



Ingots Catalog

Dimensions and Weight



For all our Ingots

		Carbon alloy steel	Stainless steel
Mini casting per heat	Mini (metric tonnes)	75	78
Maxi casting per heat	Maxi (metric tonnes)	98.5	89

Round Smooth Ingots

Type	Ingot with hot top		Body		Number of ingots per heat	
	Height (mm)	Weight (T)	Height (mm)	Weight (T)	Carbon alloy steel	Stainless steel
500 x 4900	4900	7.2	4600	6.8	12	11
600 x 4900	4900	10.4	4600	9.8	9	8
800 x 4650	4650	17.1	4100	15.9	5	5
800 x 4900	4900	18.8	4450	17.4	5	4
1000 x 3900	3900	22.7	3450	20.6	4	Ask for further information
1000 x 4650	4650	26.4	4100	24.3	3	3
1000 x 4900	4900	28.7	4450	26.4	3	Ask for further information
1050 x 3520	3520	22.7	3100	20.5	4	Ask for further information
1050 x 3900	3900	25	3450	22.7	3	3



Round Smooth Ingots - New dimensions

Type	Ingot with hot top		Body *		Number of ingots per heat	
	Height (mm)	Weight (T)	Height (mm)	Weight (T)	Carbon alloy steel	Stainless steel
1255 x 3540	3540	31200	3040	27500	3	X
1255 x 3485	3485	30700	3000	27100	3	X
1255 x 3430	3430	30200	2950	26700	3	X
1255 x 3370	3370	29700	2900	26200	3	3
1255 x 3315	3315	29200	2850	25800	3	3
1255 x 3260	3260	28800	2800	25300	3	3
1255 x 3200	3200	28300	2750	24900	3	3
1255 x 3145	3145	27800	2700	24500	3	3
1255 x 3090	3090	27300	2660	24000	3	3
1255 x 3035	3035	26800	2610	23600	3	3
1255 x 2975	2975	26300	2560	23100	3	3
1255 x 2920	2920	25800	2510	22700	3	3
1255 x 2865	2865	25300	2460	22300	3	3

1255 x 2640	2640	23400	2270	20500	4	3
1255 x 2585	2585	22900	2220	20100	4	3
1255 x 2525	2525	22400	2170	19600	4	4
1255 x 2470	2470	21900	2120	19200	4	4
1255 x 2415	2415	21400	2070	18800	4	4
1255 x 2355	2355	21000	2020	18300	4	4
1255 x 2300	2300	20500	1980	17900	4	4
1255 x 2245	2245	20000	1930	17400	4	4
1255 x 2190	2190	15000	1880	17000	4	4
1255 x 2130	2130	19000	1830	16600	4	4

* The information in the «body» column does not take into account our sawing recommendations

Sawing recommendation : 50 mm from the top and 100 mm from the foot

Round Corrugated Ingots

Type *	Ingot with hot top		Body		Number of ingots per heat	
	Height (mm)	Weight (T)	Height (mm)	Weight (T)	Carbon alloy steel	Stainless steel
1500 x 3980	3980	47700	3350	41800	2	X
1500 x 3920	3920	47000	3300	41200	2	X
1500 x 3865	3865	46300	3250	40600	2	X
1500 x 3805	3805	45600	3200	40000	2	X
1500 x 3750	3750	45000	3160	39400	2	2
1500 x 3690	3690	44300	3110	38800	2	2
1500 x 3635	3635	43600	3060	38200	2	2
1500 x 3575	3575	42900	3010	37500	2	2
1500 x 3520	3520	42200	2960	36900	2	2
1500 x 3460	3460	41500	2910	36300	2	2
1500 x 3405	3405	40800	2860	35700	2	2
1500 x 3345	3345	40100	2820	35100	2	2
1500 x 3290	3290	39500	2770	34500	2	2
1500 x 3230	3230	38800	2720	33900	2	2
1500 x 3170	3170	38100	2670	33300	2	2

1500 x 2600	2600	31600	2180	27300	3	X
1500 x 2545	2542	30900	2140	26600	3	X
1500 x 2485	2485	30200	2090	26000	3	X
1500 x 2425	2425	29500	2040	25400	3	3
1500 x 2370	2370	28800	1990	24800	3	3
1500 x 2310	2310	28100	1940	24200	3	3
1500 x 2255	2255	27500	1890	23600	3	3
1500 x 2195	2195	26800	1840	23000	3	3
1500 x 2140	2140	26100	1800	22400	3	3
1500 x 2080	2080	25400	1750	21800	3	3

Type*	Ingot with hot top		Body		Number of ingots per heat	
	Height (mm)	Weight (T)	Height (mm)	Weight (T)	Carbon alloy steel	Stainless steel
1800 x 5175	5175	95300	4370	83600	1	Ask for further information
1800 x 5115	5115	94300	4320	82700	1	
1800 x 5060	5060	93200	4270	81700	1	
1800 x 5000	5000	92200	4220	80800	1	
1800 x 4945	4945	91100	4170	79900	1	
1800 x 4885	4885	90100	4130	79000	1	
1800 x 4830	4830	89000	4080	78000	1	
1800 x 4770	4770	87900	4030	77100	1	
1800 x 4715	4715	86900	3980	76200	1	
1800 x 4655	4655	85800	3930	72500	1	
1800 x 4600	4600	84800	3880	75200	1	
1800 x 4540	4540	83700	3830	73400	1	
1800 x 4485	4485	82700	3790	72500	1	
1800 x 4425	4425	81600	3740	71500	1	
1800 x 4370	4370	80600	3690	70600	1	
1800 x 4310	4310	79500	3640	69700	1	
1800 x 4255	4255	78400	3590	68700	1	
1800 x 4195	4195	77400	3540	67800	1	
1800 x 4140	4140	76300	3500	66900	1	
1800 x 4040	4040	75300	3450	66000	1	
1800 x 4025	4025	74200	3400	65000	1	
1800 x 3970	3970	73200	3350	64100	1	
1800 x 3910	3910	72100	3300	63200	1	

1800 x 2530	2530	46800	2140	40900	2	Ask for further information
1800 x 2475	2475	45700	2090	39900	2	
1800 x 2415	2415	44700	2040	39000	2	
1800 x 2360	2360	43600	1990	38100	2	
1800 x 2300	2300	42600	1940	37200	2	
1800 x 2245	2245	41500	1890	36200	2	
1800 x 2185	2185	40400	1840	35300	2	
1800 x 2130	2130	39400	1800	34400	2	
1800 x 2070	2070	38300	1750	33400	2	
1800 x 2015	2015	37300	1700	32500	2	
1800 x 1955	1955	36200	1650	31600	2	
1800 x 1900	1900	35200	1600	30700	2	

* Ingots diameter 1 500 & 1 800 : 24 pans

Sawing recommendation : 50 mm from the top and 100 mm from the foot



Polygonal Ingots

			Ingot with hot top		Body		Number of ingots per heat		
Type	Faces	Average diameter Top/Bottom	Height (mm)	Weight (t)	Height (mm)	Weight (t)	Carbon alloy steel	Stainless steel	
CM9	8	1050/920	1830	10.35	1580	9	8	7	
CM11	8	1150/1000	1930	13.4	1600	11	7	6	
CM17	16	1330/1170	2130	19.56	1720	16	4	4	
CM17R	16	1350/1170	2370	22	1920	18.1	4	3	
CM30	16	1590/1380	2740	35.3	2140	28.3	2	2	
CM1800*	24	1850/1690	Mini	2200	40.7	1840	35	2	2
			Maxi	2860	60.8	2400	50.5	1	1
CM70*	24	2150/1860	Mini	3300	82.3	2820	68.3	1	
			Maxi	4300	110.7	3680	93.2*		
CM90*	24	2480/2240	Mini	3220	108.7	2730	91.5		
			Maxi	4320	149.5	3710	126.5		
CM145*	24	2710/2320	Mini	4420	171.5	3650	145.5		
			Maxi	5030	192.5	4170	163.6		

*Also available from under vacuum casting

Please consult for further information



Flat Ingots

			Ingot with hot top		Body		
Type	Thickness (mm)	Width (mm)	Maximum height (mm)	Maximum weight (mm)		Height (mm)	Weight (t)
D3	256	1000	2010	3.5	Mini	1115	1.9
					Maxi	1765	3.3
B2	180	1145	2445	3.6	Mini	1580	2.5
					Maxi	2160	3.3
B4	240	1225	2475	5.1	Mini	1560	3.4
					Maxi	2210	4.8
B7	280	1462	2490	7.0	Mini	1550	4.6
					Maxi	2200	6.5
B8	358	1420	2275	7.9	Mini	1355	4.9
					Maxi	2005	7.3
D10	530	1305	2370	11.1	Mini	1485	7.2
					Maxi	2065	10.0
D14	560	1400	2850	15.0	Mini	1890	10.5
					Maxi	2475	13.7
R17	530	1765	2745	17.7	Mini	1855	12.1
					Maxi	2380	15.5
R21	540	1770	3550	23.2	Mini	2395	16.0
					Maxi	3095	20.6
R23	540	2170	3560	28.1	Mini	2405	19.3
					Maxi	3095	25.6
R24	700	1915	3195	28.1	Mini	2135	19.4
					Maxi	2750	25.4

Please consult for further information



Hollow Ingots

Designation	Average external diameter (mm)	Average internal diameter (mm)	Ingot with hot top			Body	
				Height (mm)	Weight (t)	Height (mm)	Weight (t)
2381/1060 Hollow	2381	1060	Mini	2870	75.6	2480	66.5
			Maxi	4040	108.2	3480	95.2
3500/1300 Hollow	3500	1300	Mini	2585	145.8	2190	125.4
			Maxi	3435	194.2	2930	168.1
3500/1700 Hollow	3500	1700	Mini	2635	128.7	2190	110.8
			Maxi	3360	164.6	2790	141.7
3502/1300 Hollow	3502	1300	Mini	1950	110.5	1650	95
			Maxi	2725	155.1	2315	133.9
3502/1700 Hollow	3502	1700	Mini	1985	96.9	1650	83.4
			Maxi	2710	132.9	2250	114.4

For Hollow ingots we only produce one ingot per heat.

Please consult for further information



		Round Ingots	Polygonal Ingots
UT	CARBON/ ALLOY STEEL	EN 10228-3 cl3	EN 10228-cl4
		< 3 mm	< 2mm
	STAINLESS STEEL	EN 10228-4 cl2	EN 10228-4cl3
		< 5mm	< 3mm
GRAIN SIZE		Material supplied is fit for grain size required after forging/rolling and appropriate heat treatment	
INCLUSION CLEANLINESS		According to DIN 50 602 -K4 < 20	
JOMINY		The jominy figures supplied are delivered from calculations and must be treated as indications only	
APPLICATION		HOLLOW PIECES	SOLID PIECES

<https://industeel.arcelormittal.com>



Some pictures of the ingots



Our steel is melted via the electric arc furnace route, using scrap and decarbonized electricity, allowing a very substantial reduction of the CO2 footprint per tonne of steel.



For any information

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