

18CrNiMo7 Case-Hardened Steel Material-Din 17210 EN 10084

18CrNiMo7-6 Case-Hardened Steel is a Alloy Structural Steel material . Otai Special Steel is stockholders and suppliers in China. We can supply 18CrNiMo7-6 steel flats cut from block and we also can sawing cut the Round cake by steel round bar . And we also can provide the heat treatment , milled, machining service as customer require and needs.

18CrNiMo7-6 Steel material Form of Supply

18CrNiMo7-6 Steel Material, Otai Special Steel Supply Round Bar, Plate, Flat Bar, Square Bar. For Surface Treatment, We can provide Peeled, Milled, Finished Service.

Round Bar: Ø10mm~810mm

Plate: Thickness 10mm-1400mm.

18CrNiMo7-6 Steel material Chemical Composition

Steel Grade: Din 18CrNiMo7-6

Material Number: W-Nr.: 1.6587

C	Si	Mn	P	S
0.15~0.21	≤0.40	0.50~0.90	≤: 0.025	≤: 0.015
Cr	Mo	Ni	Al	Cu
1.50~1.80	0.25~0.35	1.40~1.70	≤0.05	≤0.30

18CrNiMo7-6 Steel material Treatment

Hot Forged temperature/ °C: 1150 ~ 1150

The heat treatment temperature / °C | annealing: 650 ~ 700

Heat treatment temperature / °C | carburizing: 880 ~ 980

Heat treatment temperature / °C | hardening I (heart) : 830 ~ 870

Heat treatment temperature / °C | hardening II (surface) : 780 ~ 820, oil

Heat treatment temperature / °C | tempered: 150 ~ 200

After annealing hardness HBS acuities were: 229

Heart of mechanical properties (after surface hardening) | size/mm: phi 30

Heart of mechanical properties (after surface hardening) | sigma b/MPa: 1080 ~ 1320

Heart of mechanical properties (after surface hardening) | sigma s p/MPa: 785

Heart of mechanical properties (after surface hardening) | delta 5 or greater (%) : 8

Heart of mechanical properties (after surface hardening) | bits (%) or greater: 35

Heart of mechanical properties (after surface hardening) | AKV (1)/J: 41

18CrNiMo7-6 Steel material Application

18CrNiMo7-6 Case-hardness steel Commonly used for general engineering lightly stressed applications that are subject to wear, such as collets, cams, rollers, bushes, spindles and gears.

Contact Us for 18CrNiMo7-6 Steel material

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