



BIRO KLASIFIKASI INDONESIA
Certificate of Approval for Welding Consumables
Sertifikat Persetujuan Kawat Las

No. 10.0036 MA

This is to certify that the welding consumables described below
Dengan ini dinyatakan bahwa kawat las tersebut di bawah ini

Type of Welding Consumables : Wire Gas Combination
Jenis dari Kawat Las

Electrode-Wire Manufacturer/Supplier : Zigong Atlantic Welding Wires Co., Ltd.
Pembuat/Penyalur Elektroda-Kawat Las

Trademark / Brand : Atlantic / CHW-50C6SM
Merek Dagang / Merek

Flux-Shielding Gas Manufacturer/Supplier: --
Pembuat/Penyalur Flux-Gas Pelindung

Brand : C1
Merek

Classification (AWS, DIN, EN, ISO, etc.) : AWS A5.18 ER70S-6
Klasifikasi (AWS, DIN, EN, dll.)

has been approved by BIRO KLASIFIKASI INDONESIA in accordance with the requirements of BKI's Rules based upon the approval test as follows:
telah disetujui oleh BIRO KLASIFIKASI INDONESIA sesuai dengan persyaratan Peraturan BKI berdasarkan uji persetujuan sebagai berikut:

Grade & Added Symbol : 3YSM
Kualitas & Simbol Tambahan

Diameter : 0,8 – 1,6 mm
Diameter

Welding Current/Polarity : DC +
Arus Pengelasan/Polaritas

Welding Process : Gas Metal Arc Welding with Active Gas Shield
Proses Pengelasan

Welding Position : (2) PA (d), PB (h), PC (h-v), PD (h-o), PE (o), PF (v-u)
Posisi Pengelasan

Materials & (post-weld) Heat Treatment: KI-A – E;
Material & Perlakuan Panas (pasca-las) KI-A32 – E36; For plate over 50 to 70 mm thick, welding consumables and materials with one quality grade higher shall be used and for those over 70 and up to 100 mm thick those with two quality grades higher shall be used – in each case in compliance with the higher base material requirements

Service Temperature : --
Temperatur Kerja

Assessment Report No. : 1262-TP/C1/2010
No. Laporan Pemeriksaan

This Certificate is valid until : 16 July 2011
Sertifikat ini berlaku sampai

Issued at Jakarta, on 12 August 2010
Dikeluarkan di Jakarta,

BIRO KLASIFIKASI INDONESIA
Technical Director
Direktur Teknik





BIRO KLASIFIKASI INDONESIA
Certificate of Approval for Welding Consumables
Sertifikat Persetujuan Kawat Las

No. 10.0035 MA

This is to certify that the welding consumables described below
Dengan ini dinyatakan bahwa kawat las tersebut di bawah ini

Type of Welding Consumables : Cored Wire Electrode Gas Combination
Jenis dari Kawat Las

Electrode-Wire Manufacturer/Supplier : Atlantic China Welding Consumables, Inc.
Pembuat/Penyalur Elektroda-Kawat Las

Trademark / Brand : Atlantic / CHT711
Merek Dagang / Merek

Flux-Shielding Gas Manufacturer/Supplier: --
Pembuat/Penyalur Flux-Gas Pelindung

Brand : C1
Merek

Classification (AWS, DIN, EN, ISO, etc.) : AWS A5.20 E71T-1C
Klasifikasi (AWS, DIN, EN, dll.)

has been approved by BIRO KLASIFIKASI INDONESIA in accordance with the requirements of BKI's Rules based upon the approval test as follows:
telah disetujui oleh BIRO KLASIFIKASI INDONESIA sesuai dengan persyaratan Peraturan BKI berdasarkan uji persetujuan sebagai berikut:

Grade & Added Symbol : 3YH10S
Kualitas & Simbol Tambahan

Diameter : 1,0 – 1,6 mm
Diameter

Welding Current/Polarity : DC +
Arus Pengelasan/Polaritas

Welding Process : Flux Cored Wire Metal Arc Welding with Active Gas Shield
Proses Pengelasan

Welding Position : (1) PA (d), PB (h), PC (h-v), PD (h-o), PE (o), PF (v-u), PG (v-d)
Posisi Pengelasan

Materials & (post-weld) Heat Treatment: KI-A – E;
Material & Perlakuan Panas (pasca-las) KI-A32 – E36; For plate over 50 to 70 mm thick, welding consumables and materials with one quality grade higher shall be used and for those over 70 and up to 100 mm thick those with two quality grades higher shall be used – in each case in compliance with the higher base material requirements

Service Temperature : --
Temperatur Kerja

Assessment Report No. : 1261-TP/C1/2010
No. Laporan Pemeriksaan

This Certificate is valid until : 16 July 2011
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BIRO KLASIFIKASI INDONESIA
Technical Director
Direktur Teknik





BIRO KLASIFIKASI INDONESIA
Certificate of Approval for Welding Consumables
Sertifikat Persetujuan Kawat Las

No. 10.0037 MA

This is to certify that the welding consumables described below
Dengan ini dinyatakan bahwa kawat las tersebut di bawah ini

Type of Welding Consumables : Covered Electrode
Jenis dari Kawat Las

Electrode-Wire Manufacturer/Supplier : Atlantic China Welding Consumables, Inc.
Pembuat/Penyalur Elektroda-Kawat Las

Trademark / Brand : Atlantic / CHE40
Merek Dagang / Merek

Flux-Shielding Gas Manufacturer/Supplier: --
Pembuat/Penyalur Flux-Gas Pelindung

Brand : --
Merek

Classification (AWS, DIN, EN, ISO, etc.) : AWS A5.1 E6013
Klasifikasi (AWS, DIN, EN, dll.)

has been approved by BIRO KLASIFIKASI INDONESIA in accordance with the requirements of BKI's Rules based upon the approval test as follows:

telah disetujui oleh BIRO KLASIFIKASI INDONESIA sesuai dengan persyaratan Peraturan BKI berdasarkan uji persetujuan sebagai berikut:

Grade & Added Symbol : 2
Kualitas & Simbol Tambahan

Diameter : 2,5 – 5,0 mm
Diameter

Welding Current/Polarity : AC / DC +
Arus Pengelasan/Polaritas

Welding Process : Shielded Metal Arc Welding
Proses Pengelasan

Welding Position : (2) PA (d), PB (h), PC (h-v), PD (h-o), PE (o), PF (v-u)
Posisi Pengelasan

Materials & (post-weld) Heat Treatment: KI-A – KI-D
Material & Perlakuan Panas (pasca-las)

Service Temperature : --
Temperatur Kerja

Assessment Report No. : 1263-TP/C1/2010
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HARYANTO



BIRO KLASIFIKASI INDONESIA
Certificate of Approval for Welding Consumables
Sertifikat Persetujuan Kawat Las
No. 10.0038 MA

This is to certify that the welding consumables described below
Dengan ini dinyatakan bahwa kawat las tersebut di bawah ini

Type of Welding Consumables : Covered Electrode
Jenis dari Kawat Las

Electrode-Wire Manufacturer/Supplier : Atlantic China Welding Consumables, Inc.
Pembuat/Penyalur Elektroda-Kawat Las

Trademark / Brand : Atlantic / CHE56
Merek Dagang / Merek

Flux-Shielding Gas Manufacturer/Supplier: --
Pembuat/Penyalur Flux-Gas Pelindung

Brand : --
Merek

Classification (AWS, DIN, EN, ISO, etc.) : AWS A5.1 E7016
Klasifikasi (AWS, DIN, EN, dll.)

has been approved by BIRO KLASIFIKASI INDONESIA in accordance with the requirements of BKI's Rules based upon the approval test as follows:
telah disetujui oleh BIRO KLASIFIKASI INDONESIA sesuai dengan persyaratan Peraturan BKI berdasarkan uji persetujuan sebagai berikut:

Grade & Added Symbol : 3YH10
Kualitas & Simbol Tambahan

Diameter : 2,5 – 5,0 mm
Diameter

Welding Current/Polarity : AC / DC +
Arus Pengelasan/Polaritas

Welding Process : Shielded Metal Arc Welding
Proses Pengelasan

Welding Position : (2) PA (d), PB (h), PC (h-v), PD (h-o), PE (o), PF (v-u)
Posisi Pengelasan

Materials & (post-weld) Heat Treatment: KI-A – E;
Material & Perlakuan Panas (pasca-las) KI-A32 – E36; For plate over 50 to 70 mm thick, welding consumables and materials with one quality grade higher shall be used and for those over 70 and up to 100 mm thick those with two quality grades higher shall be used – in each case in compliance with the higher base material requirements

Service Temperature : --
Temperatur Kerja

Assessment Report No. : 1263-TP/C1/2010
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BIRO KLASIFIKASI INDONESIA
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Sertifikat Persetujuan Kawat Las

No. 10.0039 MA

This is to certify that the welding consumables described below
Dengan ini dinyatakan bahwa kawat las tersebut di bawah ini

Type of Welding Consumables : Covered Electrode
Jenis dari Kawat Las

Electrode-Wire Manufacturer/Supplier : Atlantic China Welding Consumables, Inc.
Pembuat/Penyalur Elektroda-Kawat Las

Trademark / Brand : Atlantic / CHE58-1
Merek Dagang / Merek

Flux-Shielding Gas Manufacturer/Supplier: --
Pembuat/Penyalur Flux-Gas Pelindung

Brand : --
Merek

Classification (AWS, DIN, EN, ISO, etc.) : AWS A5.1 E7018-1/E7018
Klasifikasi (AWS, DIN, EN, dll.)

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telah disetujui oleh BIRO KLASIFIKASI INDONESIA sesuai dengan persyaratan Peraturan BKI berdasarkan uji persetujuan sebagai berikut:

Grade & Added Symbol : 3YH10
Kualitas & Simbol Tambahan

Diameter : 2,5 – 5,0 mm
Diameter

Welding Current/Polarity : AC / DC +
Arus Pengelasan/Polaritas

Welding Process : Shielded Metal Arc Welding
Proses Pengelasan

Welding Position : (2) PA (d), PB (h), PC (h-v), PD (h-o), PE (o), PF (v-u)
Posisi Pengelasan

Materials & (post-weld) Heat Treatment: KI-A – E;
Material & Perlakuan Panas (pasca-las) KI-A32 – E36; For plate over 50 to 70 mm thick, welding consumables and materials with one quality grade higher shall be used and for those over 70 and up to 100 mm thick those with two quality grades higher shall be used – in each case in compliance with the higher base material requirements

Service Temperature : --
Temperatur Kerja

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