



## Cast Parts

HZ produce a wide range of cast parts like:

- 1 Tips for loaders, excavators and backhoes.
- 2 Adapters for loaders, excavators and backholes
- 3 Ripper tips and adapter for bulldozers
- 4 Protectors for bucketes
- 5 Side cutter for bucketes
- 6 Parts for automobile, agricultural, rail road, engineering, shipping industries.

The high quality of the steels used, the production process of advanced heat-treatment and the quality controls, enable the manufacturing of excellent resistance parts.

The chemical content of the steels used are the followings:

	C	Mn	Cr	Si	Mo	B	Ti	P	S
F1	0.3	1.3	1.1	1.2	0.05	0.002	0.004	0.025	
F2	0.3	1.4	1.8	1.6	0.05	0.002	0.004	0.025	
T1	0.23	1.2	0.6	0.6	0.05	0.002	0.004	0.025	
T2	0.28	1.3	0.8	0.9	0.05	0.002	0.004	0.025	

### **1 Steels of F1 is used for production of Teeth, tips, and side cutters.**

It is a steel with a medium-low Manganese-Chrome-Molibdenum-Silicon Carbon Content. This material presents, after the heat-treatment, a resiliency higher than 20J/CM2, while the hardness values are included between 48-52 HRC.

Advanced heat-treatment process : Normalizing+ Quenching+ Tempering

### **2 Steels of F2 is used for production of Teeth, tips, and side cutters. Above 20 Kg**

It is a steel with a medium-low Manganese-Chrome-Molibdenum-Silicon Carbon Content. This material presents, after the heat-treatment, a resiliency higher than 28J/CM2, while the hardness values are included between 48-52 HRC.

Advanced heat-treatment process : Normalizing+ Quenching+ Tempering

### **3 Steels of T1 is used for production of adapters.Below 3 Kg**

It is a steel with a medium-low Manganese-Chrome-Molibdenum-Silicon Carbon Content. This material presents, after the heat-treatment, a resiliency higher than 35J/CM2, while the hardness values are included between 36-41 HRC.

Advanced heat-treatment process : Normalizing+ Quenching+ Tempering

### **4 Steels of T2 is used for production of adapters. Above 5 Kg**

It is a steel with a medium-low Manganese-Chrome-Molibdenum-Silicon Carbon Content. This material presents, after the heat-treatment, a resiliency higher than 40J/CM2, while the hardness values are included between 36-41 HRC.

Advanced heat-treatment process : Normalizing+ Quenching+ Tempering

## 5 Steels of F1 is used for production of protectors of bucketes

It is a steel with a medium-low Manganese-Chrome-Molibdenum-Silicon Carbon Content. This material presents, after the heat-treatment, a resiliency higher than 25J/CM2, while the hardness values are included between 42-47 HRC.

Advanced heat-treatment process : Normalizing+ Quenching+ Tempering

### ADVANTAGE

- 1 HZ foundry uses very first quality steel only to manufacture its products, steel used from owned Cold-Rolled steel factory, thus granting reliability and continuity.  
Noted: Cold-Rolled steel factory are part of our HZ group
- 2 Our steels are low-alloy moulds, manufactured in electric arc furnaces with extensive refining processes, with exhaustive control of composition, gas and inclusion contents and the transformation and structure obtained in the heat treatments



**惠政特钢**  
HUIZHENG SPECIAL STEEL

**NINGBO HUIZHENG SPECIAL STEEL CO.,LTD**  
挖掘机配件 Ground Engaging Tools

相交则互惠 携手共辉煌  
Hand in hand, our cooperation will make the future brighter.

详情请登陆企业网站—[www.investment-casting.org/foundry](http://www.investment-casting.org/foundry)