

AMS 5528, AMS 5529, 17-7PH ACIER INOXYDABLE

Le 17-7ph (AMS 5528, AMS 5529) est un acier inoxydable durcissable par précipitation. Il développe sa force et sa dureté par traitement thermique. Cela le rend bien adapté aux applications nécessitant une bonne formabilité, une résistance / dureté élevée et une distorsion minimale lors du traitement thermique. Le 17/7 offre également des avantages pour d'autres applications nécessitant une résistance élevée et une bonne résistance à la corrosion, ainsi que d'excellentes propriétés pour les ressorts plats à des températures allant jusqu'à 315 ° C (600 ° F).

| Specific Gravity | | | | | | | | | | |
|--|------|------|------|------|-------------------|------------------------|------------|----------|----|-----|
| 7.81 g/cm3 | | | | | | | | | | |
| Typical Applications | | | | | | Related Specifications | | | | |
| Chemical processing equipment | | | | | | AMS 5528 | | | | |
| Oil and Petroleum refining equipment | | | | | | AMS 5529 | | | | |
| Food processing equipment | | | | | | Mil S 25043 | | | | |
| | | | | | | UNS S17700 | | | | |
| Chemical Composition (Wt %) | | | | | | | | | | |
| | C | Mn | P | S | Si | Ch | Ni | Al | Cr | Fe |
| Min | – | – | – | – | – | 16.00 | 6.50 | 0.75 | 16 | Bal |
| Max | 0.09 | 1.00 | 0.04 | 0.03 | 1.00 | 18.00 | 7.75 | 1.50 | 18 | – |
| Typical Mechanical Properties after Heat treatment (AMS 5528) | | | | | | | | | | |
| | | | | | 0.2% Proof Stress | Tensile Strength | Elongation | Hardness | | |
| | | | | | MPA | MPA | % | HRC | | |
| Min | | | | | 1035 | 1241 | 4 | 38 | | |
| Max | | | | | – | 1448 | 6 | 46 | | |
| * Every effort has been made to ensure that our technical specifications are accurate. However, technical specifications included within Dynamic Metals Ltd should be used as a guideline only and are subject to change | | | | | | | | | | |

without notice.

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