



# Catalog of Products

## کاتالوگ محصولات

شهرستان مازندران  
شرکت فولاد کاوه جنوب کیش

**SKS**  
South Kaveh Steel Co.



شرکت فولاد کاوه جنوب کیش یکی از بزرگ‌ترین سرمایه‌گذاری‌های بنیاد مستضعفان انقلاب اسلامی در بخش تولید فولاد به شمار می‌رود که عملیات احداث آن از سال ۱۳۸۶ در منطقه ویژه اقتصادی صنایع معدنی و فلزی خلیج فارس در زمینی به مساحت ۱۷۰ هکتار در بندرعباس آغاز گردیده است. تکمیل زنجیره فولاد از معدن تا مقاطع فولادی به منظور حضور در جمع سه تولیدکننده برتر کشور با کسب سهم ۱۰ درصدی از تولید کل کشور در افق سند چشم‌انداز ۲۰ ساله از جمله اهداف نخستین این شرکت است.

مشخصات شمش فولاد

# 1KP

Technical  
Specification  
of Steel Billet

## 150×150



Internal Standard Grade (I.S.G)		Steel Grade	1KP
Nominal Casting Billet Size (mm)	150×150	Steel Group	Low Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.06	-	0.25	-	-	-	-	-	-
	Max.	0.12	0.05	0.50	0.040	0.050	0.30	0.30	0.30	80

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 150 mm
Length	12000 (± 100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6%D <sub>0</sub>   Rh. ≤ 13 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	6 mm
Concavity	± 3 mm
End Bending	Max. 5 mm/m

$$* Rh. = \frac{D_{Max} - D_{min}}{D_0} * 100 \leq 6\% D_0$$

D<sub>0</sub>: Normal Diagonal Cross section of Billet = H/2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

مشخصات شمش فولاد

# ISP

Technical  
Specification  
of Steel Billet

## 150×150



Internal Standard Grade (I.S.G)		Steel Grade	1SP
Nominal Casting Billet Size (mm)	150×150	Steel Group	Low Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.06	0.15	0.25	-	-	-	-	-	-
	Max.	0.12	0.30	0.50	0.040	0.050	0.30	0.30	0.30	110

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 150 mm
Length	12000 (±100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6% D <sub>0</sub>   Rh. ≤ 13 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	6 mm
Concavity	± 3 mm
End Bending	Max. 5 mm/m

$$* Rh. = \frac{D_{Max} - D_{min}}{D_0} \times 100 \leq 6\% D_0$$

D<sub>0</sub>: Normal Diagonal Cross section of Billet = H/√2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

مشخصات شمش فولاد

# 3SP

Technical  
Specification  
of Steel Billet

## 130×130



Internal Standard Grade (I.S.G)		Steel Grade	3SP
Nominal Casting Billet Size (mm)	130×130	Steel Group	Medium Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.14	0.15	0.40	-	-	-	-	-	-
	Max.	0.22	0.30	0.650	0.040	0.045	0.30	0.30	0.30	100

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 130 mm
Length	12000 (±100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6%D <sub>o</sub>   Rh. ≤ 11 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	4 mm
Concavity	± 2.6 mm
End Bending	Max. 5 mm/m

$$* Rh. = \frac{D_{Max} - D_{min}}{D_o} * 100 \leq 6\% D_o$$

D<sub>o</sub>: Normal Diagonal Cross section of Billet = H/2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

مشخصات شمش فولاد

# 3SP

Technical  
Specification  
of Steel Billet

## 150×150



Internal Standard Grade (I.S.G)		Steel Grade	3SP
Nominal Casting Billet Size (mm)	150×150	Steel Group	Medium Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.14	0.15	0.40	-	-	-	-	-	-
	Max.	0.22	0.30	0.65	0.040	0.050	0.30	0.30	0.30	100

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 150 mm
Length	12000 (±100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6% D <sub>0</sub>   Rh. ≤ 13 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	6 mm
Concavity	± 3 mm
End Bending	Max. 5 mm/m

\* Rh. =  $\frac{D_{Max} - D_{min}}{D_0} \times 100 \leq 6\% D_0$

D<sub>0</sub>: Normal Diagonal Cross section of Billet = H/√2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

مشخصات شمش فولاد

# 4SP

Technical  
Specification  
of Steel Billet

150×150



Internal Standard Grade (I.S.G)		Steel Grade	4SP
Nominal Casting Billet Size (mm)	150×150	Steel Group	Medium Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.20	0.15	0.60	-	-	-	-	-	-
	Max.	0.26	0.30	0.70	0.040	0.045	0.30	0.30	0.30	100

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 150 mm
Length	12000 (±100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6%D <sub>0</sub>   Rh. ≤ 13 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	6 mm
Concavity	± 3 mm
End Bending	Max. 5 mm/m

\* Rh. =  $\frac{D_{Max} - D_{min}}{D_0} \times 100 \leq 6\% D_0$

D<sub>0</sub>: Normal Diagonal Cross section of Billet = H/√2

H: Normal Side Length in Cross Section

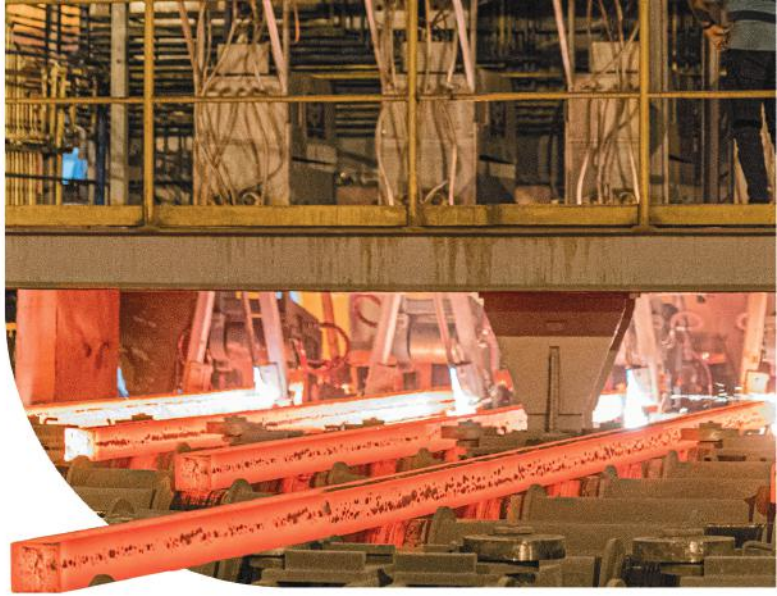
\*\* C: Middle Height of Camber Wave

مشخصات شمش فولاد

# 5SP

Technical  
Specification  
of Steel Billet

130×130



Internal Standard Grade (I.S.G)		Steel Grade	5SP
Nominal Casting Billet Size (mm)	130×130	Steel Group	Medium Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.28	0.15	0.50	-	-	-	-	-	-
	Max.	0.37	0.30	0.80	0.040	0.045	0.30	0.30	0.30	110

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 130 mm
Length	12000 (± 100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6%D <sub>0</sub>   Rh. ≤ 11 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	4 mm
Concavity	± 2.6 mm
End Bending	Max. 5 mm/m

\* Rh. =  $\frac{D_{Max} - D_{min}}{D_0} \times 100 \leq 6\% D_0$

D<sub>0</sub>: Normal Diagonal Cross section of Billet = H/2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

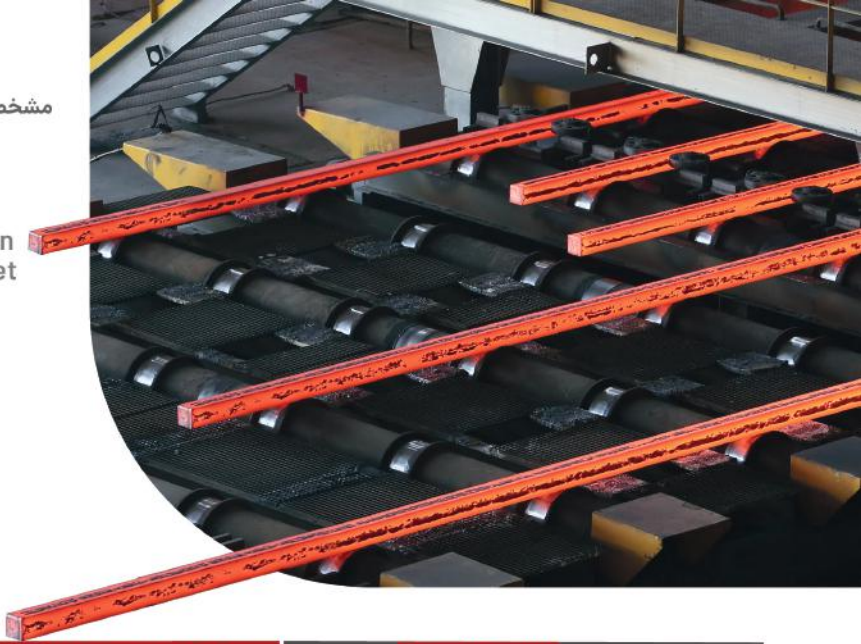


مشخصات شمش فولاد

# 5SP

Technical  
Specification  
of Steel Billet

## 150×150



Internal Standard Grade (I.S.G)		Steel Grade	5SP
Nominal Casting Billet Size (mm)	150×150	Steel Group	Medium Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.28	0.15	0.50	-	-	-	-	-	-
	Max.	0.37	0.30	0.80	0.040	0.045	0.30	0.30	0.30	110

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 150 mm
Length	12000 (±100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6%D <sub>o</sub>   Rh. ≤ 13 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	6 mm
Concavity	± 3 mm
End Bending	Max. 5 mm/m

$$* Rh. = \frac{D_{Max} - D_{min}}{D_o} * 100 \leq 6\% D_o$$

D<sub>o</sub>: Normal Diagonal Cross section of Billet = H/√2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

مشخصات شمش فولاد

# B500B

Technical  
Specification  
of Steel Billet

130×130



Internal Standard Grade (I.S.G)		Steel Grade	B500B
Nominal Casting Billet Size (mm)	130×130	Steel Group	Medium Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.18	0.15	0.40	-	-	-	-	-	-
	Max.	0.22	0.30	0.65	0.045	0.050	0.30	0.30	0.40	150

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 130 mm
Length	12000 (±100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6%D <sub>0</sub>   Rh. ≤ 11 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	4 mm
Concavity	± 2.6 mm
End Bending	Max. 5 mm/m

\* Rh. =  $\frac{D_{Max} - D_{min}}{D_0} \times 100 \leq 6\% D_0$

D<sub>0</sub>: Normal Diagonal Cross section of Billet = H/√2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

مشخصات شمش فولاد

# B500B

Technical  
Specification  
of Steel Billet

150×150



Internal Standard Grade (I.S.G)		Steel Grade	B500B
Nominal Casting Billet Size (mm)	150×150	Steel Group	Medium Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.18	0.15	0.40	-	-	-	-	-	-
	Max.	0.22	0.30	0.65	0.045	0.050	0.30	0.30	0.40	150

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 150 mm
Length	12000 (±100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6%D <sub>0</sub>   Rh. ≤ 13 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	6 mm
Concavity	± 3 mm
End Bending	Max. 5 mm/m

\* Rh. =  $\frac{D_{Max} - D_{min}}{D_0} \times 100 \leq 6\% D_0$

D<sub>0</sub>: Normal Diagonal Cross section of Billet = H/√2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

مشخصات شمش فولاد

# SAE1008

Technical  
Specification  
of Steel Billet

130×130



Internal Standard Grade (I.S.G)		Steel Grade	SAE1008
Nominal Casting Billet Size (mm)	130×130	Steel Group	Low Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.06	0.05	0.40	-	-	-	-	-	-
	Max.	0.12	0.15	0.60	0.040	0.050	0.30	0.30	0.30	125

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 130 mm
Length	12000 (±100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6%D <sub>0</sub>   Rh. ≤ 11 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	4 mm
Concavity	± 2.6 mm
End Bending	Max. 5 mm/m

$$* Rh. = \frac{D_{Max} - D_{min}}{D_0} * 100 \leq 6\% D_0$$

D<sub>0</sub>: Normal Diagonal Cross section of Billet = H/√2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

مشخصات شمش فولاد

# SAE1008

Technical  
Specification  
of Steel Billet

150×150



Internal Standard Grade (I.S.G)		Steel Grade	SAE1008
Nominal Casting Billet Size (mm)	150×150	Steel Group	Low Carbon

Chemical Composition	Element	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Cu	N (ppm)
	Min.	0.06	0.05	0.40	-	-	-	-	-	-
	Max.	0.12	0.15	0.60	0.040	0.050	0.30	0.30	0.30	125

## Dimensional & Physical Specification

Items	Acceptance Criteria
Cross Section Dimension	Max 3% 150 mm
Length	12000 (±100 mm)
Rhomboidity* (Difference in Diagonals)	Max 6%D <sub>0</sub>   Rh. ≤ 13 mm
Straightness** (Camber)	Max 0.5% per total length   C ≤ 60 mm
Angular Twist	Max 0.5° Per 1 meter of length   Max 6° per total length
Radius of Corner	6 mm
Concavity	± 3 mm
End Bending	Max. 5 mm/m

\* Rh. =  $\frac{D_{Max} - D_{min}}{D_0} \times 100 \leq 6\% D_0$

D<sub>0</sub>: Normal Diagonal Cross section of Billet = H/√2

H: Normal Side Length in Cross Section

\*\* C: Middle Height of Camber Wave

مشخصات آهن اسفنجی

Technical  
Specification  
of Sponge Iron



## Chemical Composition & Physical Specification

Parameter	Permit Limited
Total Iron (%)	Min 87
Carbon (%)	1.5 Min
Metallization (%)	Min 90
SiO <sub>2</sub> (%)	Max 4
Al <sub>2</sub> O <sub>3</sub>	Max 1
Sulfur (%)	Max 0.01
Metallic Iron	min 79%

(سهام عام)

# شرکت فولاد کاوه جنوب کیش

# SKS

South Kaveh Steel Co.

## بندر عباس

کیلومتر ۱۳ بزرگراه شهید رجایی، منطقه ویژه  
اقتصادی خلیج فارس

تلفن: ۰۲۸۰ ۳۳۵۳ ۰۷۶ / ۰۷۶ ۳۱۹۱ ۰۰۰۰

دورنگار: ۰۳۳۸ ۳۳۵۳ ۰۷۶

کدپستی: ۷۵۸۷۶ ۷۹۱۷۱

## تهران

میدان آرژانتین، خیابان بخارست(خیابان احمد  
قصر)، کوچه ۸، پلاک ۳۰

تلفن: ۰۲۶۸۰ ۲۲۸۵۰ ۰۲۱ / ۰۲۱ ۸۶۰۴ ۷۷۳۵

دورنگار: ۰۳۲۷۴ ۸۶۰۴ ۰۲۱

کدپستی: ۱۴۱۱۴ ۱۵۱۴۷

[WWW.SKSCO.IR](http://WWW.SKSCO.IR)



رقابت‌پذیری در تراز جهانی  
بر پایه اندیشه دانش‌بنیان

# پیش‌رو در فولاد سبز

Competing on a Global Stage with the  
Wisdom of Knowledge-Based Innovation,  
Pioneering in the Realm  
of Green Steel

