

# PRODUCT

Product specification  
& Availability

Standard

Mild Steel

High Strength steel

Hard steel

Material for Porcelain  
enameling

High Carbon steel

Material for Tin plate

Product application



# PRODUCT

Product specification  
& Availability

Standard

Material for Porcelain  
enameling

High Strength steel

Hard steel

**Mild Steel**

High Carbon steel

Material for Tin plate



## Mild steel

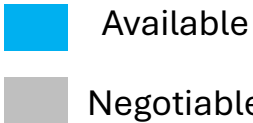
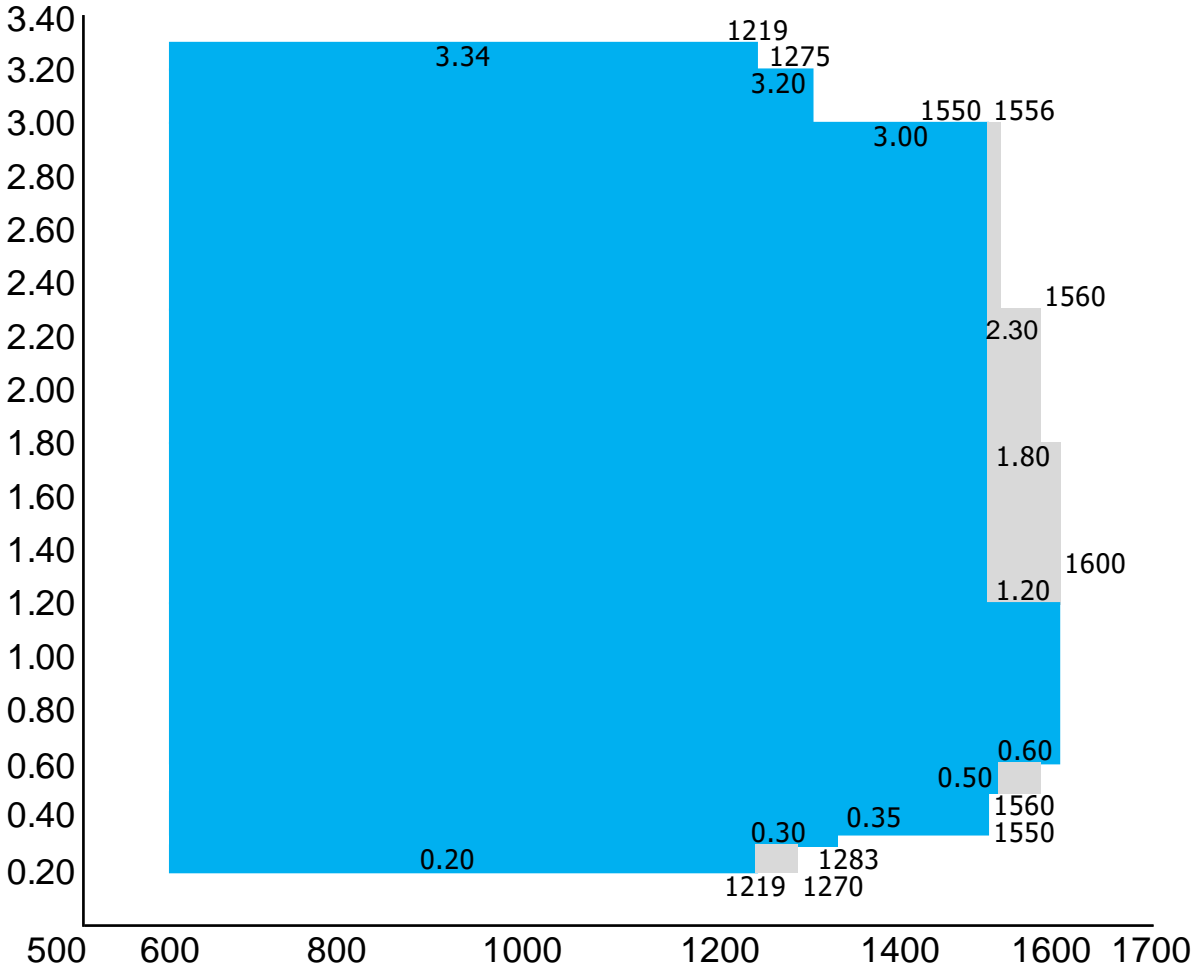
Material is used for manufacturing Automotive parts, household electrical appliances, furniture, drums, oil filters, base metal for galvanized sheets and other coated products from commercial to deep drawing qualities.

### Product Specifications

- Commercial quality : SPCC
- Drawing quality : SPCD
- Deep Drawing quality : SPCE, SPCEN
- Extra Deep Drawing quality : SPCF, SPCG

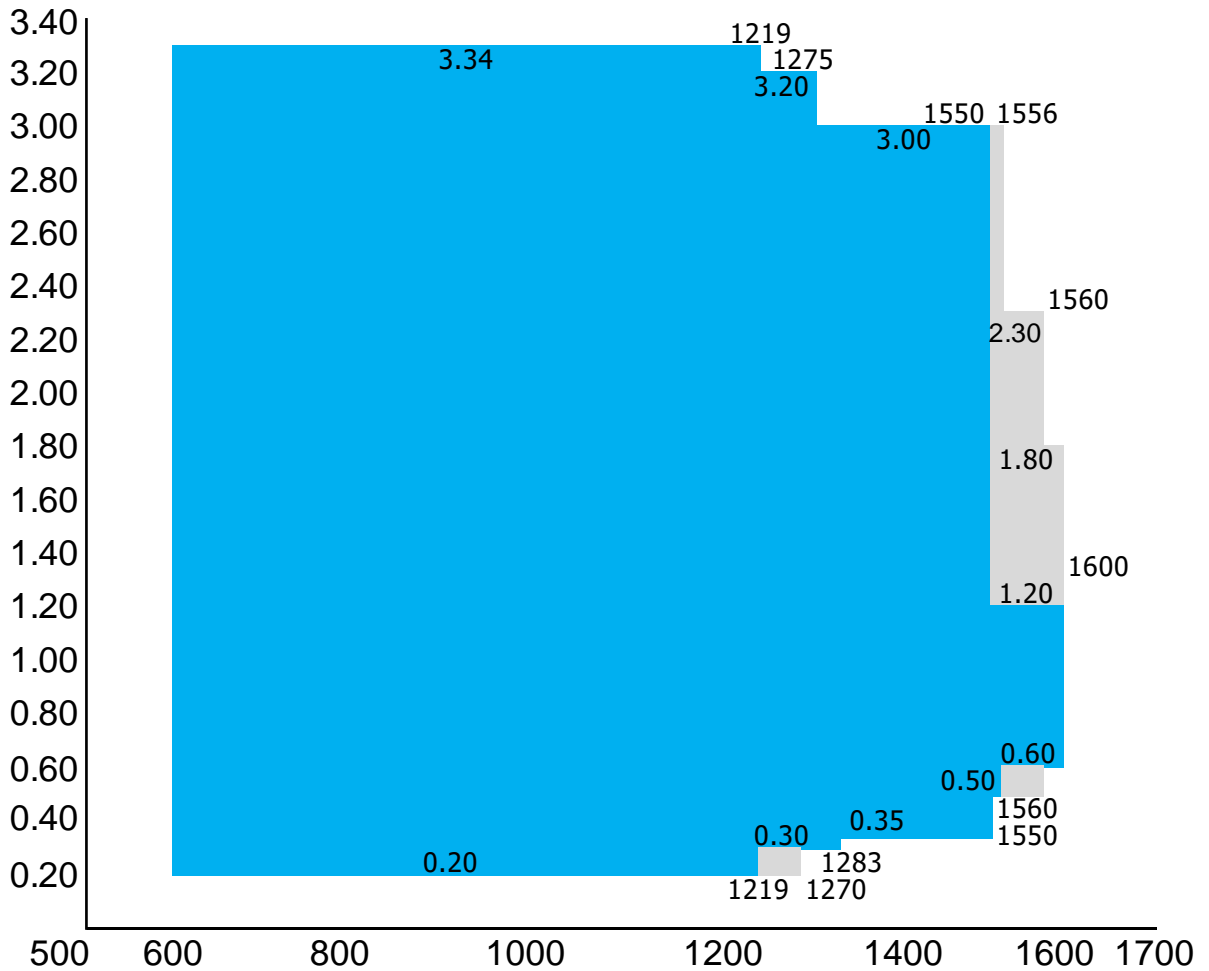
# Product Availability

## Commercial quality SPCC



# Product Availability

## Drawing quality SPCD

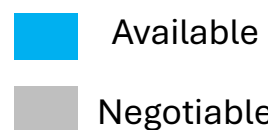
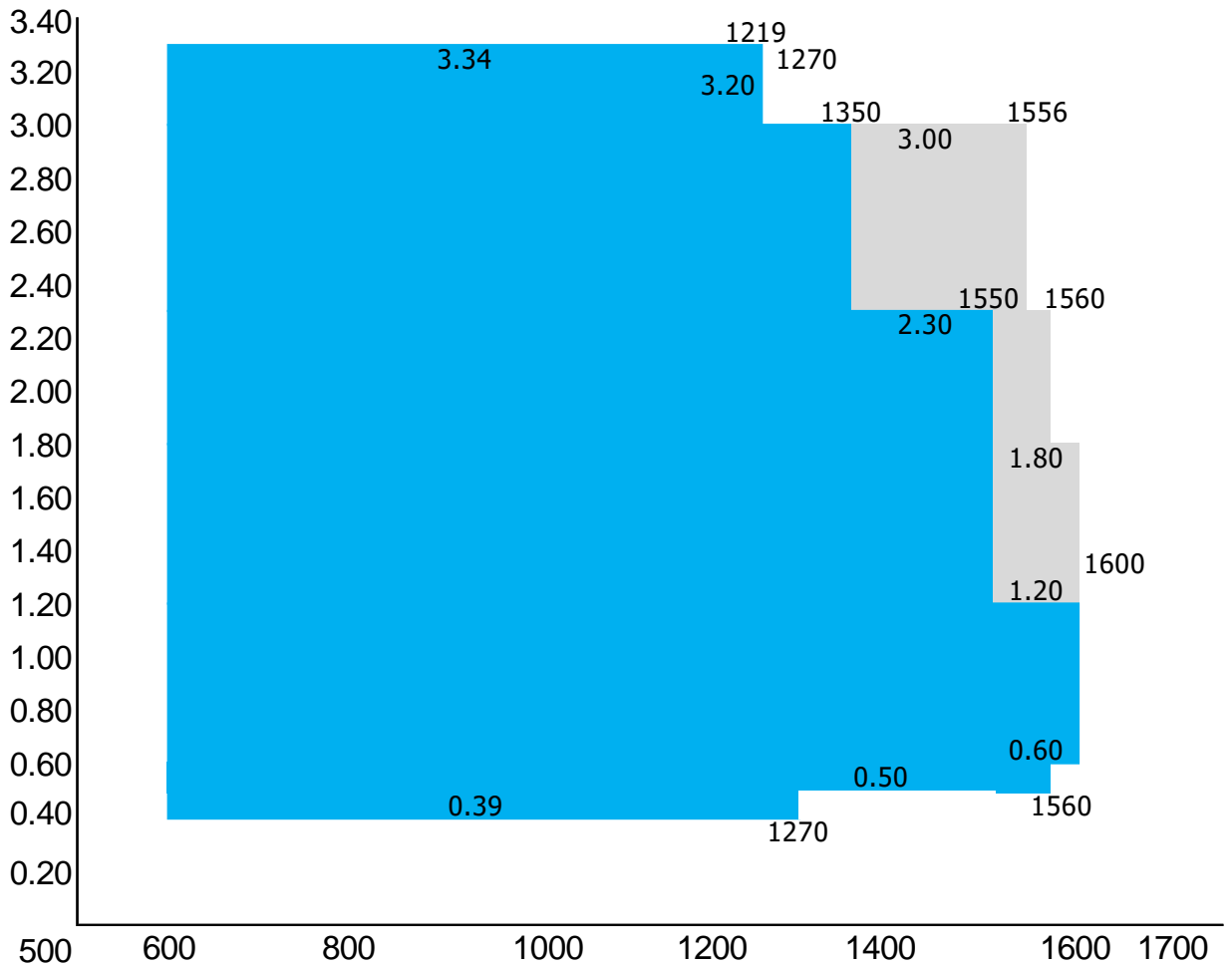


Available  
Negotiable

# Product Availability

## Deep Drawing quality

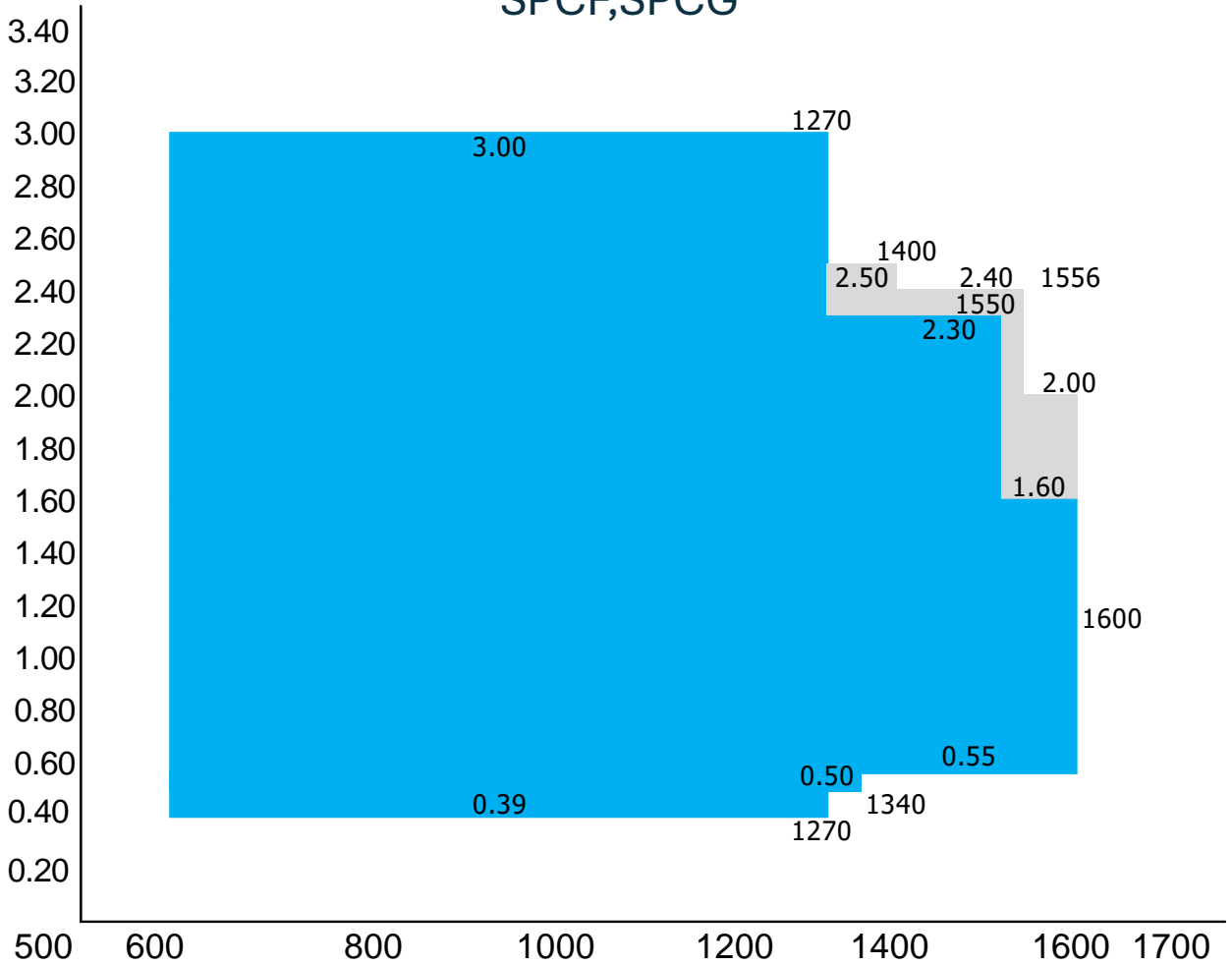
SPCE,SPCEN,270D



# Product Availability

## Extra Deep Drawing quality

SPCF,SPCG



Available

Negotiable

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Mild Steel

High Carbon steel

Hard steel

Material for Porcelain  
enameling

**High Strength  
steel**

Material for Tin plate



## High Strength Steel

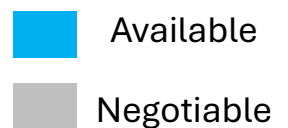
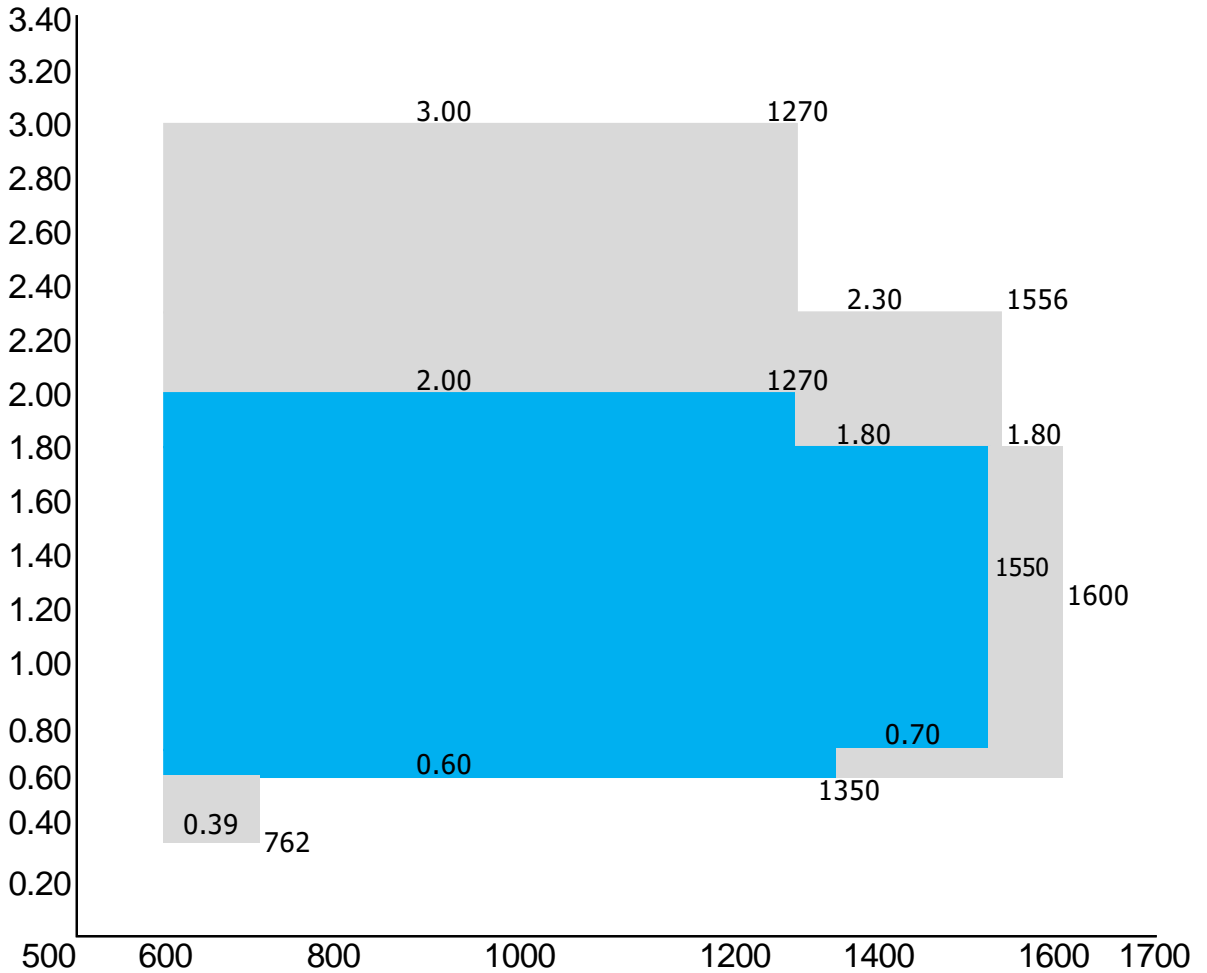
Mainly used for automotive due to high strength and improved formability.

### Product Specifications

- SPFC340
- SPFC370
- SPFC390
- SPFC440
- SPFC590

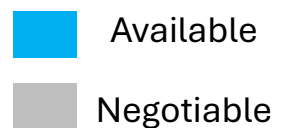
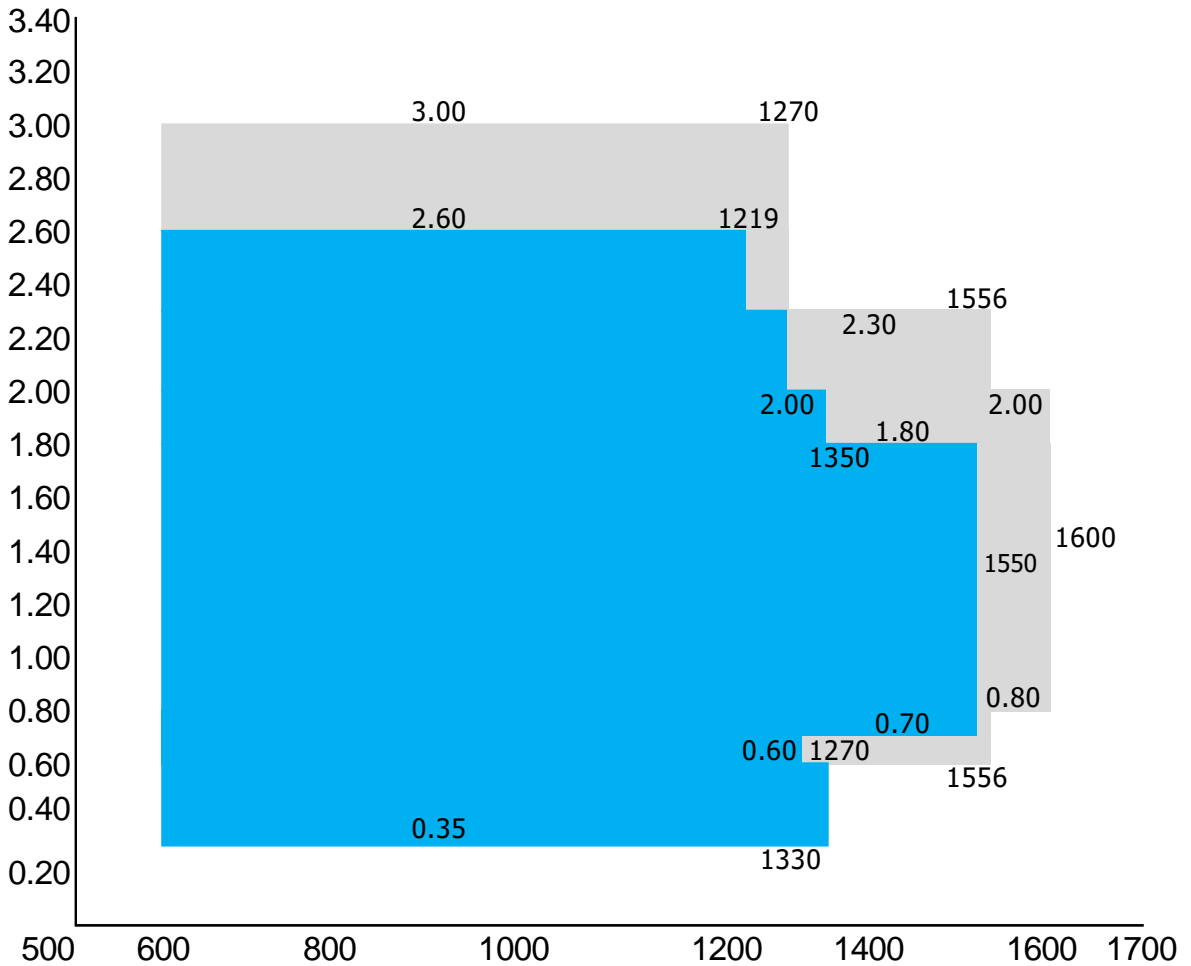
# Product Availability

## SPFC340



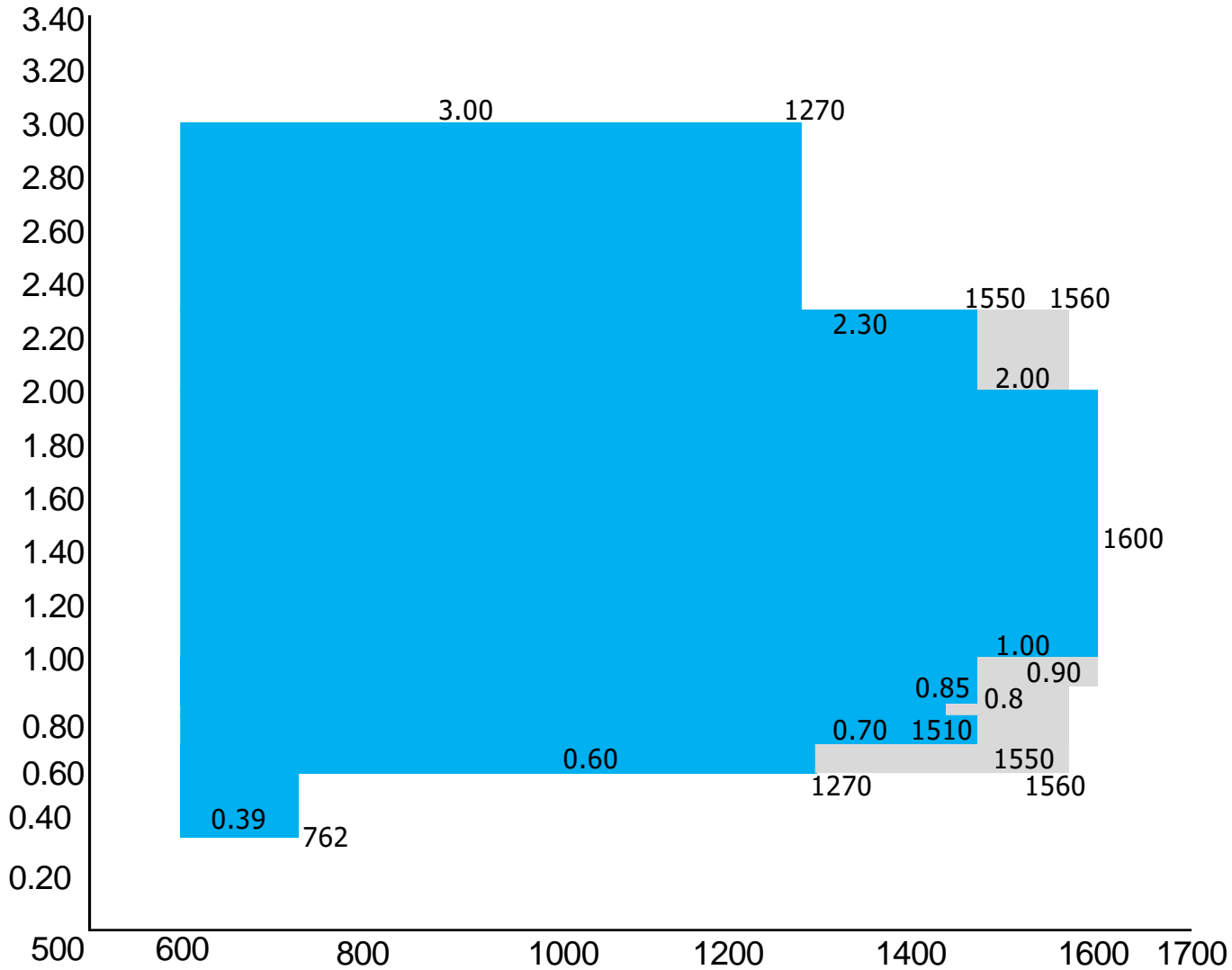
# Product Availability

## SPFC370, SPFC390



# Product Availability

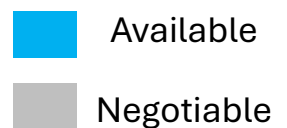
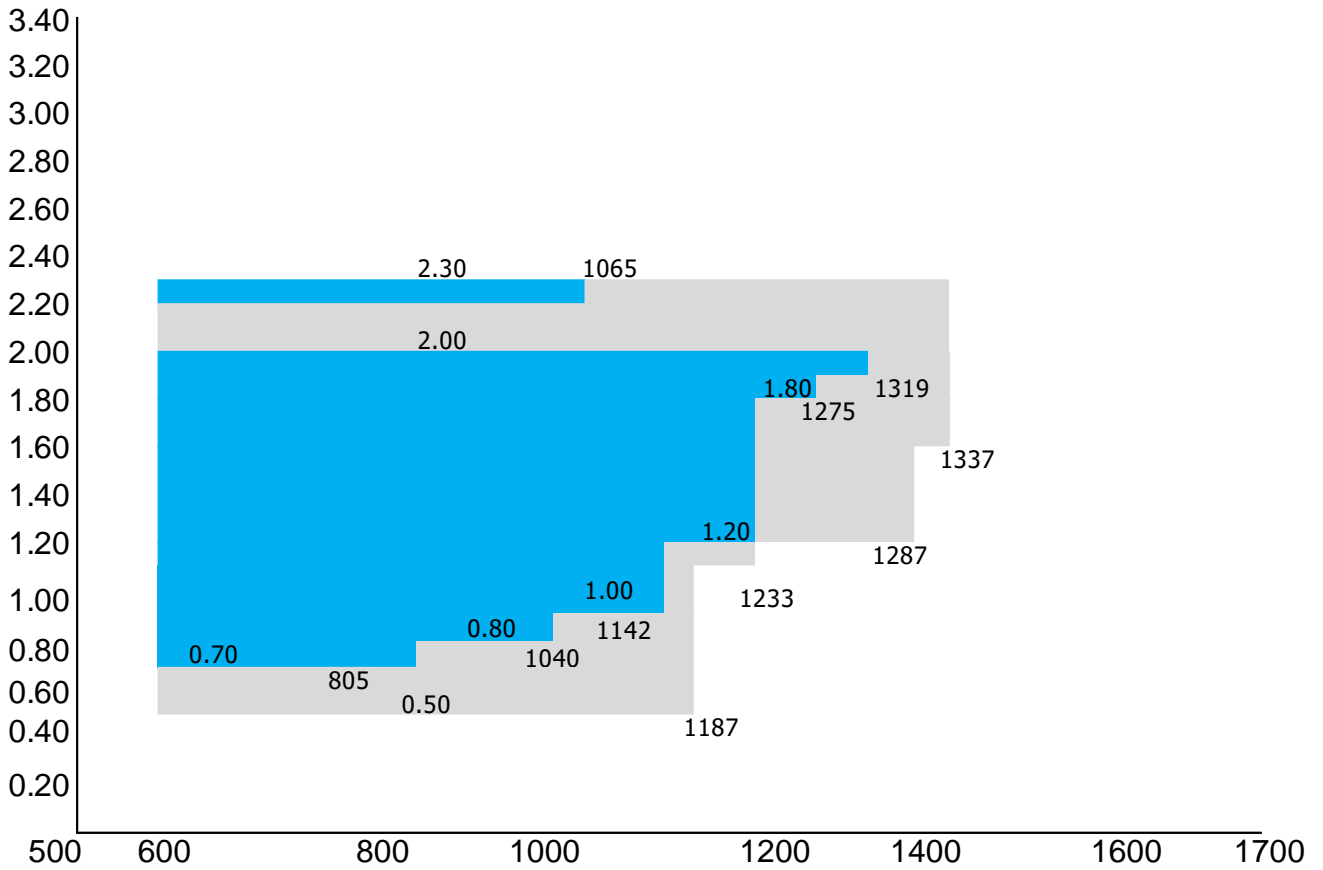
## SPFC440



Available  
Negotiable

# Product Availability

## SPFC590



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Standard

Mild Steel

High Strength steel

Material for Tin plate

Material for Porcelain  
enameling

High Carbon steel

**Hard steel**



## Hard steel

Base metal for galvanized sheets for SPCC-1 and Pipes, Tubes and Chains for SPCC-4/SPCC-8.

### Product Specifications

- SPCC-4
- SPCC-8



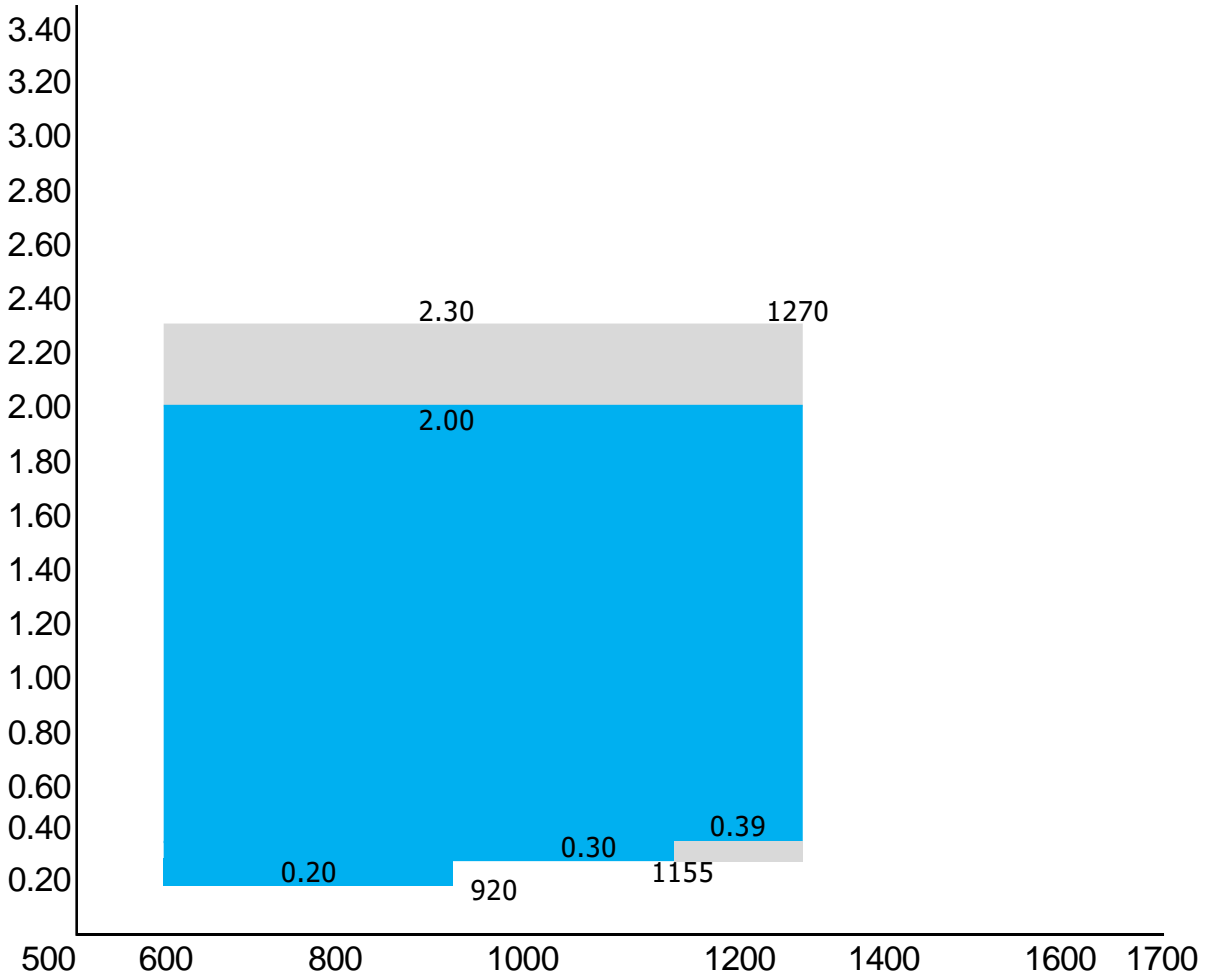
## Full hard

- SPCC-1

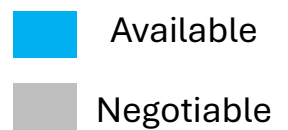
# Product Availability

## Hard material

SPCC-4

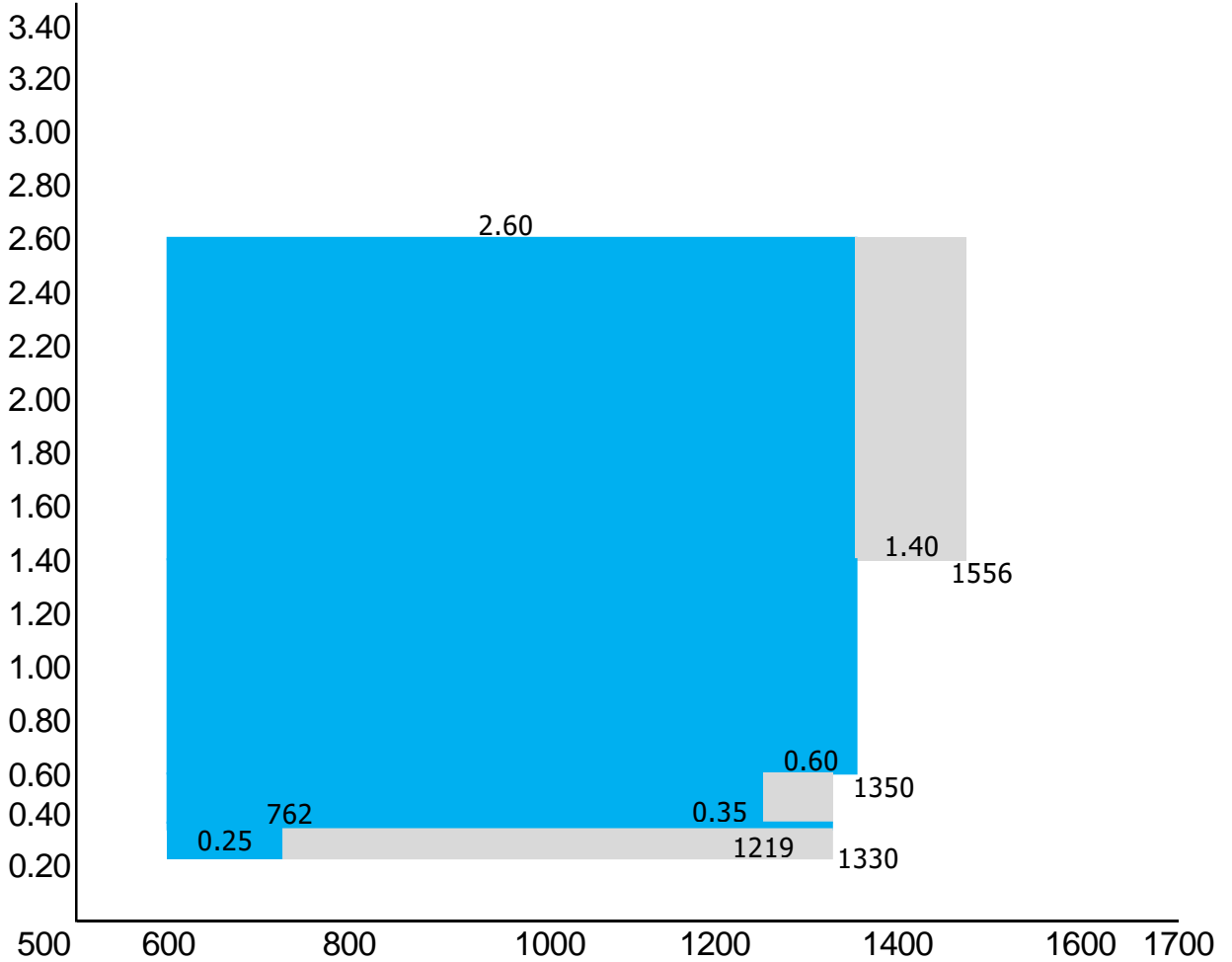


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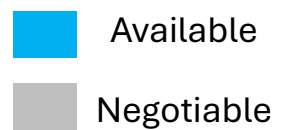


# Product Availability

## Hard material SPCC-8



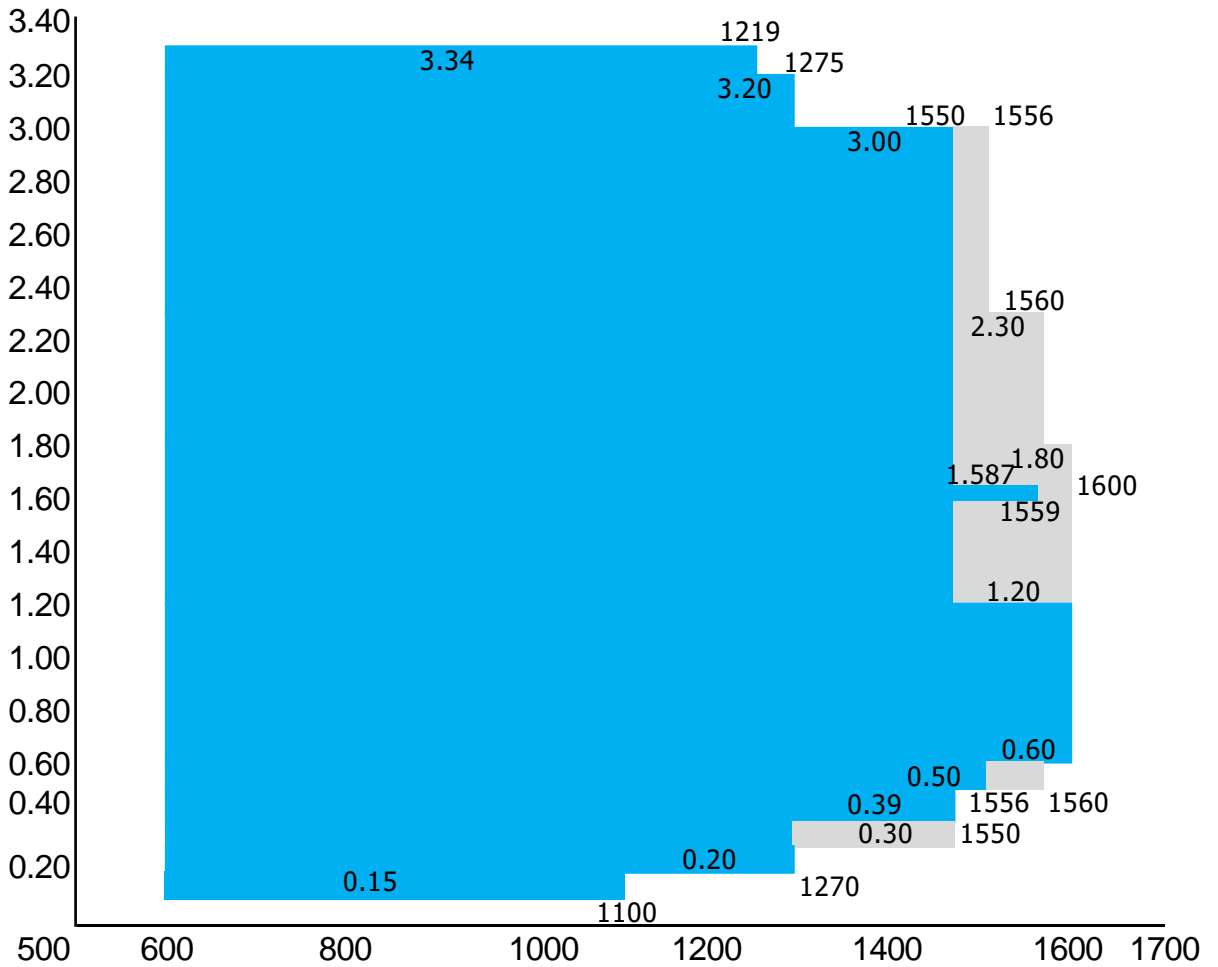
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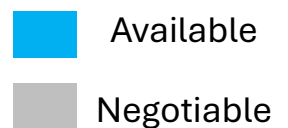
# Product Availability

## Full Hard material

Base metal for galvanized sheet (GI use) SPCC-1



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Standard

Mild steel

High Strength steel

Hard steel

**Material for  
Porcelain enameling**

High Carbon steel

Material for Tin plate



## Porcelain enameling

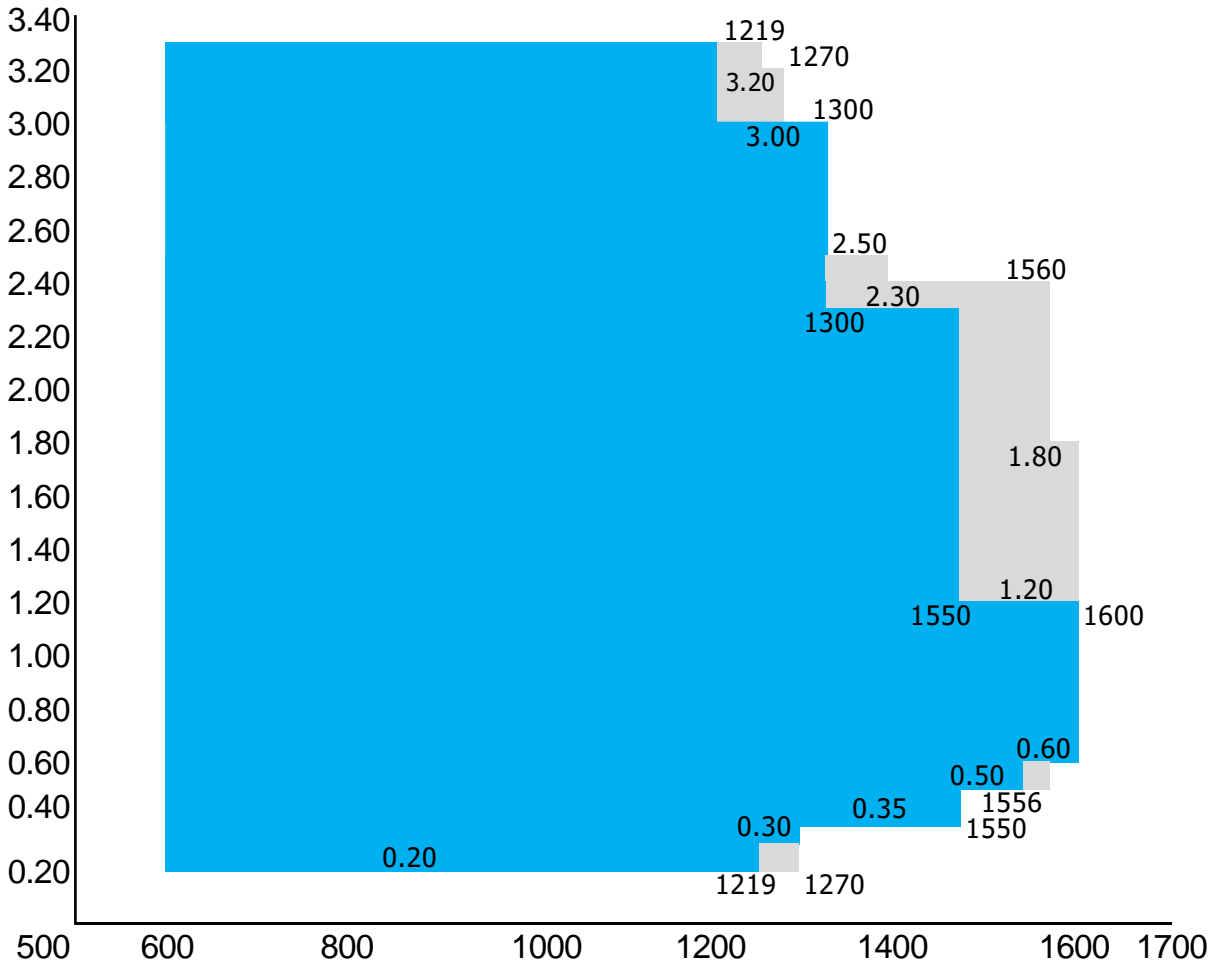
Material is used for porcelain enameling use. General use or deep drawing, 1-coat or 2-coat usages are available.

### Product Specifications

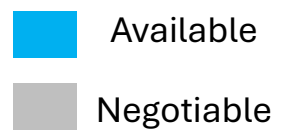
- Commercial quality : SPPC
- Drawing quality : SPPD
- Drawing quality : SPPE

# Product Availability

## Commercial quality SPPC

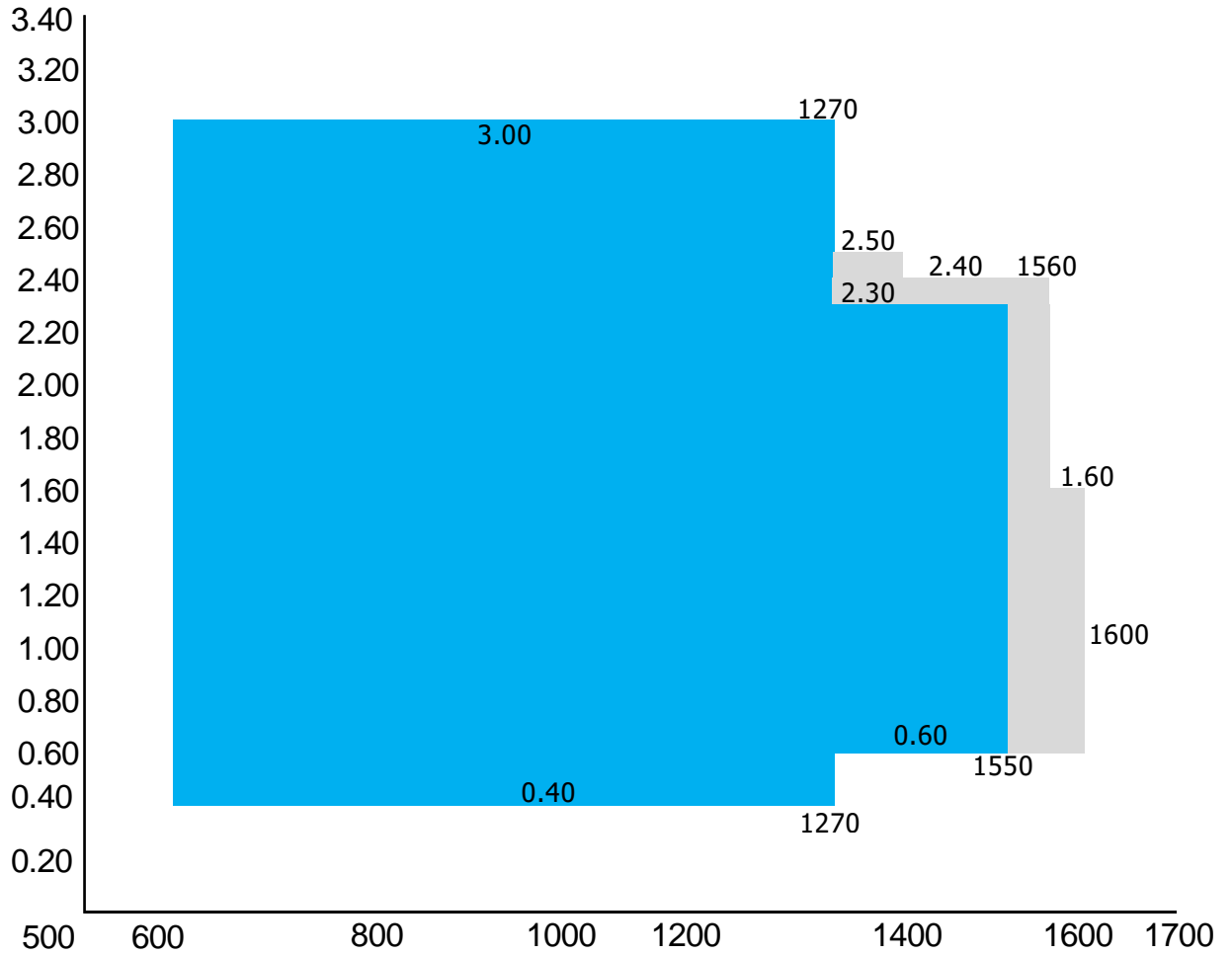


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# Product Availability

## Drawing quality SPPD, SPPE



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Available  
Negotiable

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Material for Porcelain  
enameling

**High Carbon  
steel**

Material for Tin plate



## High Carbon

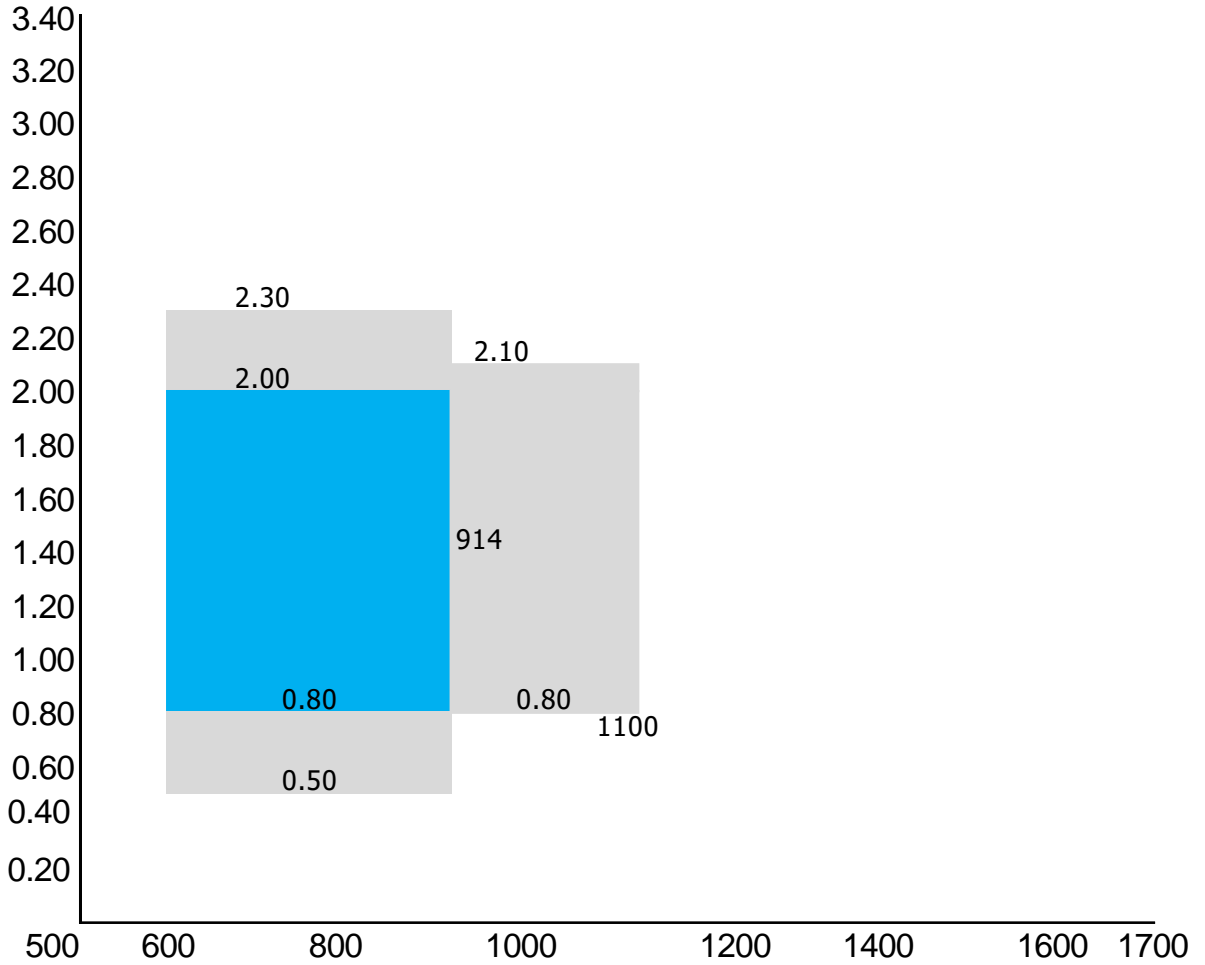
Carbon steel for machine structural use, chain part, clutch parts, washer, toe-cap of safety shoes.

### Product Specifications

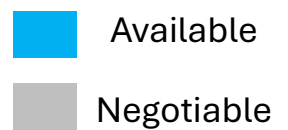
- S35C
- S50C
- S55C
- S60C

# Product Availability

## S35C

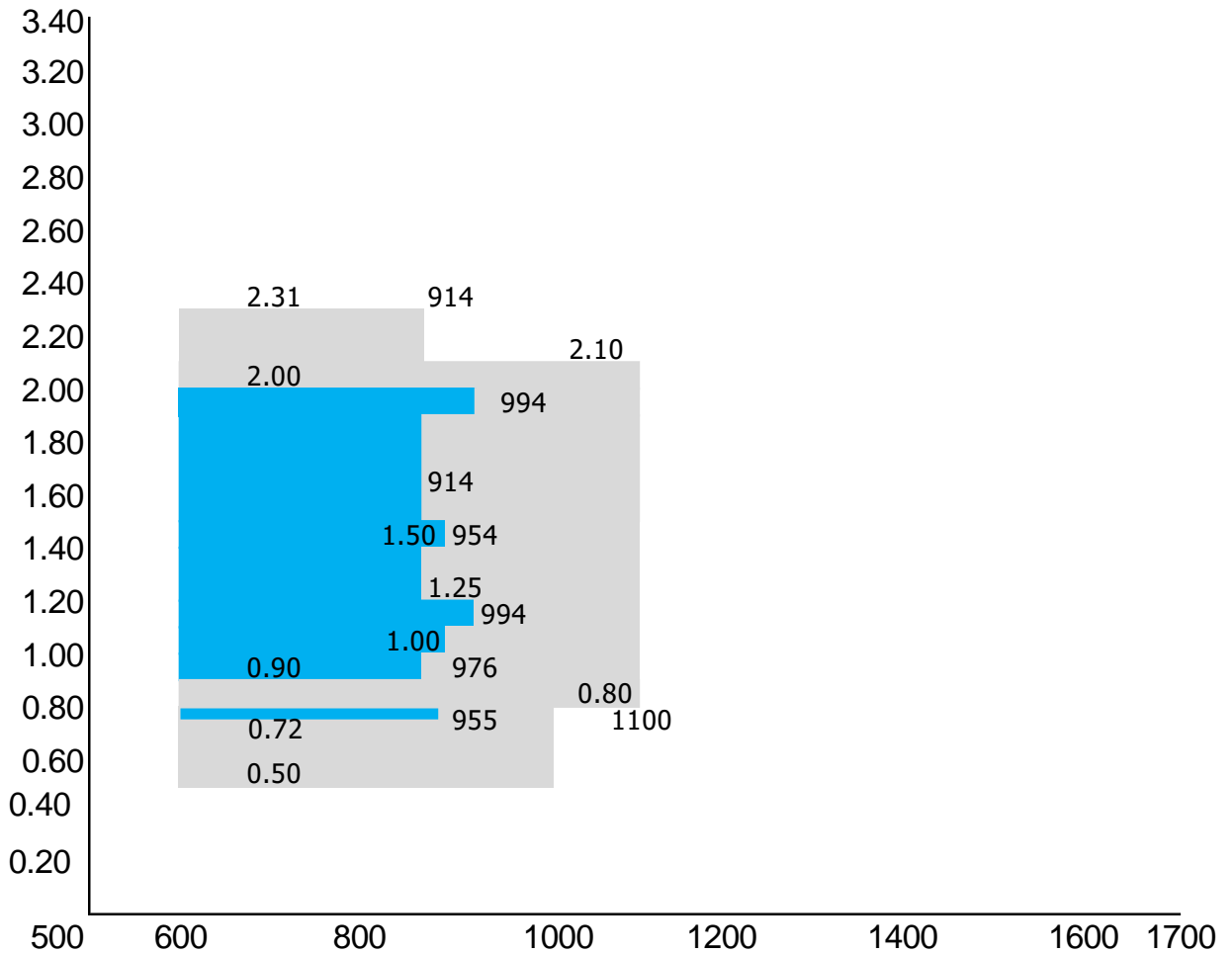


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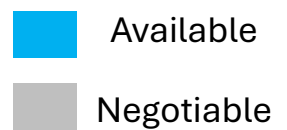


# Product Availability

## S50C

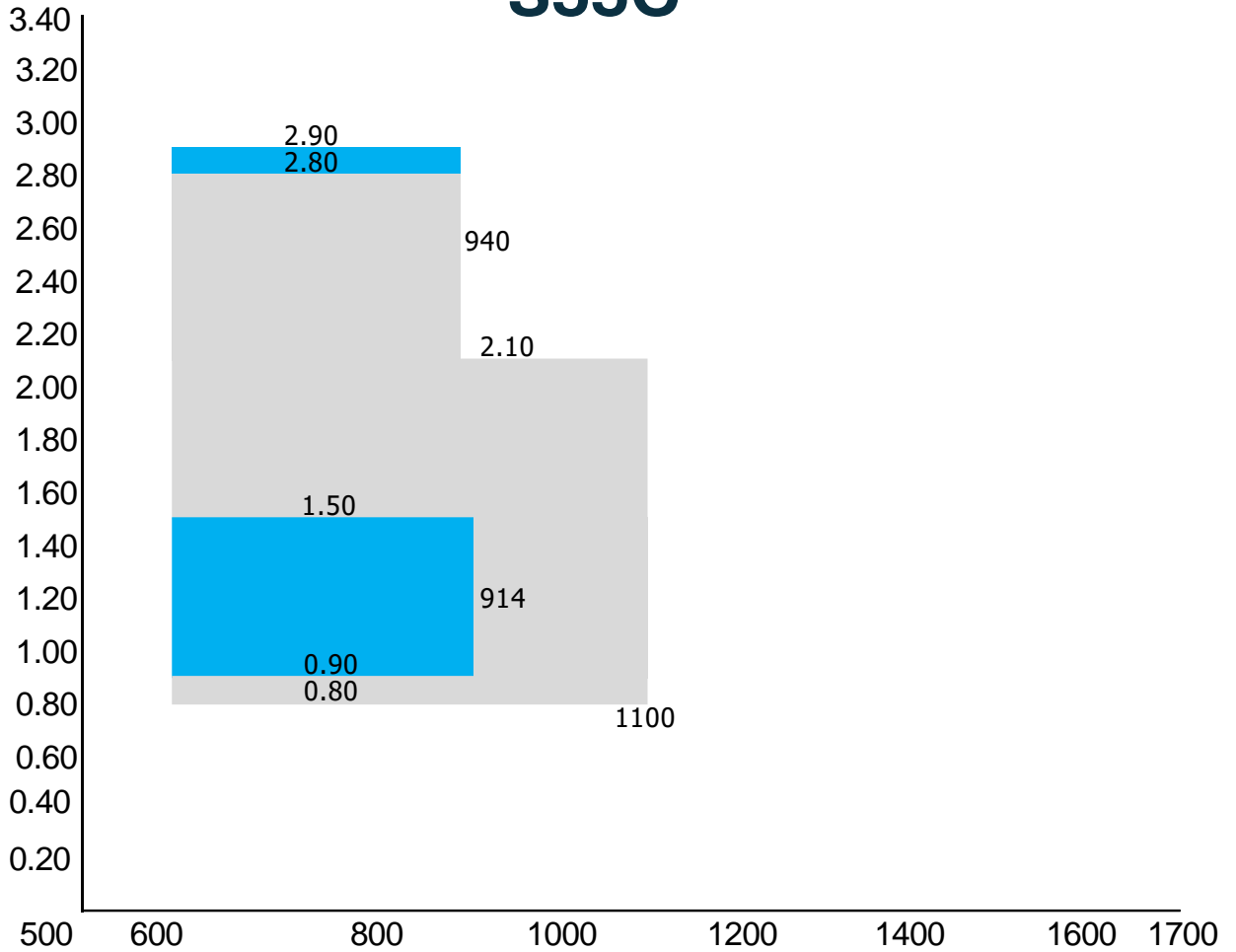


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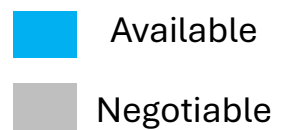


# Product Availability

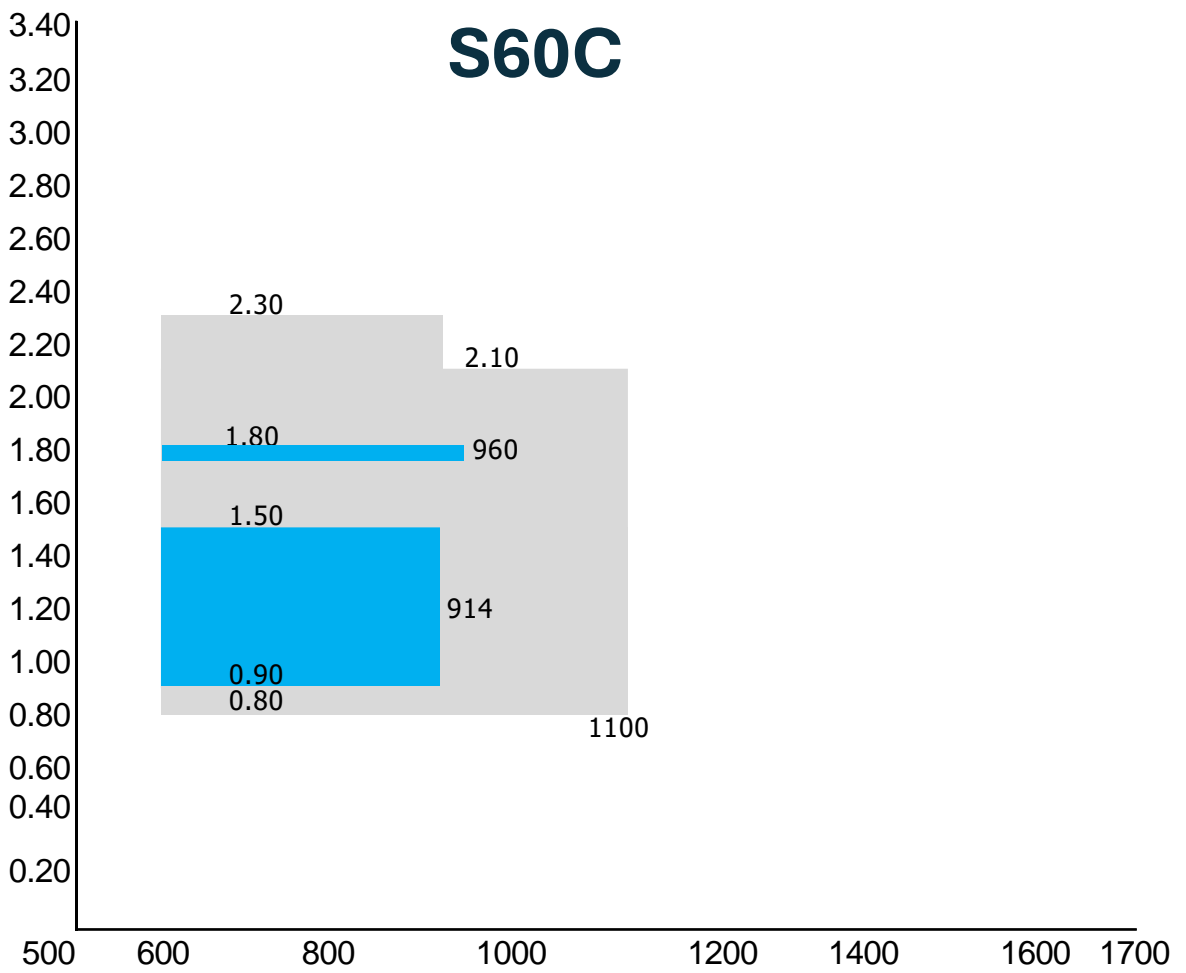
## S55C



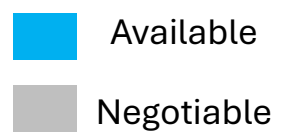
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Hard steel

Material for Porcelain  
enameling

High Carbon steel

**Material for  
Tin plate**

## Material for Tin plate



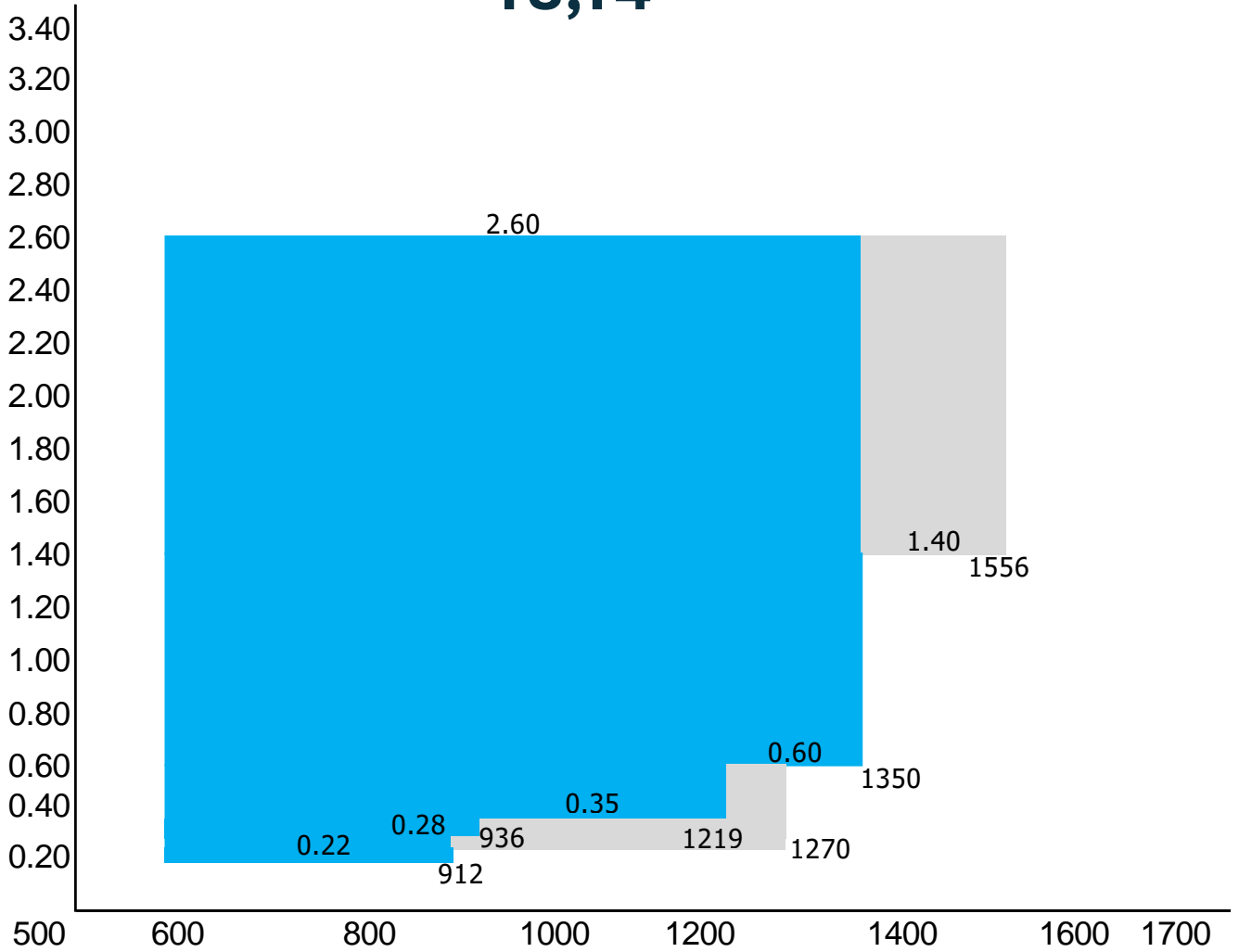
Tin mill black plate is in the manufacture of can, body or closures for the food container.

### Product Specifications

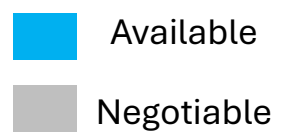
- T-3
- T-4

# Product Availability

## T3,T4



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Standard

Product specification

Corresponding Specification

**Mild Steel :**  
**For general use**

JIS G 3141 : SPCC, SPCCD, SPCE, SPCF, SPCG  
TIS 2012 : CR1, CR2, CR3, CR4, CR5  
ISO 3574 : CR1, CR2, CR3, CR4, CR5  
SNI : Bj DC, Bj DD1, Bj DD2, Bj DD3  
ASTM A1008 : CS, DS, DDS, EDDS

**Mild Steel :**  
**For Automotive use**

JFS A 2001 : JSC270C, JSC270D, JSC270E,  
JSC270F, JSC270G  
TIS 2012 : CR1, CR2, CR3, CR4, CR5  
TIS 2140 : CRA260M

**High Strength steel**

JIS G 3135 : SPFC340, SPFC370, SPFC390,  
SPFC440, SPFC590, SPFC590Y  
TIS 2140 : CRA340, CRA370, CRA390,  
CRA440, CRA590, CRA590Y  
JFS A 2001 : JSC340W, JSC370W, JSC390W,  
JSC440W, JSC590R, JSC340P,  
JSC370P, JSC390P, JSC440P,  
JSC590Y

**Hard steel**

JIS G 3141 : SPCC-1, SPCC-4, SPCC-8  
TIS 2012 : CR1-1, CR1-4, CR1-8  
SNI : Bj DC-1, Bj DC-4, Bj DC-8

**Material for Porcelain  
enameling**

JIS G 3133 : SPPC, SPPD, SPPE

**High Carbon steel**

JIS G 3311: S35C, S50C, S55C, S60C

**Material for Tin plate**

JIS G 3303: T-3, T-4