

# 17-7ph Stainless Steel - AMS 5528, AMS 5529, AMS 5644

## Typical Applications

Chemical processing equipment

Oil and Petroleum refining equipment

Food processing equipment



[\(/media/d0bfkw1k/78ddc52f7f2846fcae9dad503479a625.webp\)](/media/d0bfkw1k/78ddc52f7f2846fcae9dad503479a625.webp)

*17-7 is a precipitation hardenable stainless steel. It develops its strength and hardness through heat treating.*

This makes it well suited for applications that require good formability, high strength/hardness and minimum distortion upon heat treating. 17/7 stainless steel also provides benefits for other applications requiring high strength and good corrosion resistance, as well as excellent properties for flat springs at temperatures up to 315°C (600°F).

## Related Products

### 15 5Ph Stainless Steel

[\(/products/stainless-steel/15-5ph-stainless-steel/\)](/products/stainless-steel/15-5ph-stainless-steel/)

### 17 4Ph

[\(/products/stainless-steel/17-4ph/\)](/products/stainless-steel/17-4ph/)

### 17 7Ph

[\(/products/stainless-steel/17-7ph/\)](/products/stainless-steel/17-7ph/)

### 431 - 1.4057 STAINLESS STEEL

[\(/products/stainless-steel/431-14057-stainless-steel/\)](/products/stainless-steel/431-14057-stainless-steel/)

### A286 Bar

[\(/products/stainless-steel/a286-bar/\)](/products/stainless-steel/a286-bar/)

### A286 Sheet

[\(/products/stainless-steel/a286-sheet/\)](/products/stainless-steel/a286-sheet/)

### Aermet 100

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**Ph 13 8Mo**

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**S145 Stainless Steel**

[\(/products/stainless-steel/s145-stainless-steel/\)](/products/stainless-steel/s145-stainless-steel/)

**Technical specification**  
*Related Specifications*

**AMS 5528**

**AMS 5529**

**Mil S 25043**

**UNS S17700**

*Specific Gravity*

**7.81 g/cm3**

*Chemical Con*

<b>C</b>
<b>Mn</b>

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<b>P</b>	-	0.040
<b>S</b>	-	0.030
<b>Si</b>	-	1.00
<b>Ch</b>	16.00	18.00
<b>Ni</b>	6.50	7.75
<b>Al</b>	0.75	1.50
<b>Cr</b>	16	18
<b>Fe</b>	Bal	-

*Typical Mechanical Properties*

<b>0.2% Proof Stress</b>	MPa
<b>Tensile Strength</b>	MPa

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<b>Elongation</b>	%	4	6
<b>Hardness</b>	HRC	38	46

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Need more information? **Get in touch**

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