



Great Ingot = Great Castings

Main Office/Plant
 900 E 14th Street
 Chicago, Hts, IL 60411
 PH 708.757.4200
 FX 708.757.3933
www.trialco.net

Mr. Jay Armstrong / President / armstrong@trialco.net

Mr. Richard A. Milnes / Director of Sales / 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

705 Alloy

<u>705.0</u>		<u>705.1</u>	
Si	0.20	Si	0.20
Fe	0.8	Fe	0.6
Cu	0.20	Cu	0.20
Mn	0.40 - 0.6	Mn	0.40 - 0.6
Mg	1.4 - 1.8	Mg	1.5 - 1.8
Cr	0.20 - 0.40	Cr	0.20 - 0.40
Ni		Ni	
Zn	2.7 - 3.3	Zn	2.7 - 3.3
Ti	0.25	Ti	0.25
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 14th Street
 Chicago, Hts, IL 60411
 PH 708.757.4200
 FX 708.757.3933
www.trialco.net

Mr. Jay Armstrong / President / armstrong@trialco.net

Mr. Richard A. Milnes / Director of Sales / 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

707 Alloy

<u>707.0</u>		<u>707.1</u>	
Si	0.20	Si	0.20
Fe	0.8	Fe	0.6
Cu	0.20	Cu	0.20
Mn	0.40 - 0.6	Mn	0.40 - 0.6
Mg	1.8 - 2.4	Mg	1.9 - 2.4
Cr	0.20 - 0.40	Cr	0.20 - 0.40
Ni		Ni	
Zn	4.0 - 4.5	Zn	4.0 - 4.5
Ti	0.25	Ti	0.25
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 14th Street
 Chicago, Hts, IL 60411
 PH 708.757.4200
 FX 708.757.3933
www.trialco.net

Mr. Jay Armstrong / President / armstrong@trialco.net

Mr. Richard A. Milnes / Director of Sales / 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

709 Alloy

<u>709.0</u>		<u>709.1 ³⁷</u>		<u>709.2 ³⁷</u>	
Si	0.40	Si	0.40	Si	0.15
Fe	0.50	Fe	0.40	Fe	0.20
Cu	1.2 - 2.0	Cu	1.2 - 2.0	Cu	1.2 - 2.0
Mn	0.30	Mn	0.30	Mn	0.15
Mg	2.1 - 2.9	Mg	2.2 - 2.9	Mg	2.2 - 2.9
Cr	0.18 - 0.28	Cr	0.18 - 0.28	Cr	0.18 - 0.28
Ni		Ni		Ni	
Zn	5.1 - 6.1	Zn	5.1 - 6.1	Zn	5.1 - 6.0
Ti	0.20	Ti	0.20	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

Footnote *37 / Used for centrifugally cast products

Questions? – CALL 708.757.4200

Great Ingot = Great Castings



Great Ingot = Great Castings

Main Office/Plant
 900 E 14th Street
 Chicago, Hts, IL 60411
 PH 708.757.4200
 FX 708.757.3933
www.trialco.net

Mr. Jay Armstrong / President / armstrong@trialco.net

Mr. Richard A. Milnes / Director of Sales / 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

710 Alloy

<u>710.0</u>		<u>710.1</u>	
Si	0.15	Si	0.15
Fe	0.50	Fe	0.40
Cu	0.35 - 0.6	Cu	0.35 - 0.6
Mn	0.05	Mn	0.05
Mg	0.6 - 0.8	Mg	0.65 - 0.8
Cr		Cr	
Ni		Ni	
Zn	6.0 - 7.0	Zn	6.0 - 7.0
Ti	0.25	Ti	0.25
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 14th Street
 Chicago, Hts, IL 60411
 PH 708.757.4200
 FX 708.757.3933
www.trialco.net

Mr. Jay Armstrong / President / armstrong@trialco.net

Mr. Richard A. Milnes / Director of Sales / 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

711 Alloy

<u>711.0</u>		<u>711.1</u>	
Si	0.30	Si	0.30
Fe	0.7 - 1.4	Fe	0.7 - 1.1
Cu	0.35 - 0.6	Cu	0.35 - 0.6
Mn	0.05	Mn	0.05
Mg	0.25 - 0.45	Mg	0.30 - 0.45
Cr		Cr	
Ni		Ni	
Zn	6.0 - 7.0	Zn	6.0 - 7.0
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 14th Street
 Chicago, Hts, IL 60411
 PH 708.757.4200
 FX 708.757.3933
www.trialco.net

Mr. Jay Armstrong / President / armstrong@trialco.net

Mr. Richard A. Milnes / Director of Sales / 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

712 Alloy

<u>712.0</u>		<u>712.2</u>	
Si	0.30	Si	0.15
Fe	0.50	Fe	0.40
Cu	0.25	Cu	0.25
Mn	0.10	Mn	0.10
Mg	0.50 - 0.65	Mg	0.50 - 0.65
Cr	0.40 - 0.6	Cr	0.40 - 0.6
Ni		Ni	
Zn	5.0 - 6.5	Zn	5.0 - 6.5
Ti	0.15 - 0.25	Ti	0.15 - 0.25
Sn		Sn	
Others EA	0.05	Others EA	0.05
Others Tot	0.20	Others Tot	0.20
Al	BAL	Al	BAL

Questions? – CALL 708.757.4200

Great Ingot = Great Castings



Great Ingot = Great Castings

Main Office/Plant
 900 E 14th Street
 Chicago, Hts, IL 60411
 PH 708.757.4200
 FX 708.757.3933
www.trialco.net

Mr. Jay Armstrong / President / armstrong@trialco.net

Mr. Richard A. Milnes / Director of Sales / 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

713 Alloy

<u>713.0</u>		<u>713.1</u>	
Si	0.25	Si	0.25
Fe	1.1	Fe	0.8
Cu	0.40 - 1.0	Cu	0.40 - 1.0
Mn	0.6	Mn	0.6
Mg	0.20 - 0.50	Mg	0.25 - 0.50
Cr	0.35	Cr	0.35
Ni	0.15	Ni	0.15
Zn	7.0 - 8.0	Zn	7.0 - 8.0
Ti	0.25	Ti	0.25
Sn		Sn	
Others EA	0.10	Others EA	0.10
Others Tot	0.25	Others Tot	0.25
Al	BAL	Al	BAL

Questions? – CALL 708.757.4200

Great Ingot = Great Castings



Great Ingot = Great Castings

Main Office/Plant
 900 E 14th Street
 Chicago, Hts, IL 60411
 PH 708.757.4200
 FX 708.757.3933
www.trialco.net

Mr. Jay Armstrong / President / armstrong@trialco.net

Mr. Richard A. Milnes / Director of Sales / 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

771 Alloy

<u>771.0</u>		<u>771.2</u>	
Si	0.15	Si	0.10
Fe	0.15	Fe	0.10
Cu	0.10	Cu	0.10
Mn	0.10	Mn	0.10
Mg	0.8 - 1.0	Mg	0.85 - 1.0
Cr	0.06 - 0.20	Cr	0.06 - 0.20
Ni		Ni	
Zn	6.5 - 7.5	Zn	6.5 - 7.5
Ti	0.10 - 0.20	Ti	0.10 - 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 14th Street
 Chicago, Hts, IL 60411
 PH 708.757.4200
 FX 708.757.3933
www.trialco.net

Mr. Jay Armstrong / President / armstrong@trialco.net

Mr. Richard A. Milnes / Director of Sales / 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

772 Alloy

<u>772.0</u>		<u>772.2</u>	
Si	0.15	Si	0.10
Fe	0.15	Fe	0.10
Cu	0.10	Cu	0.10
Mn	0.10	Mn	0.10
Mg	0.6 - 0.8	Mg	0.65 - 0.8
Cr	0.06 - 0.20	Cr	0.06 - 0.20
Ni		Ni	
Zn	6.0 - 7.0	Zn	6.0 - 7.0
Ti	0.10 - 0.20	Ti	0.10 - 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