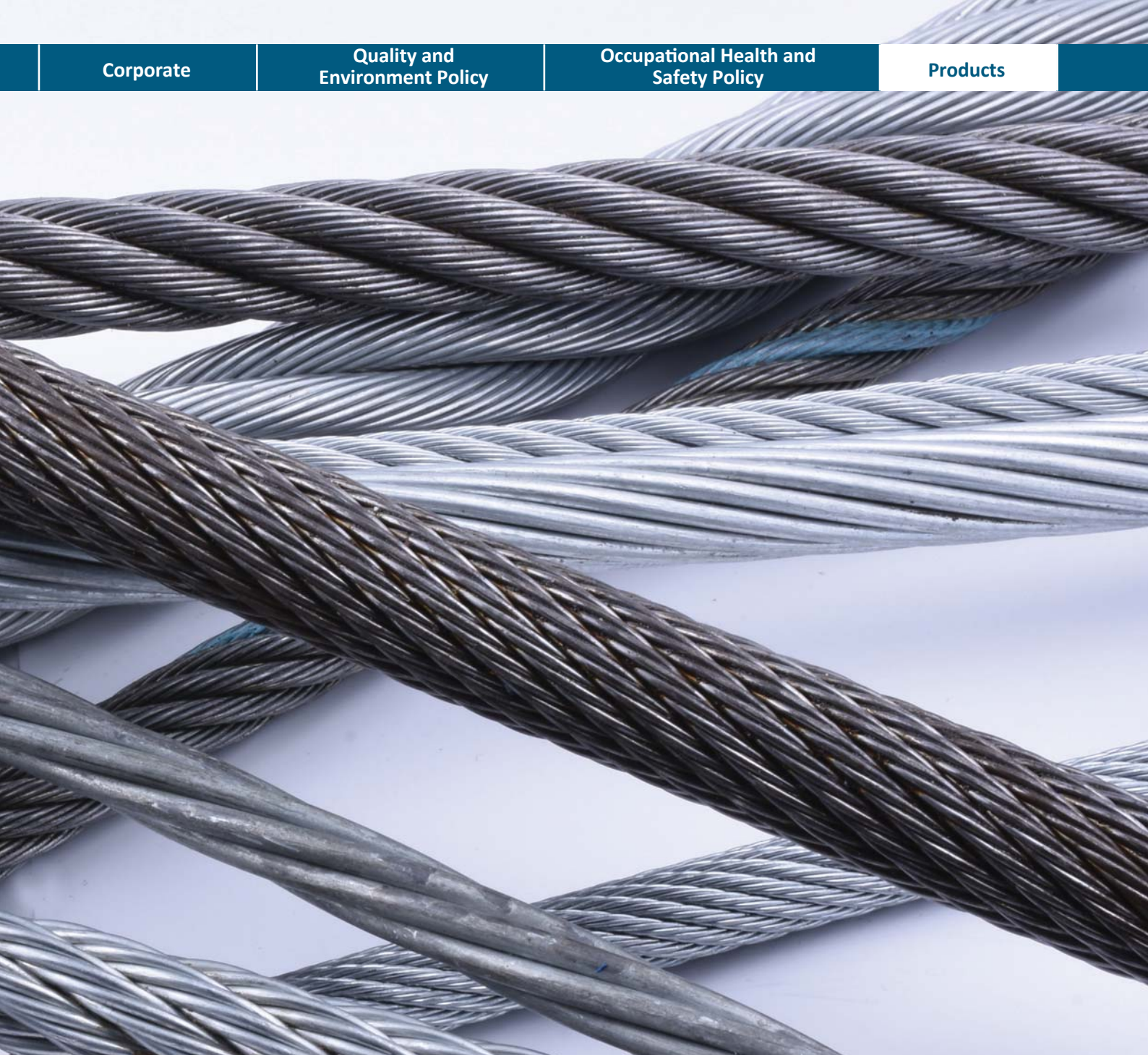


## Packaging

- Wooden Reels







### Product Ranges

Tensile Strength	6x7	6x19 M	6x19 S 6x19 W	6x24	6x25 F	6x26 WS 6x31 WS 6x36 WS	18x7
1570	Ø 3,00 - 20,00 mm	Ø 4,00 - 36,00 mm	Ø 6,00 - 34,00 mm	Ø 8,00 - 26,00 mm	Ø 12,00 - 36,00 mm	Ø 10,00 - 40,00 mm	
1770	Ø 3,00 - 20,00 mm	Ø 4,00 - 34,00 mm	Ø 6,00 - 32,00 mm	Ø 8,00 - 26,00 mm	Ø 12,00 - 32,00 mm	Ø 10,00 - 40,00 mm	Ø 6,00 - 24,00 mm
1960	Ø 3,00 - 18,00 mm	Ø 4,00 - 28,00 mm	Ø 6,00 - 28,00 mm	Ø 8,00 - 26,00 mm	Ø 12,00 - 28,00 mm	Ø 10,00 - 34,00 mm	Ø 6,00 - 20,00 mm
2060	Ø 3,00 - 16,00 mm	Ø 4,00 - 26,00 mm	Ø 6,00 - 22,00 mm	Ø 8,00 - 26,00 mm	Ø 12,00 - 24,00 mm	Ø 10,00 - 28,00 mm	
2160	Ø 3,00 - 16,00 mm	Ø 4,00 - 24,00 mm	Ø 6,00 - 20,00 mm	Ø 8,00 - 26,00 mm	Ø 12,00 - 22,00 mm	Ø 10,00 - 24,00 mm	

Type of core : FC, PPC, WSC, IWRC and etc.

Please contact to us for other grades, construction, diameter, and etc.

# Elevator Ropes



## Area of Use

- Steel wire ropes used in elevator as main lifting rope and over-speed governer rope.
- Ropes can be used in hydraulic lifts, in gearless machines and etc. for high speed elevators.

## Surfaces

- Bright (Phosphated)
- Galvanized

## Production Ranges

Tensile Strength	6x19 Seale	6x19 Warrington	SWR 8x19 Seale	SWR K200	SWR K240
1370/1770			Ø 8,00 - 13,00 mm		
1570	Ø 6,00 - 18,00 mm	Ø 6,00 - 18,00 mm	Ø 8,00 - 13,00 mm	Ø 8,00 - 13,00 mm	Ø 8,00 - 13,00 mm
1770	Ø 6,00 - 18,00 mm	Ø 6,00 - 18,00 mm	Ø 8,00 - 13,00 mm	Ø 6,50	Ø 6,50
1960	Ø 6,00 - 18,00 mm	Ø 6,00 - 18,00 mm			

Type of core : FC, PPC, WSC, IWRC and etc.  
Please contact to us for other grades, construction, diameter, and etc.

## Product Information

- Stranded ropes for lifts : EN 12385-5
- Non-alloyed steel used as material : EN 10016
- Zinc coating on steel wire : EN 10244-2
- EN 81-20
- Low-Rise
- Mid-Rise
- High-Rise

## Packaging

- Wooden Reels



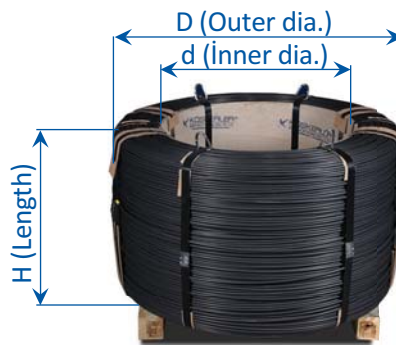


# Packaging Information





# Packaging Information



Packaging Type	Z-1	Z-2	Z-3	Z-4	Z-5	BS-60	Rosette Coil	Coil-100	Coil-250	Coil-1.500
Weight per Coil	100-250 Kg	300-400 Kg	500-700 Kg	500-1.000 Kg	1.000-2.000 Kg	23 Kg	500-1.000 Kg	100-150 Kg	200-250 Kg	1500 Kg
Inner Dia. (d)	355	355	450	550	750	120	450-550	600	600-800	1200
Outer Dia. (D)	580	660	700	900	1100	255	700-850	750	850-1000	1400
Length (H)	280	280	500	572	650	167	550-900			
Ø 0,30 mm						✓				
Ø 0,40 mm						✓				
Ø 0,50 mm						✓				
Ø 0,60 mm	✓	✓				✓				
Ø 0,70 mm	✓	✓				✓				
Ø 0,80 mm	✓	✓								
Ø 0,90 mm	✓	✓								
Ø 1,00 mm	✓	✓								
Ø 1,10 mm	✓	✓	✓							
Ø 1,20 mm	✓	✓	✓							
Ø 1,30 mm	✓	✓	✓				✓			
Ø 1,40 mm	✓	✓	✓				✓			
Ø 1,50 mm	✓	✓	✓	✓			✓			
Ø 1,60 mm			✓	✓			✓	✓		
Ø 1,70 mm			✓	✓			✓	✓		
Ø 1,80 mm			✓	✓			✓	✓		
Ø 1,90 mm				✓			✓	✓		
Ø 2,00 mm				✓			✓	✓		
Ø 2,20 mm				✓			✓	✓		
Ø 2,50 mm				✓			✓	✓	✓	
Ø 3,00 mm				✓			✓		✓	
Ø 3,50 mm				✓			✓		✓	
Ø 4,00 mm				✓			✓		✓	
Ø 4,50 mm				✓			✓		✓	
Ø 5,00 mm				✓	✓		✓		✓	
Ø 5,50 mm				✓	✓		✓		✓	
Ø 6,00 mm				✓	✓				✓	
Ø 7,00 mm				✓	✓				✓	
Ø 8,00 mm					✓				✓	
Ø 9,00 mm					✓				✓	
Ø 10,00 mm					✓				✓	✓
Ø 11,00 mm					✓					✓
Ø 12,00 mm					✓					✓
Ø 13,00 mm					✓					✓
Ø 14,00 mm										✓
Ø 25,00 mm										✓





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