DoP - No VM002 / EN 10088-5:2009

According to Annex III Construction Products Regulation (305/2011/EU) and Regulation (EU) N574/2014

For the construction products	Hot rolled and hot forged bars of Austenitic Stainless Steels acc. to EN 10088-5
Unique identification code for product type	WNr. 1.4301 (V304XLUF)
2. Intended use:	Parts, Close Die Forged Parts and Machined Parts from hot rolled and forged bars for steel construction.
3. Manufacturer:	Villares Metals S. A. Rua Alfredo Dumont Villares, 155, Sumaré, SP, Brasil
4. Authorized representative:	(where relevant name and address of authorised representative / foreign agency)
5. Assessment system and verification for constancy of performance: Acc. To Annex V	System 2+
6. The notified body: has conducted the first inspection and continuous surveillance. According to the system and issued the certificate	TÜV Nord Systems
7. Construction product with European Technical Assessment	No

DoP - No VM002 / EN 10088-5:2009

8. Declared Performance		
Essential Characteristcs		Performance
Tolerance, dimensions and shape	ce, dimensions and shape Hot rolled and forged bars	
Hardness	Nominal Thickness (mm)	max values HBW
4 4004	≤ 160	215
1.4301	160 < d ≤ 400	215
0,2% Yield Strength	Nominal Thickness (mm)	min values MPa
	≤ 160	190
1.4301	160 < d ≤ 400	190
1,0% Yield Strength	Nominal Thickness (mm)	min values MPa
4.4204	≤ 160	225
1.4301	160 < d ≤ 400	225
Tensile Strength	Nominal Thickness (mm)	min values MPa
4 4204	≤ 160	500 - 700
1.4301	160 < d ≤ 400	500 - 700
Elongation	Nominal Thickness (mm)	min values %
1 4201	≤ 160	45 (long)
1.4301	160 < d ≤ 400	35 (transv)
Charpy Impact Test at 20ºC	Nominal Thickness (mm)	min Energy valuesJoule
	≤ 160	100 (long)
1.4301	160 < d ≤ 400	60 (transv)
Charpy Impact Test at -196°C	Nominal Thickness (mm)	min Energy valuesJoule
	≤ 160	60
1.4301	160 < d ≤ 400	60
Internacion Corrector		Examinationunder
Intergranular Corrosion in the delivery condition	Nominal Thickness (mm)	low
		magnification
1.4301	≤ 160	Be approved
	160 < d ≤ 400	Be approved
Intergranular Corrosion in the sensitized condition	Nominal Thickness (mm)	Examination under low magnification
4 4204	≤ 160	NA
1.4301	160 < d ≤ 400	NA
Weldability	Nominal Thickness (mm)	Min values
	≤ 160	Covered by chemical composition
1.4301	160 < d ≤ 400	Covered by chemical composition
Durability	Nominal Thickness (mm)	Min values
-	≤ 160	Covered by chemical
1.4301		composition
	160 < d ≤ 400	Covered by chemical
		composition

DoP - No VM002 / EN 10088-5:2009

Fracture toughness/ brittle strength	Nominal Thickness (mm)	Min values
1.4301	≤ 160	Covered by impact strength
	160 < d ≤ 400	Covered by impact
		strength
Cold formability	Nominal Thickness (mm)	Min values
1.4301	≤ 160	Covered by elongation
	160 < d ≤ 400	Covered by elongation

Signed for and on behalf of the manufacturer:

Maria Carelina Cente Compos

DoP - No VM004/ EN 10088-5:2009

According to Annex III Construction Products Regulation (305/2011/EU) and Regulation (EU) N574/2014

For the construction products	Hot rolled and hot forged bars of Austenitic Stainless Steels acc. to EN 10088-5
Unique identification code for product type	WNr. 1.4306 (N4306VAR)
2. Intended use:	Parts, Close Die Forged Parts and Machined Parts from hot rolled and forged bars for steel construction.
3. Manufacturer:	Villares Metals S. A. Rua Alfredo Dumont Villares, 155, Sumaré, SP, Brasil
4. Authorized representative:	(where relevant name and address of authorised representative / foreign agency)
5. Assessment system and verification for constancy of performance: Acc. To Annex V	System 2+
6. The notified body: has conducted the first inspection and continuous surveillance. According to the system and issued the certificate	BR-TUV Brasil, São Paulo, SP, Brasil
7. Construction product with European Technical Assessment	No

DoP - No VM004/ EN 10088-5:2009

8. Declared Performance		
Essential Characteristcs		Performance
Tolerance, dimensions and shape	Hot rolled and forged bars	EN 10088-5
Hardness	Nominal Thickness (mm)	max values HBW
1.4306	≤ 160	215
	160 <d 400<="" td="" ≤=""><td>215</td></d>	215
0,2% Yield Strength	Nominal Thickness (mm)	min values MPa
1.4306	≤ 160	180
	160 < d ≤ 400	180
1,0% Yield Strength	Nominal Thickness (mm)	min values MPa
1.4306	≤ 160	215
	160 < d ≤ 400	215
Tensile Strength	Nominal Thickness (mm)	min values MPa
1.4306	≤ 160	460 - 680
	160 < d ≤ 400	460 - 680
Elongation	Nominal Thickness (mm)	min values %
1.4306	≤ 160	45 (long)
	160 < d ≤ 400	35 (transv)
Charpy Impact Test at 20°C	Nominal Thickness (mm)	min Energy values Joule
1.4306	≤ 160	100 (long)
1.4500	160 < d ≤ 400	60 (transv)
Charpy Impact Test at -196ºC	Nominal Thickness (mm)	min Energy values Joule
1.4200	≤ 160	60
1.4306	160 < d ≤ 400	60
Intergranular Corrosion		Examination
in the delivery condition	Nominal Thickness (mm)	under low
		magnification
1.4306	≤ 160	Be approved
	160 < d ≤ 400	Be approved
Intergranular Corrosion	Nominal Thickness (mm)	Examination under low
in the sensitized condition	Nominal mickiess (min)	magnification
	≤ 160	Be approved
1.4306	160 < d ≤ 400	Be approved
Weldability	Nominal Thickness (mm)	Min values
	≤ 160	Covered by chemical
1.4306		composition
1.7300	160 < d ≤ 400	Covered by chemical composition
Durability	Nominal Thickness (mm)	Min values
	≤ 160	Covered by chemical
1.4306		composition
	160 < d ≤ 400	Covered by chemical composition
Fracture toughness/ brittle strength	Nominal Thickness (mm)	Min values

DoP - No VM004/ EN 10088-5:2009

VIVIOU-7 LIV 10000 3.2003		
1.4306	≤ 160	Covered by impact strength
	160 < d ≤ 400	Covered by impact strength
Cold formability	Nominal Thickness (mm)	Min values
1.4306	≤ 160	Covered by elongation
	160 < d ≤ 400	Covered by elongation

Signed for and on behalf of the manufacturer:

Moria Carolina Couto Campos

DoP - No VM005/ EN 10088-5:2009

According to Annex III Construction Products Regulation (305/2011/EU) and Regulation (EU) N574/2014

For the construction products	Hot rolled and hot forged bars of Austenitic Stainless Steel acc. to EN 10088-5
Unique identification code for product type	WNr. 1.4401
2. Intended use:	Parts, Close Die Forged Parts and Machined Parts from hot rolled and forged bars for steel construction.
3. Manufacturer:	Villares Metals S. A. Rua Alfredo Dumont Villares, 155, Sumaré, SP, Brasil
4. Authorized representative:	(where relevant name and address of authorised representative / foreign agency)
5. Assessment system and verification for constancy of performance: Acc. To Annex V	System 2+
6. The notified body: has conducted the first inspection and continuous surveillance. According to the system and issued the certificate	BR-TUV Brasil, São Paulo, SP, Brasil
7. Construction product with European Technical Assessment	No

DoP – No VM005/ EN 10088-5:2009

8. Declared Performance		
Essential Characteristcs		Performance
Tolerance, dimensions and shape	Hot rolled and forged bars	EN 10088-5
Hardness	Nominal Thickness (mm)	max values HBW
1.4401	≤ 160	215
1.7701	160 <d 450<="" td="" ≤=""><td>215</td></d>	215
0,2% Yield Strength	Nominal Thickness (mm)	min values MPa
1.4401	≤ 160	200
	160 < d ≤ 450	200
1,0% Yield Strength	Nominal Thickness (mm)	min values MPa
1.4401	≤ 160	235
	160 < d ≤ 450	235
Tensile Strength	Nominal Thickness (mm)	min values MPa
1.4401	≤ 160	500 - 700
	160 < d ≤ 450	500 - 700
Elongation	Nominal Thickness (mm)	min values %
1.4401	≤ 160	40 (long)
	160 < d ≤ 450	30 (transv)
Charpy Impact Test at 20°C	Nominal Thickness (mm)	min Energy valuesJoule
1 4401	≤ 160	100 (long)
1.4401	160 < d ≤ 450	60 (transv)
Charpy Impact Test at -196ºC	Nominal Thickness (mm)	min Energy valuesJoule
4.4404	≤ 160	60
1.4401	160 < d ≤ 450	60
Interpretation Commercian		Examination under
Intergranular Corrosion in the delivery condition	Nominal Thickness (mm)	low magnification
1 4401	≤ 160	Be approved
1.4401	160 < d ≤ 450	Be approved
Intergranular Corrosion in the sensitized condition	Nominal Thickness (mm)	Examination under low magnification
	≤ 160	NA
1.4401	160 < d ≤ 450	NA
Weldability	Nominal Thickness (mm)	Min values
	≤ 160	Covered by chemical composition
1.4401	160 < d ≤ 400	Covered by chemical composition
Durability	Nominal Thickness (mm)	Min values
	≤ 160	Covered by chemical
1.4401		composition
	160 < d ≤ 400	Covered by chemical
		composition

DoP - No VM005/EN 10088-5:2009

V111003, E11 ±0000 3:2003		
	≤ 160	Covered by impact
1.4401		strength
	160 < d ≤ 400	Covered by impact
		strength
Cold formability	Nominal Thickness (mm)	Min values
1.4401	≤ 160	Covered by elongation
	160 < d ≤ 400	Covered by elongation

Signed for and on behalf of the manufacturer:

Moria Carelina Cente Compos

DoP - No VM001 / EN 10088-5:2009

According to Annex III Construction Products Regulation (305/2011/EU) and Regulation (EU) N574/2014

For the construction products	Hot rolled and hot forged bars of Austenitic Stainless Steels acc. to EN 10088-5
Unique identification code for product type	WNr. 1.4404 (N4404)
2. Intended use:	Parts, Close Die Forged Parts and Machined Parts from hot rolled and forged bars for steel construction.
3. Manufacturer:	Villares Metals S. A. Rua Alfredo Dumont Villares, 155, Sumaré, SP, Brasil
4. Authorized representative:	(where relevant name and address of authorised representative / foreign agency)
5. Assessment system and verification for constancy of performance: Acc. To Annex V	System 2+
6. The notified body: has conducted the first inspection and continuous surveillance. According to the system and issued the certificate	BR-TUV Brasil, São Paulo, SP, Brasil
7. Construction product with European Technical Assessment	No

DoP - No VM001 / EN 10088-5:2009

8. Dec	clared Performance	T
Essential Characteristcs		Performance
Tolerance, dimensions and shape	Hot rolled and forged bars	EN 10088-5
Hardness	Nominal Thickness (mm)	max values HBW
1.4404	≤ 160	215
1.4404	160 < d ≤ 400	215
0,2% Yield Strength	Nominal Thickness (mm)	min values MPa
1.4404	≤ 160	200
1.4404	160 < d ≤ 400	200
1,0% Yield Strength	Nominal Thickness (mm)	min values MPa
1.4404	≤ 160	235
1.4404	160 < d ≤ 400	235
Tensile Strength	Nominal Thickness (mm)	min values MPa
1 4404	≤ 160	500 - 700
1.4404	160 < d ≤ 400	500 - 700
Elongation	Nominal Thickness (mm)	min values %
1.4404	≤ 160	40 (long)
	160 < d ≤ 400	30 (transv)
Charpy Impact Test at 20ºC	Nominal Thickness (mm)	min Energy values Joule
1 4404	≤ 160	100 (long)
1.4404	160 < d ≤ 400	60 (transv)
Charpy Impact Test at -196ºC	Nominal Thickness (mm)	min Energy values Joule
1 4404	≤ 160	60
1.4404	160 < d ≤ 400	60
Intergranular Corrosion		Examination
in the delivery condition	Nominal Thickness (mm)	under low
		magnification
1.4404	≤ 160	Be approved
	160 < d ≤ 400	Be approved
Intergranular Corrosion		Examination
in the sensitized condition	Nominal Thickness (mm)	under low magnification
	≤ 160	Be approved
1.4404	160 < d ≤ 400	Be approved
	Nominal Thickness (mm)	Min values
Veldability	Nominal Finckness (IIIII)	IVIIII Values
	≤ 160	Covered by chemical
		composition
4404	160 < d ≤ 400	Covered by chemical
		composition
Durability	Nominal Thickness (mm)	Min values
1.4404	≤ 160	Covered by chemical composition
	160 < d ≤ 400	Covered by chemical
		composition

DoP - No VM001 / EN 10088-5:2009

Fracture toughness/ brittle strength	Nominal Thickness (mm)	Min values
1.4404	≤ 160	Covered by impact strength
	160 < d ≤ 400	Covered by impact strength
Cold formability	Nominal Thickness (mm)	Min values
1.4404	≤ 160	Covered by elongation
	160 < d ≤ 400	Covered by elongation

Signed for and on behalf of the manufacturer:

Moria Carelina Cente Compos

DoP - No VM008/ EN 10088-5:2009

According to Annex III Construction Products Regulation (305/2011/EU) and Regulation (EU) N574/2014

For the construction products	Hot rolled and hot forged bars of Austenitic-Ferritic Stainless Steel acc. to EN 10088-5
Unique identification code for product type	WNr. 1.4462 (N4462)
2. Intended use:	Parts, Close Die Forged Parts and Machined Parts from hot rolled and forged bars for steel construction.
3. Manufacturer:	Villares Metals S. A. Rua Alfredo Dumont Villares, 155, Sumaré, SP, Brasil
4. Authorized representative:	(where relevant name and address of authorised representative / foreign agency)
5. Assessment system and verification for constancy of performance: Acc. To Annex V	System 2+
6. The notified body: has conducted the first inspection and continuous surveillance. According to the system and issued the certificate	BR-TUV Brasil, São Paulo, SP, Brasil
7. Construction product with European Technical Assessment	No

DoP - No VM008/ EN 10088-5:2009

8. Declared Performance		
Essential Characteristcs		Performance
Tolerance, dimensions and shape	Hot rolled and forged bars	EN 10088-5
Hardness	Nominal Thickness (mm)	max values HBW
1.4462	≤ 160	270
0,2% Yield Strength	Nominal Thickness (mm)	min values MPa
1.4462	≤ 160	450
Tensile Strength	Nominal Thickness (mm)	min values MPa
1.4462	≤ 160	650 - 880
Elongation	Nominal Thickness (mm)	min values %
1.4462	≤ 160	25 (long)
Charpy Impact Test at 20°C	Nominal Thickness (mm)	min Energy values Joule
1.4462	≤ 160	100 (long)
Charpy Impact Test at -40°C	Nominal Thickness (mm)	min Energy values Joule
1.4462	≤ 160	40 (long)
Intergranular Corrosion in the delivery condition	Nominal Thickness (mm)	Examination under low magnification
1.4462	≤ 160	Be approved
Intergranular Corrosion in the sensitized condition	Nominal Thickness (mm)	Examination under low magnification
1.4462	≤ 160	Be approved
Weldability	Nominal Thickness (mm)	Min values
	≤ 160	Covered by chemical composition
1.4462	160 < d ≤ 400	Covered by chemical composition
Durability	Nominal Thickness (mm)	Min values
1.4462	≤ 160	Covered by chemical composition
	160 < d ≤ 400	Covered by chemical composition
Fracture toughness/ brittle strength	Nominal Thickness (mm)	Min values
1.4462	≤ 160	Covered by impact strength
	160 < d ≤ 400	Covered by impact strength
Cold formability	Nominal Thickness (mm)	Min values
1.4462	≤ 160	Covered by elongation
	160 < d ≤ 400	Covered by elongation

DoP - No VM008/ EN 10088-5:2009

Signed for and on behalf of the manufacturer:

Maria Carelina Cente Compos

Maria Carolina Couto Campos

DoP - No VM009 / EN 10088-5:2009

According to Annex III Construction Products Regulation (305/2011/EU) and Regulation (EU) N574/2014

For the construction products	Hot rolled and hot forged bars of Autenitic-Ferritic Stainless Steels acc. to EN 10088-5
Unique identification code for product type	WNr. 1.4501 (N4501)
2. Intended use:	Parts, Close Die Forged Parts and Machined Parts from hot rolled and forged bars for steel construction.
3. Manufacturer:	Villares Metals S. A. Rua Alfredo Dumont Villares, 155, Sumaré, SP, Brasil
4. Authorized representative:	(where relevant name and address of authorised representative / foreign agency)
5. Assessment system and verification for constancy of performance: Acc. To Annex V	System 2+
6. The notified body: has conducted the first inspection and continuous surveillance. According to the system and issued the certificate	BR-TUV Brasil, São Paulo, SP, Brasil
7. Construction product with European Technical Assessment	No

DoP - No VM009 / EN 10088-5:2009

8. Dec	lared Performance		
Essential Charac	Essential Characteristcs Performance		
Tolerance, dimensions and shape	Hot rolled and forged bars	EN 10088-5	
Hardness	Nominal Thickness (mm)	max values HBW	
1.4501	≤ 160	290	
0,2% Yield Strength	Nominal Thickness (mm)	min values MPa	
1.4501	≤ 160	530	
Tensile Strength	Nominal Thickness (mm)	min values MPa	
1.4501	≤ 160	730 - 930	
Elongation	Nominal Thickness (mm)	min values %	
1.4501	≤ 160	25 (long)	
Charpy Impact Test at 20°C	Nominal Thickness (mm)	min Energy values Joule	
1.4501	≤ 160	100 (long)	
Charpy Impact Test at -40°C	Nominal Thickness (mm)	min Energy values Joule	
1.4501	≤ 160	40 (long)	
Intergranular Corrosion in the delivery condition	Nominal Thickness (mm)	Examination under low magnification	
1.4501	≤ 160	Be approved	
Intergranular Corrosion in the sensitized condition	Nominal Thickness (mm)	Examination under low magnification	
1.4501	≤ 160	Be approved	
Weldability	Nominal Thickness (mm)	Min values	
1.4501	≤ 160	Covered by chemical composition	
	160 < d ≤ 400	Covered by chemical composition	
Durability	Nominal Thickness (mm)	Min values	
1.4501	≤ 160	Covered by chemical composition	
	160 < d ≤ 400	Covered by chemical composition	
Fracture toughness/ brittle strength	Nominal Thickness (mm)	Min values	
1.4501	≤ 160	Covered by impact strength	
	160 < d ≤ 400	Covered by impact strength	
Cold formability	Nominal Thickness (mm)	Min values	
1.4501	≤ 160	Covered by elongation	
	160 < d ≤ 400	Covered by elongation	

DoP - No VM009 / EN 10088-5:2009

Signed for and on behalf of the manufacturer:

Maria Carelina Cente Compos

Maria Carolina Couto Campos

DoP - No VM007 / EN 10088-5:2009

According to Annex III Construction Products Regulation (305/2011/EU) and Regulation (EU) N574/2014

For the construction products	Hot rolled and hot forged bars of Austenitic-Ferritic Stainless Steel acc. to EN 10088-5
Unique identification code for product type	WNr. 1.4507 (N4507)
2. Intended use:	Parts, Close Die Forged Parts and Machined Parts from hot rolled and forged bars for steel construction.
3. Manufacturer:	Villares Metals S. A. Rua Alfredo Dumont Villares, 155, Sumaré, SP, Brasil
4. Authorized representative:	(where relevant name and address of authorised representative / foreign agency)
5. Assessment system and verification for constancy of performance: Acc. To Annex V	System 2+
6. The notified body: has conducted the first inspection and continuous surveillance. According to the system and issued the certificate	BR-TUV Brasil, São Paulo, SP, Brasil
7. Construction product with European Technical Assessment	No

DoP - No VM007 / EN 10088-5:2009

8. Dec	lared Performance		
Essential Charac	Essential Characteristcs Performance		
Tolerance, dimensions and shape	Hot rolled and forged bars	EN 10088-5	
Hardness	Nominal Thickness (mm)	max values HBW	
1.4507	≤ 160	270	
0,2% Yield Strength	Nominal Thickness (mm)	min values MPa	
1.4507	≤ 160	500	
Tensile Strength	Nominal Thickness (mm)	min values MPa	
1.4507	≤ 160	700 - 900	
Elongation	Nominal Thickness (mm)	min values %	
1.4507	≤ 160	25 (long)	
Charpy Impact Test at 20°C	Nominal Thickness (mm)	min Energy values Joule	
1.4507	≤ 160	100 (long)	
Charpy Impact Test at -40°C	Nominal Thickness (mm)	min Energy values Joule	
1.4507	≤ 160	40 (long)	
Intergranular Corrosion in the delivery condition	Nominal Thickness (mm)	Examination under low magnification	
1.4507	≤ 160	Be approved	
Intergranular Corrosion in the sensitized condition	Nominal Thickness (mm)	Examination under low magnification	
1.4507	≤ 160	Be approved	
Weldability	Nominal Thickness (mm)	Min values	
1.4507	≤ 160	Covered by chemical composition	
	160 < d ≤ 400	Covered by chemical composition	
Durability	Nominal Thickness (mm)	Min values	
1.4507	≤ 160	Covered by chemical composition	
	160 < d ≤ 400	Covered by chemical composition	
Fracture toughness/ brittle strength	Nominal Thickness (mm)	Min values	
1.4507	≤ 160	Covered by impact strength	
	160 < d ≤ 400	Covered by impact strength	
Cold formability	Nominal Thickness (mm)	Min values	
1.4507	≤ 160	Covered by elongation	
	160 < d ≤ 400	Covered by elongation	

DoP - No VM007 / EN 10088-5:2009

Signed for and on behalf of the manufacturer:

Moria Carelina Cente Compos

Maria Carolina Couto Campos

DoP - No VM006 / EN 10088-5:2009

According to Annex III Construction Products Regulation (305/2011/EU) and Regulation (EU) N574/2014

For the construction products	Hot rolled and hot forged bars of Austenitic Stainless Steels acc. to EN 10088-5
Unique identification code for product type	WNr. 1.4541 (N4541)
2. Intended use:	Parts, Close Die Forged Parts and Machined Parts from hot rolled and forged bars for steel construction.
3. Manufacturer:	Villares Metals S. A. Rua Alfredo Dumont Villares, 155, Sumaré, SP, Brasil
4. Authorized representative:	(where relevant name and address of authorised representative / foreign agency)
5. Assessment system and verification for constancy of performance: Acc. To Annex V	System 2+
6. The notified body: has conducted the first inspection and continuous surveillance. According to the system and issued the certificate	BR-TUV Brasil, São Paulo, SP, Brasil
7. Construction product with European Technical Assessment	No

DoP - No VM006 / EN 10088-5:2009

8. Declared Performance		
Essential Characteristcs Performance		
Tolerance, dimensions and shape	Hot rolled and forged bars	EN 10088-5
Hardness	Nominal Thickness (mm)	max values HBW
	≤ 160	215
1.4541	160 <d 400<="" td="" ≤=""><td>215</td></d>	215
0,2% Yield Strength	Nominal Thickness (mm)	min values MPa
	≤ 160	190
1.4541	160 < d ≤ 400	190
1,0% Yield Strength	Nominal Thickness (mm)	min values MPa
	≤ 160	225
1.4541	160 < d ≤ 400	225
Tensile Strength	Nominal Thickness (mm)	min values MPa
	≤ 160	500 - 700
1.4541	160 < d ≤ 400	500 - 700
Elongation	Nominal Thickness (mm)	min values %
	≤ 160	40 (long)
1.4541	160 < d ≤ 400	30 (transv)
Charpy Impact Test	Nominal Thickness (mm)	min Energy values Joule
ut 20-C	≤ 160	100 (long)
1.4541	160 < d ≤ 400	60 (transv)
Charpy Impact Test at -196°C	Nominal Thickness (mm)	min Energy values Joule
	≤ 160	60
1.4541	160 < d ≤ 400	60
		Examination
Intergranular Corrosion	Nominal Thickness (mm)	under low
in the delivery condition		magnification
1.4541	≤ 160	Be approved
1.4341	160 < d ≤ 400	Be approved
Intergranular Corrosion		Examination
in the sensitized condition	Nominal Thickness (mm)	under low
	1100	magnification
1.4541	≤ 160	Be approved
	160 < d ≤ 400	Be approved
Weldability	Nominal Thickness (mm)	Min values
1.4541	≤ 160	Covered by chemica composition
	160 < d ≤ 400	Covered by chemica composition
Durability	Nominal Thickness (mm)	Min values
1.4541	≤ 160	Covered by chemica composition
	160 < d ≤ 400	Covered by chemica composition

DoP - No VM006 / EN 10088-5:2009

Fracture toughness/ brittle strength	Nominal Thickness (mm)	Min values
1.4541	≤ 160	Covered by impact strength
	160 < d ≤ 400	Covered by impact strength
Cold formability	Nominal Thickness (mm)	Min values
1.4541	≤ 160	Covered by elongation
	160 < d ≤ 400	Covered by elongation

Signed for and on behalf of the manufacturer:

Morra Caralina Cauta Compos

DoP - No VM003/ EN 10088-5:2009

According to Annex III Construction Products Regulation (305/2011/EU) and Regulation (EU) N574/2014

For the construction products	Hot rolled and hot forged bars of Austenitic Stainless Steels acc. to EN 10088-5
Unique identification code for product type	WNr. 1.4571 (N4571)
2. Intended use:	Parts, Close Die Forged Parts and Machined Parts from hot rolled and forged bars for steel construction.
3. Manufacturer:	Villares Metals S. A. Rua Alfredo Dumont Villares, 155, Sumaré, SP, Brasil
4. Authorized representative:	(where relevant name and address of authorised representative / foreign agency)
5. Assessment system and verification for constancy of performance: Acc. To Annex V	System 2+
6. The notified body: has conducted the first inspection and continuous surveillance. According to the system and issued the certificate	TÜV Nord Systems
7. Construction product with European Technical Assessment	No

DoP – No VM003/ EN 10088-5:2009

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DoP - No VM003/EN 10088-5:2009

1.4571	≤ 160	Covered by impact
		strength
	160 < d ≤ 400	Covered by impact
		strength
Cold formability	Nominal Thickness (mm)	Min values
1.4571	≤ 160	Covered by
		elongation
	160 < d ≤ 400	Covered by
		elongation

Signed for and on behalf of the manufacturer:

Morra Carelina Cente Compos