

OTAI SPECIAL STEEL is DIN 1.7225 Alloy structural steel stockholders and suppliers from china. we have more 16 years experience in 1.7225 steel supply.

1.7225 Steel is a high quality Quenched and Tempered Alloy Structural steel, It belong to the high quality medium carbon, Oil Quenched & Tempered Hardenss is 28-34 HRC. 1.7225 Annealing delivery hardenss less than 250HB.

1.7225 Alloy structural steel properties is very simliar with GB 42CrMo steel, JIS SCM440 and ASTM 4140 Alloy structural steel. At most work environment, 1.7225 is equivalent with 42CrMo, 4140, SCM440 steel.

**Related Specifications** ASTM A29/A29M DIN EN 10083/3 JIS G4053 GB GB/T 3077

#### Chemical composition

C(%)	0.38~ 0.43	Si(%)	0.15~0.35	Mn(%)	0.75~ 1.00	P(%)	≤0.035
S(%)	≤0.040	Cr(%)	0.80~1.10	Mo(%)	0.15~ 0.25		

#### Form of Supply

DIN 1.7225 Alloy structural steel, we can supply the 1.7225 round bar, steel flat bar, plate, hexagonal steel bar and steel square block. 1.7225 steel Round bar can be sawn to your required lengths as one offs or multiple cut pieces. 1.7225 Rectangular pieces can be sawn from flat bar or plate to your specific sizes. Ground tool steel bar can be supplied, providing a quality precision finished bar to tight tolerances.



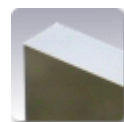
Round



sheet



Square



Plate

## Applications

DIN 1.7225 Tool steel is a alloy structural steel, 1.7225 is used for engineering structural, like high tensile shafts, bolts and nuts, gears, pinions and spindles. Locomotive traction with the big gear, supercharger drive gear, pressure vessel, rear axle, gear load of connecting rod and a spring clip, 1.7225 can also be used to under 2000 m deep well of oil drill pipe joint and the fishing tool, and can be used for bending machine mould, etc

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## Regular size and Tolerance

### 1) Hot Rolled round bar

Diameter (mm)	Diameter Tolerance (mm)	Diameter (mm)	Diameter Tolerance (mm)
≤12.70	-0.13 ~0.30	>50.80~63.5	-0.25~0.76
12.7~25.40	-0.13~0.41	>63.50~76.20	-0.25~1.02
>25.4~38.10	-0.15~0.51	>76.20~101.60	-0.30~+1.27
>38.1~50.80	-0.20~0.64	>101.60~ 203.20	-0.38~3.81

### 2) Hot Rolled steel plate

Thickness (mm)	Thickness Tolerance (mm)	Thickness (mm)	Thickness Tolerance (mm)
≤25.4	-0.41~0.79	>127~152	-1.60~2.39
>25.4~76	-0.79~1.19	>178~254	-1.98~3.18
>76~127	-1.19~1.60	>254~305	-2.39~3.96

Others 1.7225 have not specified size, pls [contact](#) our experienced sales team.

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## Processing

1.7225 tool steel round bar and flat sections can be cut to your required sizes. 1.7225 tool steel ground bar can also be supplied, providing a high quality tool steel precision ground tool steel bar to your required tolerances. 1.7225 steel is also available as Ground Flat Stock / Gauge Plate, in standard and nonstandard sizes.

Contact our experienced sales team to help you with your 1.7225 Tool steel questions and enquiry by [Email](#) or Telephone. The questions will be reply in 24 hours.

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**OTAI SPECIAL STEEL CO., LTD**

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