



# Wire Rod

**Sales office:**

Riva Acier - Z.I. de Limay-Porcheville - F-78440 Gargenville

**Tel:** +33 1.30.98.20.00 - **Fax:** +33 1.30.98.20.21

**Email:** [commercial.france@rivagroup.com](mailto:commercial.france@rivagroup.com)

Revision 04/2021



# Wire rod for reinforced concrete, welded wire mesh or wire drawing

**Sales office:** Riva Acier - Z.I. de Limay-Porcheville - F-78440 Gargenville - **Tel:** +33 1.30.98.20.00 - **Fax:** +33 1.30.98.20.21  
**Email:** commercial.france@rivagroup.com

Revision 04/2021

## PACKAGING

Production site	Coil length	Inner diameter	Outer diameter	Coil weight
SAM Neuves Maisons	~ 2000 mm	~ 800 mm	~ 1300 mm	~ 2.400 tons
SAM Montereau	~ 1400 mm	~ 880 mm	~ 1220 mm	~ 1.915 tons

## RANGE OF DIAMETERS

Production site	Designation	Specification	Diameter
	B 235 C	NF A 35-015	5,5 - 6 - 8 - 10 - 12 - 14 - 16 mm
SAM Montereau and SAM Neuves Maisons	Welded mesh qualities TSA and TSB	NF A 35-052	5.5 to 16 mm
	Wire rod for drawing SAE 1006. 1008. 1010. 1012. 1015 and 1018	ASTM A510	5.5 to 16 mm
	Semi-mild wire for drawing	Client	5.5 to 16 mm
SAM Montereau	Mild wire for drawing and galvanizing	Client	5.5 to 16 mm
	Semi-hard wire for drawing	Client	5.5 to 16 mm

Diameter 5.5 only at SAM Neuves Maisons



# Wire Rod

Revision: 04/2021 - Pag 3 of 7

## MECHANICAL CHARACTERISTICS AND CHEMICAL COMPOSITIONS

Designation	C% Max.	Mn% Max.	P% Max.	S% Max.	N <sub>2</sub> % Max.	CEV Max.
B 235 C	0.22	-	0.050	0.050	0.014	0.50
Welded mesh quality - TSA	0.18	-	0.050	0.050	0.012	0.45
Welded mesh quality - TSB	0.18	-	0.050	0.050	0.012	0.45
Wire rod for drawing SAE 1006	0.08	0.25 to 0.40	0.040	0.050	-	-
Wire rod for drawing SAE 1008	0.010	0.30 to 0.50	0.040	0.050	-	-
Wire rod for drawing SAE 1010	0.08 to 0.13	0.30 to 0.60	0.040	0.050	-	-
Wire rod for drawing SAE 1012	0.10 to 0.15	0.30 to 0.60	0.040	0.050	-	-
Wire rod for drawing SAE 1015	0.13 to 0.18	0.30 to 0.60	0.040	0.050	-	-
Wire rod for drawing SAE 1018	0.15 to 0.20	0.60 to 0.90	0.040	0.050	-	-
Mild wire for drawing	Client specifications					
Mild wire for drawing and galvanizing	Client specifications					
Semi-hard wire for drawing	Client specifications					

Cu ≤ 0.80

Designation	R <sub>e</sub> (MPa) Val. charact.	R <sub>m</sub> (MPa) Min.	R <sub>m</sub> (MPa) Max.	R <sub>m</sub> /R <sub>e</sub> Val. charact.	A <sub>gt</sub> (%) Val. charact.	A <sub>5d</sub> (%) Min.
B 235 C	235	-	-	1.15	10.0	-
Welded mesh quality - TSA	-	380	460	-	-	-
Welded mesh quality - TSB	-	440	520	-	-	-
Wire rod for drawing SAE 1006	-	-	-	-	-	-
Wire rod for drawing SAE 1008	-	-	-	-	-	-
Wire rod for drawing SAE 1010	-	-	-	-	-	-
Wire rod for drawing SAE 1012	-	-	-	-	-	-
Wire rod for drawing SAE 1015	-	-	-	-	-	-
Wire rod for drawing SAE 1018	-	-	-	-	-	-
Mild wire for drawing	Client specifications					
Mild wire for drawing and galvanizing	Client specifications					
Semi-hard wire for drawing	Client specifications					

This information is provided for guidance purposes only. Special specifications may be indicated in the tender.



# Wire Rod

Revision: 04/2021 - Pag 4 of 7

## ADDITIONAL INFORMATION

In our objective of circular economy and in accordance with the regulations, we ask our customers to inform the end users as well as the companies in charge of the demolition of structures, buildings and edifices, on the importance of waste sorting and more precisely that of the reinforcements present in the concrete. This shared vigilance contributes to the preservation of the environment as well as the reduction of carbon footprints linked to the extraction of raw materials that can be avoided by recycling and reuse.

## CERTIFICATION

UNITED KINGDOM

SAM Montereau: CARES (grade 250 and Feedstock Ø 6 to 13)

QUALITY / SAFETY / ENVIRONMENT

SAM Montereau: Quality System Certificate AFAQ/AFNOR  
ISO 9001, ISO 14001, BS OHSAS 18001, ISO 50001  
SAM Neuves Maisons: Quality System Certificate AFAQ/AFNOR  
ISO 9001, ISO 14001, BS OHSAS 18001, ISO 50001

QUALITY

PARSIDER RIVA ACIER: Multi-site Quality System Certificate AFAQ/AFNOR





# TSA - TSB - B235C - GRADE 250 - FEEDSTOCK - SAE 1006 À 1018

**Sales office:** Riva Acier - Z.I. de Limay-Porcheville - F-78440 Gargenville - **Tel:** +33 1.30.98.20.00 - **Fax:** +33 1.30.98.20.21  
**Email:** commercial.france@rivagroup.com

Revision 04/2021

## PACKAGING

Production site	Coil length	Inner diameter	Outer diameter	Coil weight
SAM Neuves Maisons	~ 2000 mm	~ 800 mm	~ 1300 mm	~ 2,400 tons
SAM Montereau	~ 1400 mm	~ 880 mm	~ 1220 mm	~ 1,915 tons

## RANGE OF DIAMETERS

Production site	Designation	Specification	Diameter
SAM Neuves Maisons	B 235 C	NF A 35-015	5,5 - 6 - 8 - 10 - 12 -14 - 16 mm
	Welded mesh qualities TSA and TSB	NF A 35-052	5.5 to 16 mm
	Wire rod for drawing SAE 1006. 1008. 1010. 1012. 1015 and 1018	ASTM A510	5.5 to 16 mm
	Mild wire for drawing	Client	5.5 to 16 mm
	Mild wire for drawing and galvanizing	Client	5.5 to 16 mm
	Semi-hard wire for drawing	Client	5.5 to 16 mm
SAM Montereau	B 235 C	NF A 35-015	6 to 14 mm
	Welded mesh qualities TSA and TSB	NF A 35-052	6 to 14 mm
	Grade 250	BS 4482	6 to 13 mm
	Plain rod coil FEEDSTOCK	BS 4482 and BS4449	6 to 13 mm
	Wire rod for drawing SAE 1006. 1008. 1010	ASTM A510	6 to 14 mm



# TSA - TSB - B235C GRADE 250 - FEEDSTOCK - SAE 1006 À 1018

Revision: 04/2021 - Pag 6 of 7

## MECHANICAL CHARACTERISTICS AND CHEMICAL COMPOSITIONS

Designation	C% Max.	Mn% Max.	P% Max.	S% Max.	N <sub>2</sub> % Max.	CEV Max.
B 235 C	0.22	-	-	-	-	0.50
Welded mesh quality - TSA	0.18	-	0.050	0.050	0.012	0.45
Welded mesh quality - TSB	0.18	-	0.050	0.050	0.012	0.45
Wire rod for drawing SAE 1006	0.08	0.25 to 0.40	0.040	0.050	-	-
Wire rod for drawing SAE 1008	0.010	0.30 to 0.50	0.040	0.050	-	-
Wire rod for drawing SAE 1010	0.08 to 0.13	0.30 to 0.60	0.040	0.050	-	-
Wire rod for drawing SAE 1012	0.10 to 0.15	0.30 to 0.60	0.040	0.050	-	-
Wire rod for drawing SAE 1015	0.13 to 0.18	0.30 to 0.60	0.040	0.050	-	-
Wire rod for drawing SAE 1018	0.15 to 0.20	0.60 to 0.90	0.040	0.050	-	-
Mild wire for drawing	Client specifications					
Mild wire for drawing and galvanizing	Client specifications					
Semi-hard wire for drawing	Client specifications					
Grade 250	0.25	-	0.060	0.060	0.012	0.42
Alambron	0.22	-	0.050	0.050	0.012	0.50

Designation	R <sub>e</sub> (MPa) Val. charact.	R <sub>m</sub> (MPa) Min.	R <sub>m</sub> (MPa) Max.	R <sub>m</sub> /R <sub>e</sub> Val. charact.	A <sub>gt</sub> (%) Val. charact.	A <sub>5d</sub> (%) Min.
B 235 C	235	-	-	1.15	8.0	-
Welded mesh quality - TSA	-	380	460	-	-	-
Welded mesh quality - TSB	-	440	520	-	-	-
Wire rod for drawing SAE 1006	-	-	-	-	-	-
Wire rod for drawing SAE 1008	-	-	-	-	-	-
Wire rod for drawing SAE 1010	-	-	-	-	-	-
Wire rod for drawing SAE 1012	-	-	-	-	-	-
Wire rod for drawing SAE 1015	-	-	-	-	-	-
Wire rod for drawing SAE 1018	-	-	-	-	-	-
Mild wire for drawing	Client specifications					
Mild wire for drawing and galvanizing	Client specifications					
Semi-hard wire for drawing	Client specifications					
Grade 250	250	400	470	1.15	-	30.0
Alambron	-	440	520	-	-	30.0

This information is provided for guidance purposes only. Special specifications may be indicated in the tender.



# TSA - TSB - B235C GRADE 250 - FEEDSTOCK - SAE 1006 À 1018

Revision: 04/2021 - Pag 7 of 7

## ADDITIONAL INFORMATION

Quality Management System: The RIVA ACIER, ALPA and ITON Seine Quality Management Systems are ISO 9001 certified by Lloyd's Register Quality Assurance (LRQA).

In our objective of circular economy and in accordance with the regulations, we ask our customers to inform the end users as well as the companies in charge of the demolition of structures, buildings and edifices, on the importance of waste sorting and more precisely that of the reinforcements present in the concrete. This shared vigilance contributes to the preservation of the environment as well as the reduction of carbon footprints linked to the extraction of raw materials that can be avoided by recycling and reuse.

## CERTIFICATION

FINLAND

ALPA: SFS 1200 to 1202. SFS 1215 and 1251 - A 500 HW  
ITON: SFS 1200 to 1202. SFS 1215 and 1251 - A 500 HW

QUALITY / SAFETY / ENVIRONMENT

ALPA: Quality System Certificate AFAQ/AFNOR  
ISO 9001, ISO 14001, BS OHSAS 18001, ISO 50001  
ITON: Quality System Certificate AFAQ/AFNOR  
ISO 9001, ISO 14001, BS OHSAS 18001, ISO 50001

QUALITY

PARSIDER RIVA ACIER: Multi-site Quality System Certificate