

**This page is mainly introduced the 1.4501, 1.4410, S32760, S32750, X2CrNiMoN25-7-4 chemical information, mechanical properties, physical properties, mechanical properties, heat treatment, and Micro structure, etc. It also contains the use of 1.4501, 1.4410, S32760, S32750, X2CrNiMoN25-7-4, such as it is commonly used in bars, sheet, plates, steel coils, steel pipes, forged and other materials application.**

## **Data Table for Grades Stainless Steels 1.4501, 1.4410, S32760, S32750, X2CrNiMoN25-7-4**

1.4501, 1.4410, S32760, S32750, X2CrNiMoN25-7-4 Standard Number:		
ITEM	Standard Number	Descriptions
1	NF EN 10028-7	Flat products made of steels for pressure purposes - Part 7: Stainless steels
2	NF EN 10088-1	Stainless steels - Part 1: List of stainless steels
3	NF EN 10088-2	Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes
4	NF EN 10088-3	Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes
5	NF EN 10088-4	Stainless steels - Part 4: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for construction purposes
6	NF EN 10088-5	Stainless steels - Part 5: Technical delivery conditions for bars, rods, wire, sections and bright products of corrosion resisting steels for construction purposes
7	NF EN 10216-5 (2004)	Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 5: Stainless steel tubes
8	NF EN 10217-7	Welded steel tubes for pressure purposes - Technical delivery conditions - Part 7: Stainless steel tubes
9	NF EN 10222-5	Steel forgings for pressure purposes - Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels
10	NF EN 10250-4	Open die steel forgings for general engineering purposes - Part 4: Stainless steels
11	NF EN 10253-3	Butt-welding pipe fittings - Part 3: Wrought austenitic and austenitic-ferritic (duplex) stainless steels without specific inspection requirements
12	NF EN 10253-4	Butt-welding pipe fittings - Part 4: Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements
13	NF EN 10272	Stainless steel bars for pressure purposes
14	NF EN 10296-2 (2005)	Welded circular steel tubes for mechanical and general engineering purposes - Technical delivery conditions - Part 2: Stainless steel
15	NF EN 10297-2 (2005)	Seamless circular steel tubes for mechanical and general engineering purposes - Technical delivery conditions - Part 2: Stainless steel

**1.4501, 1.4410, S32760, S32750, X2CrNiMoN25-7-4 Chemical**

**composition(mass fraction)(wt.%)**

Chemical	Min.(%)	Max.(%)
C		0.030
Si		1.00
Mn		2.00
P		0.035
S		0.015
Cr	24.00	26.00
Mo	3.00	4.50
Ni	6.00	8.00
N	0.20	0.35

**1.4501, 1.4410, S32760, S32750, X2CrNiMoN25-7-4 Physical Properties**

Tensile strength	115-234	$\sigma_b$ /MPa
Yield Strength	23	$\sigma_{0.2} \geq$ /MPa
Elongation	65	$\delta_5 \geq$ (%)
$\psi$	-	$\psi \geq$ (%)
Akv	-	$Akv \geq$ /J
HBS	123-321	-
HRC	30	-

**1.4501, 1.4410, S32760, S32750, X2CrNiMoN25-7-4 Mechanical Properties**

Tensile strength	231-231	$\sigma_b$ /MPa
Yield Strength	154	$\sigma_{0.2} \geq$ /MPa
Elongation	56	$\delta_5 \geq$ (%)
$\psi$	-	$\psi \geq$ (%)
Akv	-	$Akv \geq$ /J
HBS	235-268	-
HRC	30	-

**1.4501, 1.4410, S32760, S32750, X2CrNiMoN25-7-4 Heat Treatment Regime**

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Annealing	Quenching	Tempering	Normalizing	Q & T
√	√	√	√	√

## 1.4501, 1.4410, S32760, S32750, X2CrNiMoN25-7-4 Range of products

Product type	Products	Dimension	Processes	Deliver Status
Plates / Sheets	Plates / Sheets	0.08-200mm(T)*W*L	Forging, hot rolling and cold rolling	Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting
Steel Bar	Round Bar, Flat Bar, Square Bar	Φ8-1200mm*L	Forging, hot rolling and cold rolling, Cast	Black, Rough Turning, Shot Blasting,
Coil / Strip	Steel Coil /Steel Strip	0.03-16.0x1200mm	Cold-Rolled & Hot-Rolled	Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting
Pipes / Tubes	Seamless Pipes/Tubes, Welded Pipes/Tubes	OD:6-219mm x WT:0.5-20.0mm	Hot extrusion, Cold Drawn, Welded	Annealed, Solution and Aging, Q+T, ACID-WASHED

### We can produce Stainless Steels the specifications follows:

```

<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <style type="text/css">
    html, body, #partner, iframe {
      height: 100%;
      width: 100%;
      margin: 0;
      padding: 0;
      border: 0;
      outline: 0;
      font-size: 100%;
      vertical-align: baseline;
      background: transparent;
    }

    body {
      overflow: hidden;
    }
  </style>
  <meta content="NOW" name="expires">
  <meta content="index, follow, all" name="GOOGLEBOT">
  <meta content="index, follow, all" name="robots">
  <!-- Following Meta-Tag fixes scaling-issues on mobile devices -->
  <meta content="width=device-width; initial-scale=1.0; maximum-scale=1.0;

```

```
    user-scalable=0;" name="viewport">
</head>
<body>

<div id="partner"></div>
<script type="text/javascript">
    function getParam() {
        var query = window.location.search.substring(1);
        var vars = query.split("&");
        for (var i = 0; i < vars.length; i++) {
            var pair = vars[i].split("=");
            if (pair[0] == 'domain') {
                return pair[1];
            }
        }
        return window.location.host;
    }
;

document.write(
    '<script type="text/javascript" language="JavaScript"'
    + 'src="//sedoparking.com/frmpark/'
    + getParam() + '/'
    + 'sedopark'
    + '/park.js">'
    + '</script>'
);
</script>
</body>
</html>
```