



*Great Ingot = Great Castings*

**Main Office/Plant**  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933  
[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## 201 Alloy

<u>201.0</u>		<u>201.2</u>	
Si	0.10	Si	0.10
Fe	0.15	Fe	0.10
Cu	4.0 - 5.2	Cu	4.0 - 5.2
Mn	0.20 - 0.50	Mn	0.20 - 0.50
Mg	0.15 - 0.55	Mg	0.20 - 0.55
Cr		Cr	
Ni		Ni	
Zn		Zn	
Ti	0.15 - 0.35	Ti	0.15 - 0.35
Sn		Sn	
<b>Ag</b>	<b>0.40 - 1.0</b>	<b>Ag</b>	<b>0.40 - 1.0</b>
Others EA	0.05	Others EA	0.05
Others Tot	0.10	Others Tot	0.10
<b>Al</b>	<b>BAL</b>	<b>Al</b>	<b>BAL</b>

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



Great Ingot = Great Castings

Main Office/Plant  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933

[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## A201 Alloy

<u>A201.0</u>		<u>A201.1</u>	
Si	0.05	Si	0.05
Fe	0.10	Fe	0.07
Cu	4.0 - 5.0	Cu	4.0 - 5.0
Mn	0.20 - 0.40	Mn	0.20 - 0.40
Mg	0.15 - 0.35	Mg	0.20 - 0.35
Cr		Cr	
Ni		Ni	
Zn		Zn	
Ti	0.15 - 0.35	Ti	0.15 - 0.35
Sn		Sn	
<b>Ag</b>	<b>0.40 - 1.0</b>	<b>Ag</b>	<b>0.40 - 1.0</b>
Others EA	0.03	Others EA	0.03
Others Tot	0.10	Others Tot	0.10
<b>Al</b>	<b>BAL</b>	<b>Al</b>	<b>BAL</b>

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



Great Ingot = Great Castings

Main Office/Plant  
900 E 14<sup>th</sup> Street  
Chicago, Hts, IL 60411  
PH 708.757.4200  
FX 708.757.3933  
[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## B201.0 Alloy

<u>B201.0</u>		
Si	0.05	
Fe	0.05	
Cu	4.5 - 5.0	
Mn	0.20 - 0.50	
Mg	0.25 - 0.35	
Cr		
Ni		
Zn		
Ti	0.15 - 0.35	
Sn		
<b>Ag</b>	<b>0.50 - 1.0</b>	
Others EA	0.05	
Others Tot	0.15	
<b>Al</b>	BAL	

Questions? – CALL 708.757.4200

Great Ingot = Great Castings



Great Ingot = Great Castings

Main Office/Plant  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933

[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## 203 Alloy

<u>203.0</u>		<u>203.2</u>	
Si	0.30	Si	0.20
Fe	0.50	Fe	0.35
Cu	4.5 - 5.5	Cu	4.8 - 5.2
Mn	0.20 - 0.30	Mn	0.20 - 0.30
Mg	0.10	Mg	0.10
Cr		Cr	
Ni	1.3 - 1.7	Ni	1.3 - 1.7
Zn	0.10	Zn	0.10
Ti	0.15 - 0.25	Ti	0.15 - 0.25
Sn		Sn	
<b>Sb</b>	0.20 - 0.30	<b>Sb</b>	0.20 - 0.30
<b>Co</b>	0.20 - 0.30	<b>Co</b>	0.20 - 0.30
<b>Zr</b>	0.10 - 0.30	<b>Zr</b>	0.10 - 0.30
<b>Ti + Zr</b>	0.50 Max	<b>Ti + Zr</b>	0.50 Max
Others EA	0.05	Others EA	0.05
Others Tot	0.20	Others Tot	0.20
<b>Al</b>	BAL	<b>Al</b>	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



*Great Ingot = Great Castings*

**Main Office/Plant**  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933

[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## 204 Alloy

<u>204.0</u>		<u>204.2</u>	
Si	0.20	Si	0.15
Fe	0.35	Fe	0.10 - 0.20
Cu	4.2 - 5.0	Cu	4.2 - 4.9
Mn	0.10	Mn	0.05
Mg	0.15 - 0.35	Mg	0.20 - 0.35
Cr		Cr	
Ni	0.05	Ni	0.03
Zn	0.10	Zn	0.05
Ti	0.15 - 0.30	Ti	0.15 - 0.25
Sn	0.05	Sn	0.05
Others EA	0.05	Others EA	0.05
Others Tot	0.15	Others Tot	0.15
Al	BAL	Al	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



Great Ingot = Great Castings

Main Office/Plant  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933

[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## 206 Alloy

<u>206.0</u>		<u>206.2</u>	
Si	0.10	Si	0.10
Fe	0.15	Fe	0.10
Cu	4.2 - 5.0	Cu	4.2 - 5.0
Mn	0.20 - 0.50	Mn	0.20 - 0.50
Mg	0.15 - 0.35	Mg	0.20 - 0.35
Cr		Cr	
Ni	0.05	Ni	0.03
Zn	0.10	Zn	0.05
Ti	0.15 - 0.30	Ti	0.15 - 0.25
Sn	0.05	Sn	0.05
Others EA	0.05	Others EA	0.05
Others Tot	0.15	Others Tot	0.15
Al	BAL	Al	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



Great Ingot = Great Castings

**Main Office/Plant**  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933  
[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## A206 Alloy

<u>A206.0</u>		<u>A206.2</u>	
Si	0.05	Si	0.05
Fe	0.10	Fe	0.07
Cu	4.2 - 5.0	Cu	4.2 - 5.0
Mn	0.20 - 0.50	Mn	0.20 - 0.50
Mg	0.15 - 0.35	Mg	0.20 - 0.35
Cr		Cr	
Ni	0.05	Ni	0.03
Zn	0.10	Zn	0.05
Ti	0.15 - 0.30	Ti	0.15 - 0.25
Sn	0.05	Sn	0.05
Others EA	0.05	Others EA	0.05
Others Tot	0.15	Others Tot	0.15
Al	BAL	Al	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



Great Ingot = Great Castings

Main Office/Plant  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933

[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## B206 Alloy

<u>B206.0</u>		<u>B206.2</u>	
Si	0.05	Si	0.05
Fe	0.10	Fe	0.07
Cu	4.2 - 5.0	Cu	4.2 - 5.0
Mn	0.20 - 0.50	Mn	0.20 - 0.50
Mg	0.15 - 0.35	Mg	0.20 - 0.35
Cr		Cr	
Ni	0.05	Ni	0.03
Zn	0.10	Zn	0.05
Ti	0.10	Ti	0.05
Sn	0.05	Sn	0.05
Others EA	0.05	Others EA	0.05
Others Tot	0.15	Others Tot	0.15
Al	BAL	Al	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings





*Great Ingot = Great Castings*

**Main Office/Plant**  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933  
[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## 240 Alloy

<u>240.0</u>		<u>240.1</u>	
Si	0.50	Si	0.50
Fe	0.50	Fe	0.40
Cu	7.0 - 9.0	Cu	7.0 - 9.0
Mn	0.30 - 0.7	Mn	0.30 - 0.7
Mg	5.5 - 6.5	Mg	5.6 - 6.5
Cr		Cr	
Ni	0.30 - 0.7	Ni	0.30 - 0.7
Zn	0.10	Zn	0.10
Ti	0.20	Ti	0.20
Sn		Sn	
Others EA	0.05	Others EA	0.05
Others Tot	0.15	Others Tot	0.15
Al	BAL	Al	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



Great Ingot = Great Castings

**Main Office/Plant**  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933  
[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## 242 Alloy

<u>242.0</u>		<u>242.1</u>		<u>242.2</u>	
Si	0.7	Si	0.7	Si	0.6
Fe	1.0	Fe	0.8	Fe	0.6
Cu	3.5 - 4.5	Cu	3.5 - 4.5	Cu	3.5 - 4.5
Mn	0.35	Mn	0.35	Mn	0.10
Mg	1.2 - 1.8	Mg	1.3 - 1.8	Mg	1.3 - 1.8
Cr	0.25	Cr	0.25	Cr	
Ni	1.7 - 2.3	Ni	1.7 - 2.3	Ni	1.7 - 2.3
Zn	0.35	Zn	0.35	Zn	0.10
Ti	0.25	Ti	0.25	Ti	0.20
Sn		Sn		Sn	
Others EA	0.05	Others EA	0.05	Others EA	0.05
Others Tot	0.15	Others Tot	0.15	Others Tot	0.15
Al	BAL	Al	BAL	Al	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



Great Ingot = Great Castings

**Main Office/Plant**  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933  
[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## A242 Alloy

<u>A242.0</u>		<u>A242.1</u>		<u>A242.2</u>	
Si	0.6	Si	0.6	Si	0.35
Fe	0.8	Fe	0.6	Fe	0.6
Cu	3.7 - 4.5	Cu	3.7 - 4.5	Cu	3.7 - 4.5
Mn	0.10	Mn	0.10	Mn	0.10
Mg	1.2 - 1.7	Mg	1.3 - 1.7	Mg	1.3 - 1.7
Cr	0.15 - 0.25	Cr	0.15 - 0.25	Cr	0.15 - 0.25
Ni	1.8 - 2.3	Ni	1.8 - 2.3	Ni	1.8 - 2.3
Zn	0.10	Zn	0.10	Zn	0.10
Ti	0.07 - 0.20	Ti	0.07 - 0.20	Ti	.07 - 0.20
Sn		Sn		Sn	
Others EA	0.05	Others EA	0.05	Others EA	0.05
Others Tot	0.15	Others Tot	0.15	Others Tot	0.15
Al	BAL	Al	BAL	Al	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



Great Ingot = Great Castings

**Main Office/Plant**  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933  
[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## 295 Alloy

<u>295.0</u>		<u>295.1</u>		<u>295.2</u>	
Si	0.7 - 1.5	Si	0.7 - 1.5	Si	0.7 - 1.2
Fe	1.0	Fe	0.8	Fe	0.8
Cu	4.0 - 5.0	Cu	4.0 - 5.0	Cu	4.0 - 5.0
Mn	0.35	Mn	0.35	Mn	0.30
Mg	0.03	Mg	0.03	Mg	0.03
Cr		Cr		Cr	
Ni		Ni		Ni	
Zn	0.35	Zn	0.35	Zn	0.30
Ti	0.25	Ti	0.25	Ti	0.20
Sn		Sn		Sn	
Others EA	0.05	Others EA	0.05	Others EA	0.05
Others Tot	0.15	Others Tot	0.15	Others Tot	0.15
Al	BAL	Al	BAL	Al	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings



Great Ingot = Great Castings

**Main Office/Plant**  
 900 E 14<sup>th</sup> Street  
 Chicago, Hts, IL 60411  
 PH 708.757.4200  
 FX 708.757.3933  
[www.trialco.net](http://www.trialco.net)

Mr. Jay Armstrong / President / [armstrong@trialco.net](mailto:armstrong@trialco.net)

Mr. Richard A. Milnes / Director of Sales / [milnes@trialco.net](mailto:milnes@trialco.net)

Direct - 708.898.9903

Direct - 330.495.7770 - fax 330.491.0308

xxx.0 Casting Spec -- xxx.1 Secondary Ingot Spec -- xxx.2 Primary Ingot Spec

## 296 Alloy

<u>296.0</u>		<u>296.1</u>		<u>296.2</u>	
Si	2.0 - 3.0	Si	2.0 - 3.0	Si	2.0 - 3.0
Fe	1.2	Fe	0.9	Fe	0.8
Cu	4.0 - 5.0	Cu	4.0 - 5.0	Cu	4.0 - 5.0
Mn	0.35	Mn	0.35	Mn	0.30
Mg	0.05	Mg	0.05	Mg	0.03
Cr		Cr		Cr	
Ni	0.35	Ni	0.35	Ni	
Zn	0.50	Zn	0.50	Zn	0.30
Ti	0.25	Ti	0.25	Ti	0.20
Sn		Sn		Sn	
Others EA		Others EA		Others EA	0.05
Others Tot	0.35	Others Tot	0.35	Others Tot	0.15
Al	BAL	Al	BAL	Al	BAL

**Questions? – CALL 708.757.4200**

Great Ingot = Great Castings