

GHALTAKSAZAN SEPAHAN COMPANY

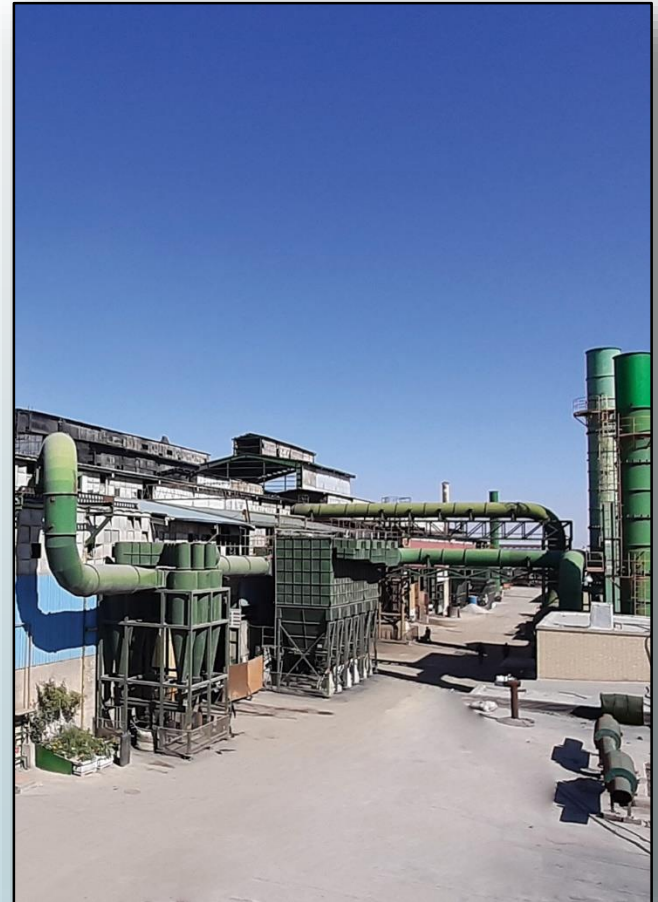


Holding Company

Casting Plant for Rings & Rolls

Casting Plant for Billet Casting, Cast Iron and Heavy Steel Parts

Machining Factory



Casting and Manufacturing Sites

GSCO

Casting Plant For
Cast Iron And
Heavy Steel Parts

Casting Plant
for Billet

- Total Melt Capacity: 215,000 Ton per year
- Total Area: 63,000 m^2



Main Products



Automobile Industry



Oil and Gas industry

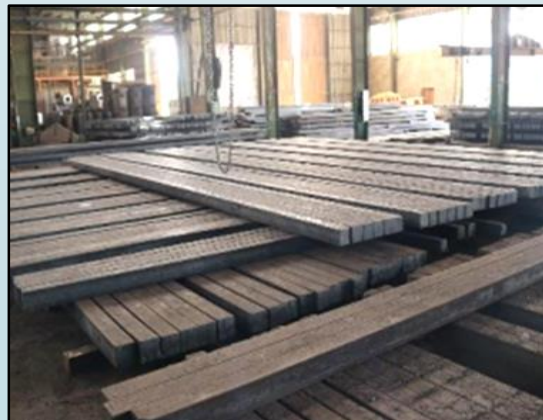


Cement Industry



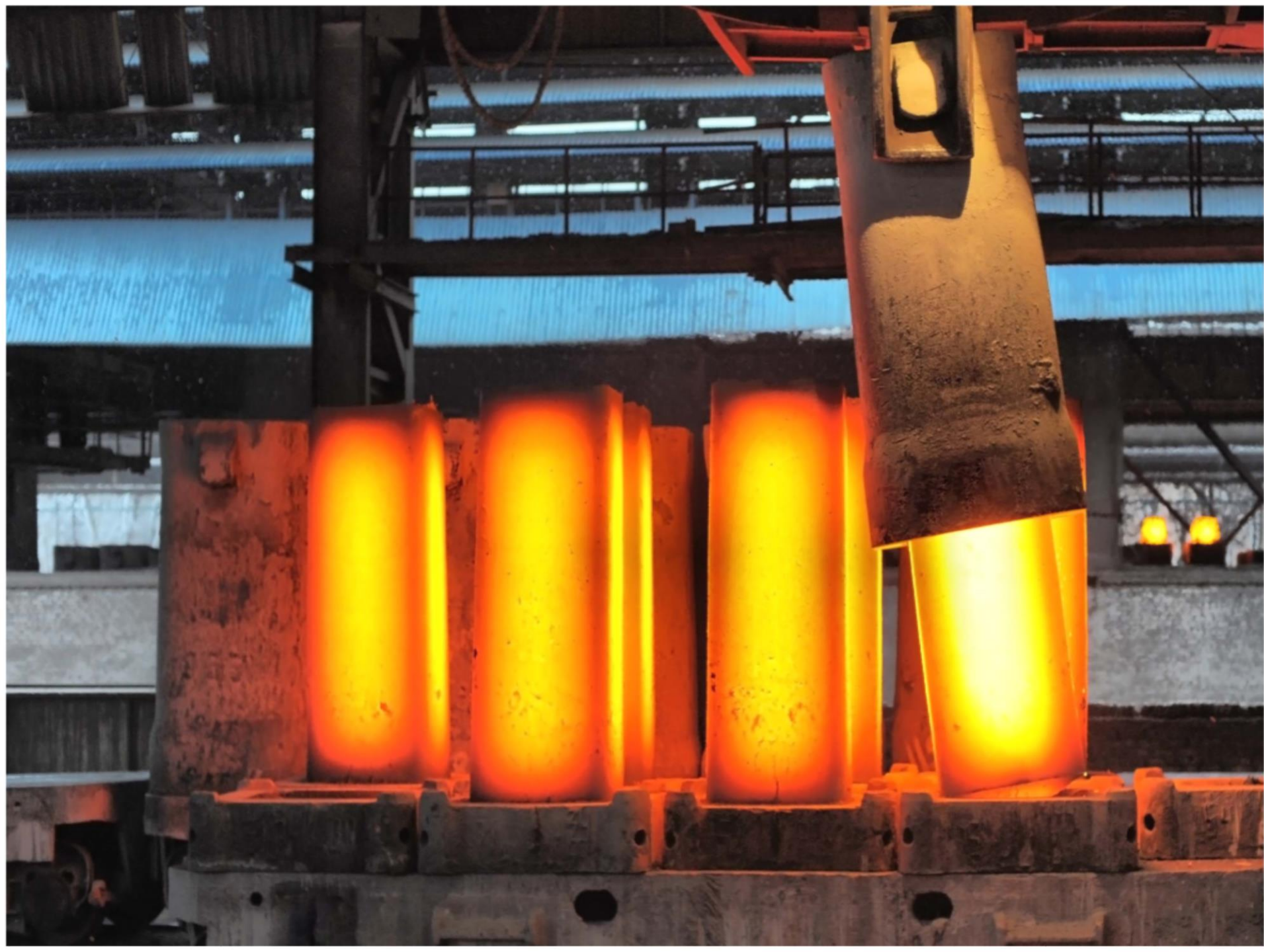
Main Products

Steel Industry



Ingot Moulds







Ingot Moulds and Accessories



The molds used in the Steel Manufacturing Industries:

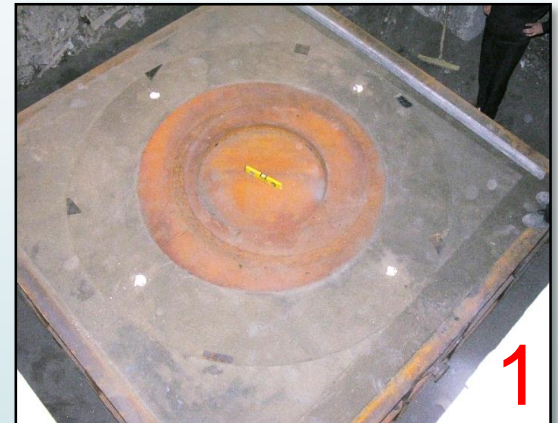
Molds that are used in the Steel Manufacturing Industries were so-called Kookily. Casted bullion sizes and dimensional characteristics depended upon the Kookily shape and the inner surface dimensions. Based on casted bullion tonnages in different kookily are varying 700 to 80,000 Kg in the Sepahan Ghaltaksazan Company. The different kookily types were named by their inner shapes, some samples are followed by different shapes and sizes.



Pattern



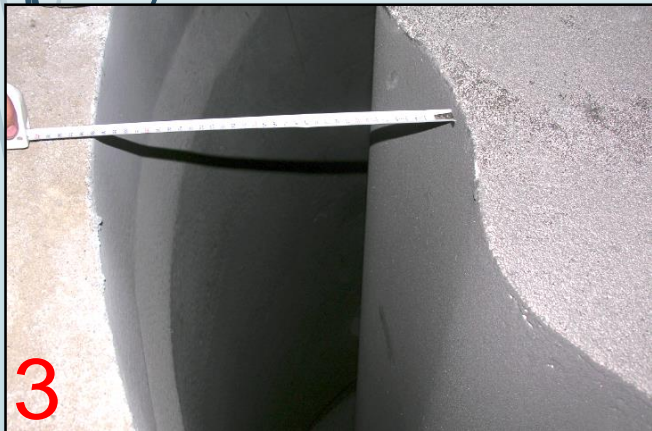
molding



Coating



Assembly





After casting



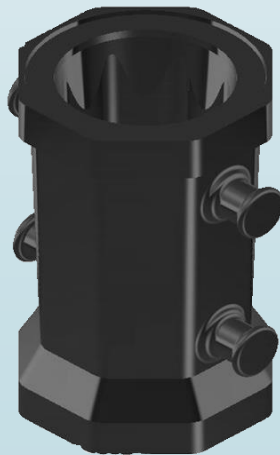
Transport



Weight: 80,000 Kg

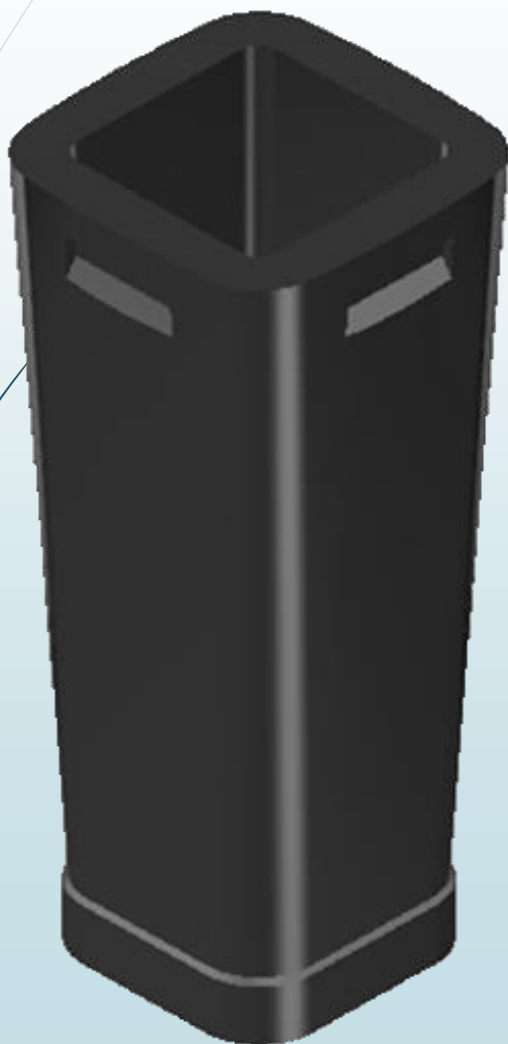


The different kookily types

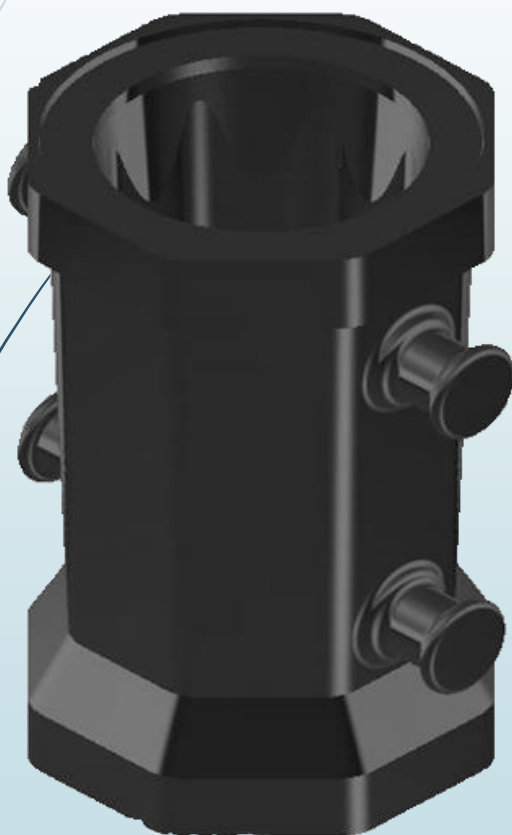




Ingot Name	KS550
Costumer	Asil Celik Sanayi
Material	GGG40
Ingot mold Weight (kg)	2650
Ingot Weight (kg)	3133
Total Weight (kg)	5783
Ingot Type	Steel
Density of Ingot mold (gr/cm3)	7.2
Density of Ingot (gr/cm3)	7.8
More Info.	
Simulation	



Ingot Name	KS3300
Costumer	Iran Alloy Steel Company
Material	GGG50
Ingot mold Weight (kg)	3480
Ingot Weight (kg)	3758
Total Weight (kg)	7238
Ingot Type	Steel
Density of Ingot mold (gr/cm3)	7.2
Density of Ingot (gr/cm3)	7.8
More Info.	
Simulation	



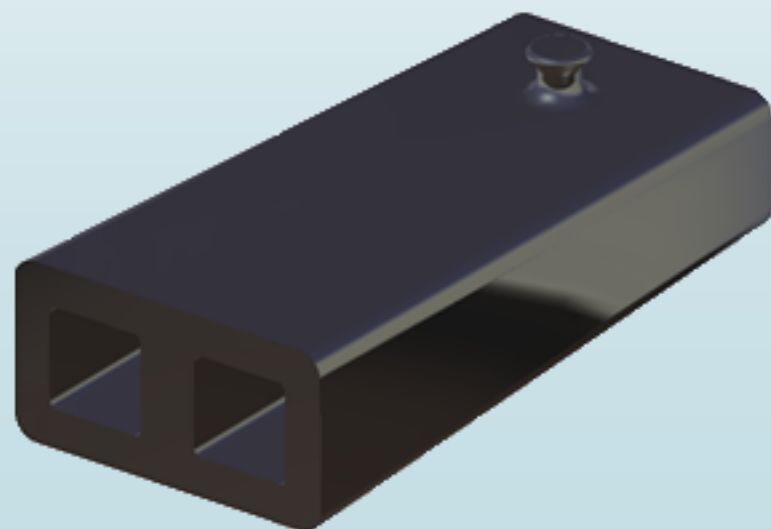
Ingot Name	KP5500
Costumer	Sfahan Alloy Steel Company
Material	GGG50
Ingot mold Weight (kg)	4840
Ingot Weight (kg)	5560
Total Weight (kg)	10400
Ingot Type	Steel
Density of Ingot mold (gr/cm3)	7.2
Density of Ingot (gr/cm3)	7.8
More Info.	
Simulation	



Ingot Name	KR2000
Costumer	Machine Sazi Arak
Material	GGG50
Ingot mold Weight (kg)	2445
Ingot Weight (kg)	2020
Total Weight (kg)	4465
Ingot Type	Steel
Density of Ingot mold (gr/cm3)	7.2
Density of Ingot (gr/cm3)	7.8
More Info.	
Simulation	



Ingot Name	KS250
Costumer	Sfahan Alloy Steel Company
Material	GGG50
Ingot mold Weight (kg)	2560
Ingot Weight (kg)	1690
Total Weight (kg)	4250
Ingot Type	Steel
Density of Ingot mold (gr/cm3)	7.2
Density of Ingot (gr/cm3)	7.8
More Info.	
Simulation	





Ingot Name	KV30000
Costumer	Verona Steel Italy
Material	GG30
Ingot mold Weight (kg)	30000
Ingot Weight (kg)	35000
Total Weight (kg)	65000
Ingot Type	Steel
Density of Ingot mold (gr/cm3)	7.2
Density of Ingot (gr/cm3)	7.8
More Info.	
Simulation	



Ingot Name	KP80000
Costumer	Esfarayen Industrial Complex
Material	GGL
Ingot mold Weight (kg)	65000
Ingot Weight (kg)	60250
Total Weight (kg)	125250
Ingot Type	Steel
Density of Ingot mold (gr/cm3)	6.9
Density of Ingot (gr/cm3)	7.8
More Info.	
Simulation	



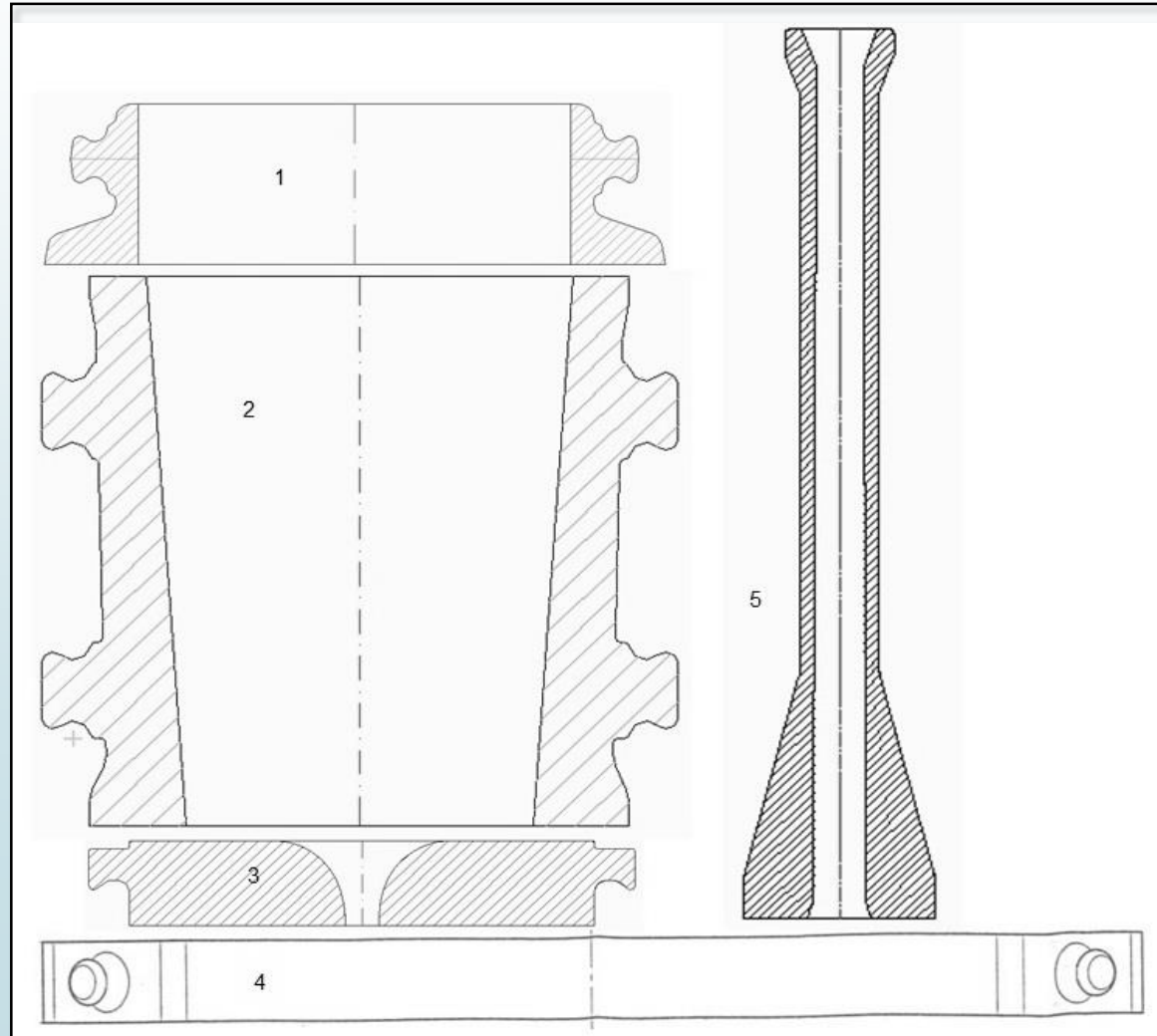
Ingot Name	KP3000L
Costumer	OMZ-Special Steels
Material	GGL
Ingot mold Weight (kg)	30000
Ingot Weight (kg)	61407
Total Weight (kg)	91407
Ingot Type	Steel
Density of Ingot mold (gr/cm3)	6.9
Density of Ingot (gr/cm3)	7.8
More Info.	
Simulation	



Ingot Accessories

To pouring in the Ingot Mould , we require to accessories such as trumpet, base plate, stool plate and top feeder and these accessories are manufactured depended on the Ingot Mould assemblies and shapes. The molten requiring for the single pouring production was entered to the major mold (Ingot Mould) by the runner (trumpet) and the major runner (that placed in the base plate). to prevent the formed constructional cavities on the top of Ingot for providing adequate smelting conditions in construction step simultaneous metallic solidification (rise ring)

Ingot Accessories



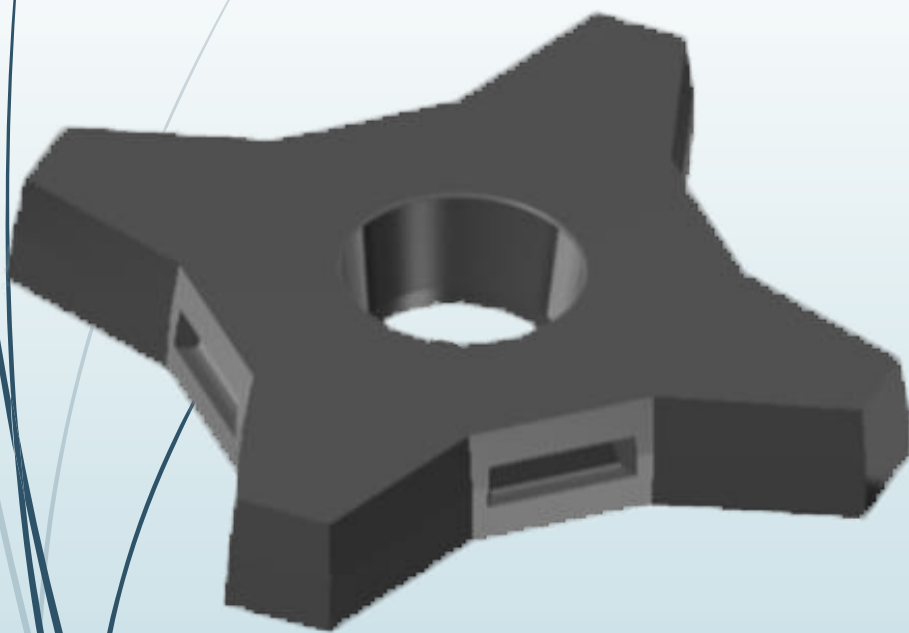


Trumpet

Name	Trumpet (Ingot Accessories)
Costumer	Sfahan Alloy Steel Company
Material	GG25
Weight (kg)	2700
Density (gr/cm3)	6.9
More Info.	
Simulation	

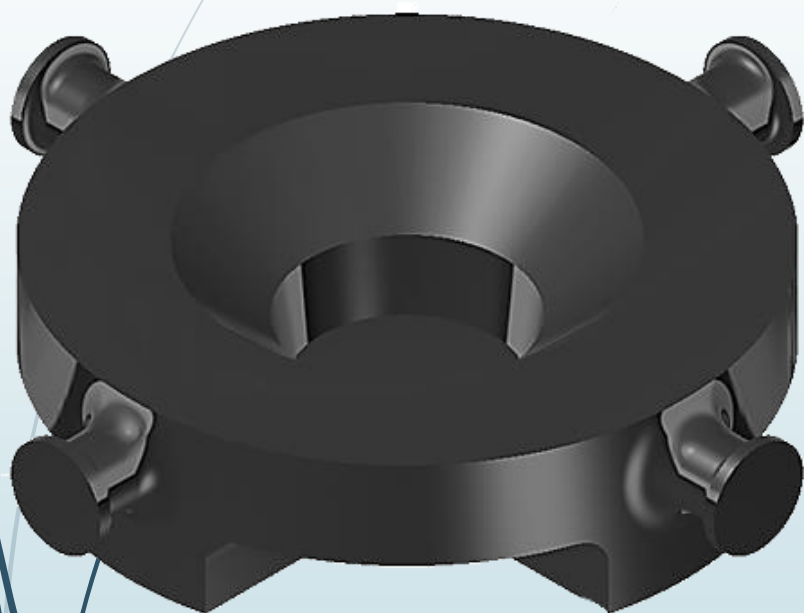
Center Stone

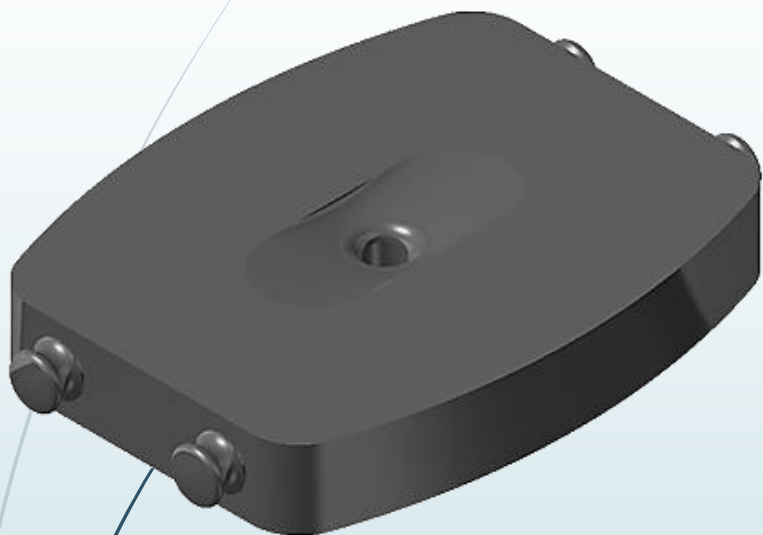
Name	Center Stone (Ingot Accessories)
Costumer	Iran Alloy Steel Company
Material	GG25
Weight (kg)	3400
Density (gr/cm3)	6.9
More Info.	
Simulation	



Stool Plate

Name	Stool Plate (Ingot Accessories)
Costumer	OMZ-Special Steels Russian
Material	GGL
Weight (kg)	12000
Density (gr/cm3)	6.9
More Info.	
Simulation	



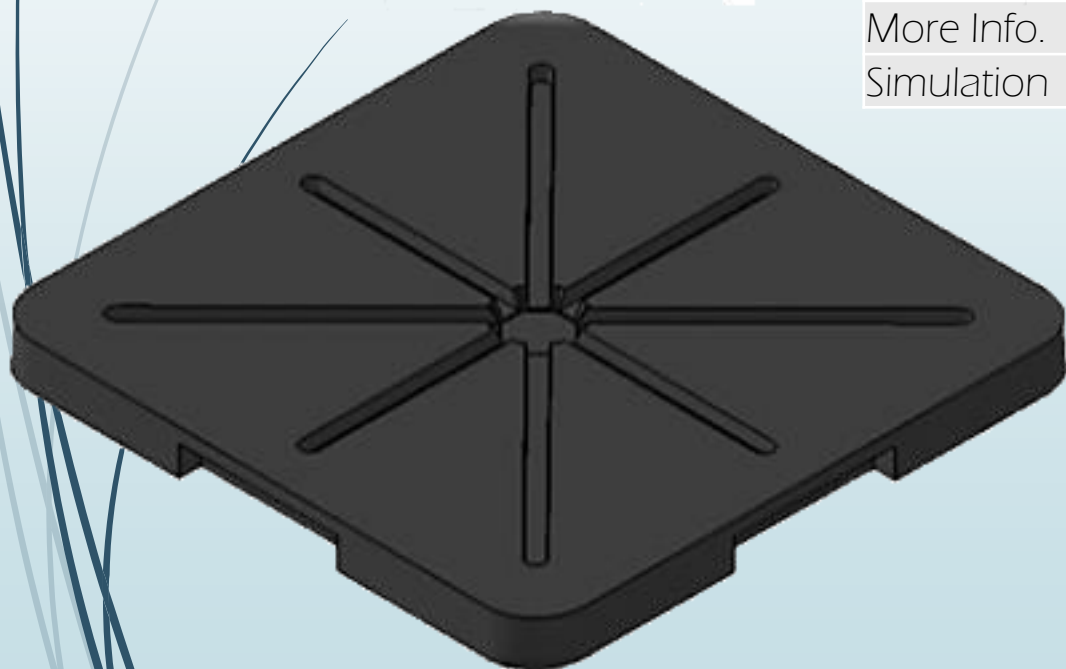


Stool Plate

Name	Stool Plate (Ingot Accessories)
Costumer	OMZ-Special Steels Russion
Material	GGL
Weight (kg)	12800
Density (gr/cm3)	6.9
More Info.	
Simulation	

Base Plate

Name	Base Plate (Ingot Accessories)
Costumer	Iran Alloy Steel Company
Material	GG25
Weight (kg)	11400
Density (gr/cm3)	6.9
More Info.	
Simulation	





Cone

Name	Cone 550F (Ingot Accessories)
Costumer	OMZ-Special Steels Russian
Material	25L
Weight (kg)	5500
Density (gr/cm3)	7.8
More Info.	
Simulation	



Everything that Happens, Happens for a Reason.

Thank You For Attention