

WESPEC

(General Catalogue)



WWW.WESPEC.NET

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Call Us on WhatsApp:

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WHO WE ARE

We are a team of experts with more than 40 years of experience in welding consumables manufacturing. Our expertise accompanies you in the process of producing welding consumables from A to Z.

Production of high quality welding consumables is a very sensitive and Science-based process such as Metallurgy – Chemistry – Mechanic. Due to the sensitivity of the parts made by the welding process, specialists have always paid special attention to the science of welding and this method is considered as a special process in all quality management system.

For an individual with a little knowledge in this area, it may be a simple coated electrode or flux which is consisted of dry paste, however from the scientific point, to produce these products, wide ranges of sciences have been taken into account.

WESPEC group with extensive knowledge of each part of this puzzle will help you to produce the best quality product.

The final quality of the product and its adjustment with the relevant standards will be guaranteed by us.



WHAT WE DO

Our team can help you produce a quality product at all stages:

- Ready Mixed Fluxes
- Feasibility study and evaluation
- Design and Implementation
- Installation
- Preparation of raw materials based on **Know-how**
- Formulating and Producing according to Know-How
- Performing Quality Management System

A–know-how: Technical know-how in the production of all kinds of welding consumables including : coated electrodes, sub-arc welding fluxes, welding wires including GMAW & FCAW & SAW ,Electro slag consumables, Cutting and Grinding wheels.

Technical know-how includes:

- 1-**Raw materials specifications for production of listed products (spec of powders, binders, wires).
- 2-**Formulation of dry and wet mix of covered electrodes & saw fluxes & cutting and grinding wheel.
- 3-** Manufacturing instructions of covered electrodes, welding wires, saw fluxes, electro slag, grinding and cutting wheel (link web site).
- 4-**Recommendation to supply the best raw materials sources based on related spec.



KNOW-HOW

Regarding formulation of welding consumables and after the theoretical calculations, a definite answer will be finalized by performing practical tests.

To achieve the type of material and its exact amount, we need sufficient knowledge and ability to solve complex issues in sciences like metallurgy, chemistry, physics, thermodynamics and understanding the Equations and reactions in fields such as slag and melt reactions, phase diagrams, heat transfer reactions, Chemical sweep reactions, Calculations of the presence of elements in the weld metal. Also, we need Computer modeling to predict the final result. Moreover, after the theoretical conclusion, numerous practical tests are required.

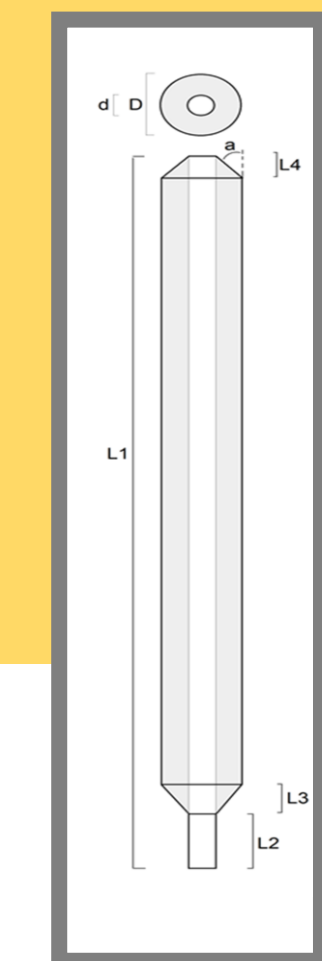
It is necessary to do multiple tests so we need Laboratory equipment and test machines.

It is also important to know the exact specifications of the powders used in the formula., if there is no information of the exact specifications of the raw material, it is not possible to produce high quality product. In addition to this knowledge, the proper production instruction is essential due to achieve the considerable result.

WESPEC team with this knowledge and years of experience, eliminates the need for you to perform the above steps to achieve a quality products.

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FORMULA OF DRY & WET MIX AND BAKING CONDITION																																																				
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RAW MATERIAL SPECIFICATIONS

NAME OF POWDER	CHEMICAL FORMULA	IUPAC NAME

CHEMICAL ANALYSIS

Element or component	MAX	MIN	TYPICAL

OTHER PARAMETERS

OTHER PARAMETERS	MAX	MIN	TYPICAL
DENSITY			
BULK DENSITY			
LOI			
ASH			
HUMIDITY			
...			

GRAIN SIZE

MICRON	MESH	RCU%

GRAIN SIZE GRAPH

The graph is a square plot with 'RCU%' on the y-axis and 'MICRON' on the x-axis. The y-axis has major tick marks every 10 units from 0 to 100. The x-axis has major tick marks at 0, 10, 20, 30, 40, 50, 60, 80, 100. A secondary x-axis at the top is labeled 'MESH' with values 100, 200, 300, 400, 500, 600, 800, 1000. Arrows on both axes point in the direction of increasing values.

Ready Mixed Flux

Our knowledge to identify the best sources of raw materials and high quality formulation leads to providing quality ready mixed fluxes for our customers.

Knowing the best mines around the world and the companies that process these minerals correctly is very important in supplying raw materials to produce welding consumables. It is also important to identify the best manufacturers of synthetic materials whose products are of good quality and price.

By providing ready mixed fluxes, in addition to ensuring the quality of your final product, you can have our advice and support with you in all stages of production.





WELDING CONSUMABLES

WESPEC team will accompany you to produce a quality product as following:

- Covered Electrodes
- Submerged Arc Welding Flux
- Submerged Arc Welding Wire
- Flux Cored Arc Welding Wire
- Gas Metal Arc Welding Wire
- Gas Tungsten Arc Welding Wire
- Cutting Wheel
- Grinding and Abrasive Wheel

Covered Electrodes

We can provide you the best quality product of covered Electrodes in the classified as bellow :

- Stainless steel Electrodes
- Basic Electrodes
- Cellulosic Electrodes
- Hard facing Application Electrodes
- Electrodes For Cast Iron
- Nickel Base alloy Electrodes
- Low Alloy Steel Electrodes
- Rutile Electrodes
- Aluminum and Bronze Electrodes
- Gouging and Cutting Electrodes
- High Metal Deposit Electrodes



SINGLE & DOUBLE COATED ELECTRODES

SAW FLUXES

In all the arc welding processes, only submerged arc welding uses two completely separate components.

WESPEC has a variety of submerged arc welding flux and wire designed to be paired together to meet any industry specific welding requirement.

SAW FLUXES FOR:

- Structural and Pipe Welding
- Austenitic Stainless Steels
- Back Welding
- Hard facing Applications



ALL TYPES OF AGGLOMERATED AND FUSED FLUXES

FLUX CORED ARC WELDING WIRE

Flux Cored Arc Welding Wire :

- Mild Steel
- Low Alloy Steel
- Pipe Line
- Stainless Steel
- Nickel Base Alloy
- Hard Facing
- Cobalt Base Alloy



Self-Shield & Gas-Shield

WELDING WIRE

We can provide you the best quality product of welding wire. These products are classified according to various standards, and each requires different tests to confirm their quality.

- Low Alloy Steel
- Medium & High Alloy Steel
- Stainless Steel
- Nickel Base Alloy
- Cobalt Base Alloy
- Hard Facing Application



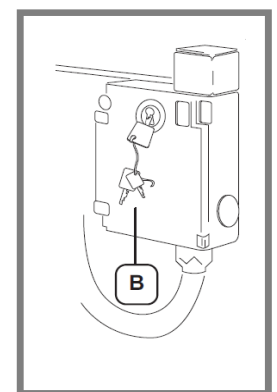
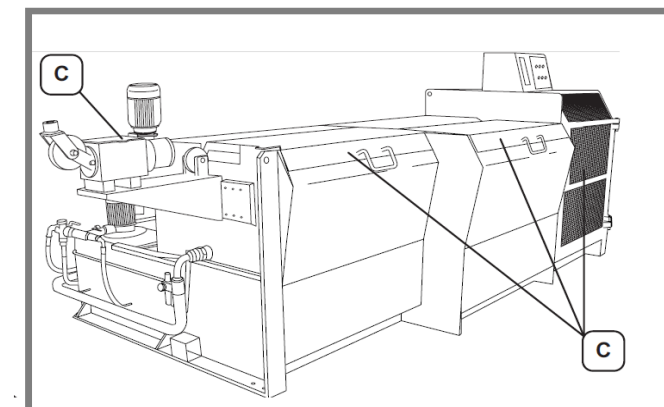
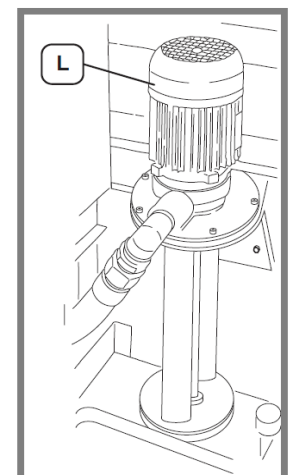
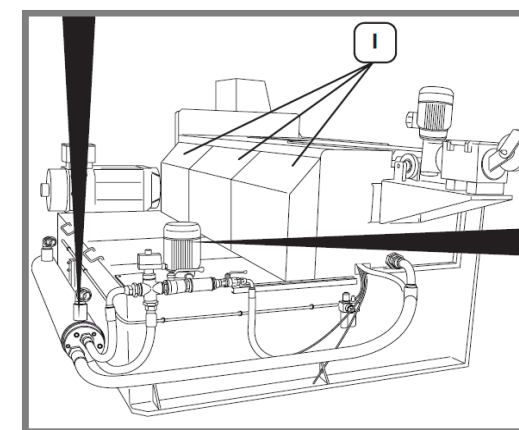
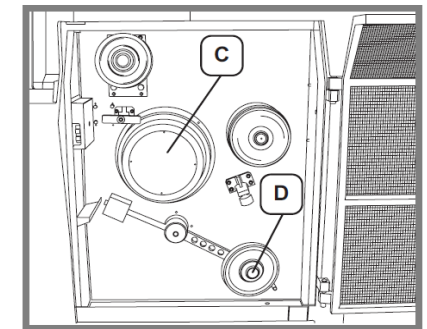
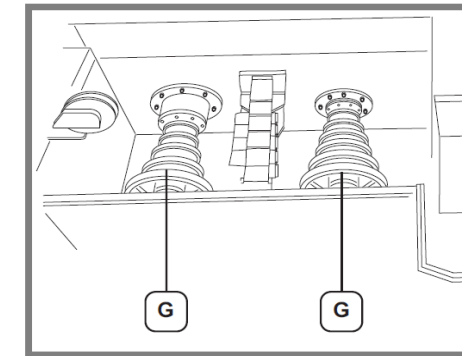
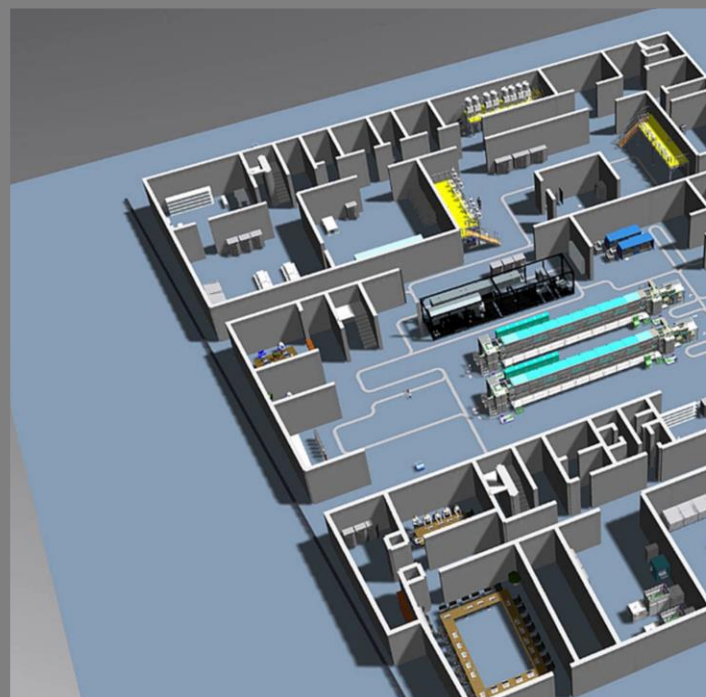
GMAW & GTAW & SAW WIRES

PRODUCTION INSTRUCTION

Step-by-step instructions are of vital importance for all stages of mass production, from how to manufacture parts to completing the final assembly process, it is still a challenge to get those work instructions to the site of the manufacturing.

The manufacturing work instruction solution provided by WESPEC allows companies to control the information related to their specific products, processes, resources and plants in a managed environment.

- Feasibility Studies
- planning
- Simulation
- Manufacturing Production



Quality Management System by WESPEC

Implementing a quality management system is as much an art as it is a science .it takes a data, but it also requires the ability to engage people
It takes methodological approach, but it also requires creativity.

WESPEC, implementing and consulting with organizations of all sizes, offer an expert perspective on successfully implementing a new quality management system.

- Getting Started
- Documentation Development
- ISO Implementation & Training
- Internal Audits
- ISO 9001 Certification

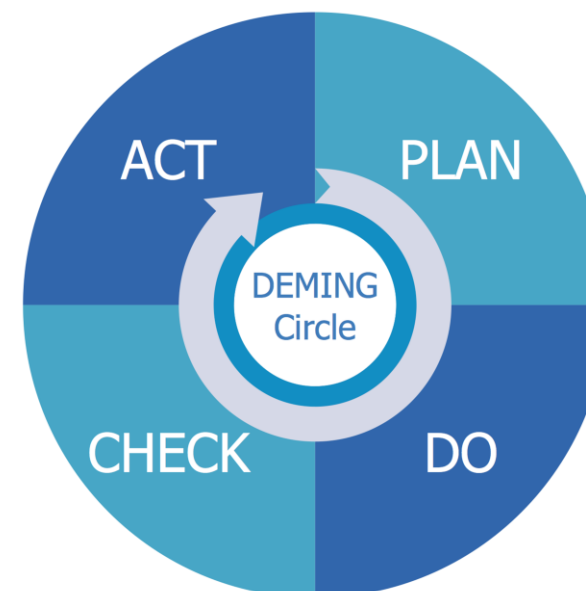
WESPEC ISO WAY

WESPEC SPECIAL METHOD

WESPEC SOFTWARE



WESPEC DOCUMENTS



LIST OF OUR WELDING CONSUMABLES

Welding Electrodes

Stainless Steel Electrodes

AWS A5.4	EN1600	DIN 8556	AWS A5.4	EN1600	DIN 8556
E 410-15	E Z 13 1 B 22	E 13 1 B20+	E 312-16	E 29 9 R 12	E 29 9 R 26
E 410Ni Mo-15	-	E 13 4 B20+	E 308 L-16	E 19 9L R 12	E 19 9 R 26
E 310 - 15 (MOD)	E 25 20 B 42	E 25 20 B 20+	E 316 L-16	E 19 12 3 L R 12	E 19 12 3 L R 26
E 2209L-16	E 22 9 3 N L R 12	-	E 309 L-17	E 23 12 L R 12	E 23 12 L R 23
E 308 L-15	E 19 9L B 42	E 19 9L B 20+	E 309 MoL-17	E 23 12 2 L R 12	E 23 12 2L R 12
E 316 L-15	-	-	E 310-16	-	E 25 20 R 26
E 309 L-15	E 2312 L B 42	E 2312 L B 20+	E 308 L-17	E 19 9L R 12	E 19 9 L R 23
E 347-15	-	E 19 9 Nb B 20+	E 316 L-17	E 19 12 3 L R 12	E 19 12 3 L R 23
E 347-15	-	E 19 9 Nb B 20+	E 347-17	E 19 9 Nb R 12	E 19 9 Nb R 23
E 347-16	-	E 19 9 Nb R 20+	E 318-17	E 19 12 3 Nb R 12	E 19 12 3 Nb R 23
E 347-16	-	E 19 9 Nb R 20+	E 308 H-1 6	-	E 19 9 R 26
-	-	E Z 16 6 Mo B20	E 308-16	E 19 9 R 12	E 19 9 R 26
E 308 L-16	E 19 9L R 12	E 19 9 R 26	E 307-15(mod)	E 18 8 Mn B 42	E 18 8 Mn B 20
E 308 L-16	E 19 9L R 12	E 19 9 R 26	E 309 Cb-16	-	E 19 12 3 Nb R 26
E 347-16	E 19 9 Nb R 12	+E 19 9 Nb R 20	E 309 L-16	E 23 12 L R 12	E 2312 L R 26
E 318 -16	E19 12 3 Nb R 12	-	E 309 MoL-16	E 23 12 2 L R 12	E 23 13 2 L R 26
E 309-16	E 23 12 R 12	E 23 12 R 26	E 312-16	-	E 29 9 R 26

Low Alloy Steel Electrodes

AWS A5.5	DIN 8529	EN499	AWS A5.5	DIN 8575	EN1599
E 12018-G-H4	E-Y-7955 Mn 2 Ni 1 CrMo B H5	E 89 4 Mn 2 Ni 1 Cr Mo B 42 H5	E 8018-B8-H8	+E CrMo 9 B 20	E CrMo 9B 42 H10
E 8018-G-H4	-	-	E 7016-A1-H8	+E Mo B 20	E Mo B 4 2 H5
E 8018-G-H4	E Y 5076 Mn 1 Ni B H5	E 50 6 Mn 1 Ni B 42 H5	E 9018-B3-H8	+E CrMo 2 B 20	E CrMo 1 B 32 H 10
E 8018-G-H4	E Y 5076 Mn 1 Ni B H5	E 50 6 Mn 1 Ni B 42 H5	E 7018-A1-H8	+E Mo B 20	E Mo B 42 H 10
E 9018-D1&G-H4	E Y 5554 MnMo B H5	E 55 3 MnMo B 4 2 H5	E 8018-B2-H8	+E CrMo 1 B 20	E CrMo 1 B 42 H 10
E 9018-D1-H4	-	-	E 8018-B2-H4R	+E CrMo 1 B 20	E CrMo 1 B 42 H 5
E 10018-G-H4	E Y 6975 Mn 2 NiCrMo B H5	E 69 6 Mn2 NiCrMo B 4 2 H5	E 8018-B3L	+E CrMo 2 B 20	E CrMo 2 B 42 H 10
E 7018-G	E Y 38 65 1 Ni Cu B	E 38 5 Z B 42	E 8018-B6-H8	+E CrMo 5 B 20	E Z CrMo 5 B 42 H 10
E 9018-G-H4	E SY 55 76 Mn 1 Ni Mo B H5	E 55 6 Mn 1 NiMo B 4 2 H5	E 8018-G-H8		
E 7018-G-H4	E SY 42 761 Ni B H5	E 46 61 Ni B 42 H5	E 80 16-B2-H8	+E CrMo 1 B 20	E CrMo 1 B 42 H 10
E 7018-C2L-H4	E Y 4297 3 Ni B H5	-	E 80 18-B2L-H8	+E CrMo 1 B 20	E CrMo 1 B 42 H 10
E 9016-G-H4	ESY 55 76 Mn 1 NiMo B H5	E 55 6 Mn1NiMo B T 4 2 H5	E 90 18- B3L-H8	+E CrMo 2 B 20	E CrMo 2 B 42 H 10
E 8018-W	-	-	E 90 18- B3L-H8	+E CrMo 2 B 20	E CrMo 2 B 42 H 10
E 8018-G	-	-	E 70 18-B2L-H8	E CrMo 1 B 20+	E CrMo 1 B 42 H 10
E 8018-C2-H4	E Y 4687 3Ni B H5	-	E 12018 M-H4	E Y 6955 Mn2Ni1CrMo B H5	E 69 5 Mn2NiCrMo B 4 2 H5
E 8018-C1-H4	E SY 42 87 2 Ni B H5	E 46 62 Ni B 42 H5	E 7016-G-H8	E SY 42 761Ni B	E 46 6 1Ni B 42 H5
E 8018-C3-H4	E SY 4676 1 Ni B H5	E 46 5 1 Ni B 42 H5	E 8016-G-H4	-	-
E 7018-C3L-H4	E Y 4276 1 Ni B H5	E 46 5 1 Ni B 42 H5	E 8016-C1	-	-
E 9018 M-H4	-	-	E 8016-C2	-	-
E 11018-M-H4	E Y 69 75 Mn 2 NiCrMo B H5	E 69 5 Mn2NiCrMo B 4 2 H5	E 8016-C3	-	-
E 8016-C4	-	-	-	-	-

Electrodes for Nickel Alloys

AWS A5.11	DIN 1736	M.Number
E Ni Cr Fe-3	EL-Ni Cr 15 Fe Mn	2.4648
E Ni Cr Fe-2	EL-Ni Cr 15 Fe Nb	2.4805
E Ni Cr Mo-3	EL-Ni Cr 20 Mo9 Nb	2.4621
E Ni Cr Mo-6	-	-
E Ni Cu-7	EL-NiCu30Mn	-

Electrodes for Hard-Facing Application

DIN 8555
E 4-UM-60-65-S
E 6-UM-60
E 10-UM-60R
E 10 -UM-60 R
E1-UM-400
E6-UM-60
E1-UM-300
E1-UM-400-GP
E6-UM-55-GP
E 7-UM-200KP

Cellulosic Electrodes

AWS A5.1	AWS A5.5
E6010	-
-	E7010 -G & A1 & P1
-	E8010- G & A1 & P1
-	E9010- G & A1 & P1

High Deposited Electrodes

AWS A - 5.1	DIN 1913
E 7024	E 51 22 RR 11 160
E 7028-HB	E 51 54 B (R) 12 160

Electrodes for Cast Iron

AWS A5.1	AWS A5.5
Est	-
ENi Cu-B	ENiCu-BG-22
ENi-CI	ENi-BG-22
ENi Fe-CI	ENiFe-1BG-22

Electrodes for Al & Br

AWS A5.3	DIN 1732
E1100	EL-Al 99.5
E4043	EL-Al Si 5
ECu Sn-C	-

Gouging & Cutting Electrodes

Basic Electrodes

AWS A5.1	DIN 1913	EN 499	ISO 2560	DIN 8529
E 7016 – H8	-	E 42 5 B 41 H5	-	E Y 42 55 Mn B H5
E 7018 –1–H4	-	E 42 6 B 42 H 5	-	E SY 42 76 Mn B
E 7018 –1–H4R	-	E 42 6 B 42 H 5	-	E SY 42 76 Mn B
E 7016–1–H8	-	E 42 6 B 42 H5	-	E Y 42 67 Mn B H5
E 6018	-	-	-	-
E 7018–H8	E 51 54 B 10	E 42 3 B 42 H 10	E 423 B 42 H 10	-
E 7018–H4R	E 51 54 B 5	E 42 4 B 42 H 5	E 425 B 42 H 5	-
E 7018–H4	E 51 55 B5	E 42 5 42 H5	E 42 5 B 42 H5	E 51 55 B5
E 7018–H8	E 51 54 B 10	E 42 3 B42 H10	E 42 3 B 42 H 10	E 51 54 B 10
E 7018–H8	E 51 54 B H10	E -42 3 B 42 H 10	E 423 B 42 H 10	E 51 54 B H10
E 7018–H8	E 51 54 B 10	E 42 3 B42 H10	E 42 3 B 42 H 10	-

Rutile Electrodes

AWS A 5.1	DIN 1913	EN 499	ISO 2560
E 7014	-	-	-
E 6019	-	E 38 0 RC 11	-
E 6013	E 43 43 RR (B) 7	E 38 2 RB 12	E 38 2 RB 12
E 6013	E 43 22 R (C) 3	E 380 RC 11	E 380 RC 11
E 6013	E 51 22 RR 6	E 420 RR12	E 380 RR 11
E 6013	E 43 22 R (C) 3	E 380 RC 11	E 380 RC 11
E 6013	E 43 33 R (C) 3	-	E 380 RC 11
E 6013	E 43 22 R (C) 3	-	E 380 RC 11

Double Coated Electrodes

AWS	DIN	EN		AWS	DIN	EN
E8018-C2	NO	EN499 E46 6 3Ni B 42 H5		E9018-G	DIN8575 ECrMo 3 B 20+	EN1599 E Z Cr Mo 3 B 42 H10
E8018-B2	DIN8575 E CrMo 1 B 20 +	EN1599 E CrMo 1 B 42 H10		E9018-B3	DIN8575 E CrMo 2 B 26	EN1599 E CrMo 1 B 32 H10
E8018-G	DIN8529 E Y 50 76 Mn 1 Ni B H5	EN 499 E 50 6 1 Ni B 42 H5		E9015-B3	DIN8575 E Cr Mo2 B20+	EN1599 Ecr Mo 2 B 42 H5
E8018-C1-H4	DIN8529 E SY 42 87 2 Ni B H5	EN 499 E 46 6 2 Ni B 42 H5		E10018-G-H4	DIN8529 EY 69 75 Mn2NiCrMo B H5	EN 757 E69 4 Mn2NiCrMo B 42 H5
E8018-C2	NO	EN499 E46 6 3Ni B 42 H5		E11018-G-H4	DIN8529 EY 69 75 Mn2NiCrMo B H5	EN757 E 69 6 Mn2NiCrMo B 42 H5
E8016-C1	NO	NO		E12018-G	DIN8529 EY 89 53 Mn 2 Ni 1 CrMo B H5	NO
E8016-C2				E7016-1	DIN8529 E SY 42 76 Mn B	EN499 E42 6 B 32 H5
E8016-C3				E7018-G	DIN8529 E Y 38 65 1 NiCu B	EN499 E38 5 Z B 42
SPECIAL1	NO	NO		E7018-A1	DIN8575 E Mo B 20 +	EN1599 E Mo B 42 H 10
SPECIAL2	NO	NO		E7018-1	DIN8529 E SY 42 76 Mn B	EN499 E 42 6 B 42 H5
SPECIAL3	NO	NO		E7016-H8	DIN1913 E51 43 B R 10	EN499 E38 2 B 12 H10
SPECIAL4	NO	NO		E318-15	DIN8556 E 19 12 3 Nb B 42	EN1600 E 19 12 3 Nb B 42
NO	DIN8529 EY 46 54 Mn B	EN499 E46 6 B 34 H10		E347-15	DIN8556 E 19 9 Nb B 20+	EN1600 E 19 9 Nb 42

Submerged Arc Welding Fluxes

Fluxes for General Structural Steels

DIN 32 522	EN 760	AWS/ASME		DIN 32 522	EN 760	AWS/ASME
B AB 1 67 AC 10 M	SA AB 1 67 AC	F7AO-EL12-F7AO-EM12- F7AO-EM12K-F7PO-EM12K-		B AB 167 AC 12MHP5	SA AB 1 67 AC H5	F7A5-EM13K F7P6-EH12K F7A4-EM12K F7A4-EM12 F7P5-EM13K F8A5-EH12K F7P5-EM12K F8A4-EA2 F8P5- EA2
B AB 1 67 AC 12 MHP5	SA AB 1 67 AC H5	F7A4-EM12-F7A4-EM12K- F7P5-EM12K-F7A5-EM13K- F7P5-EM13K-F8A5-EH12K- F7P6-EH12K-F8A4-EA2- F8P4-EA2		B CS 198 AC 12 M	SA CS 1 98 AC	F6AO-EL12 F7A2-EM12 F7P2- EM12
B AB 1 66 AC 12	SA AB 1 66 AC	F7A4-EM13K- F7A4-EM12K- F7P5-EM12K- F7P4-EM13K- F8P5-EA2- F8A4-EA2-		B FB 166 AC 10MHP5	SA FB 1 66 AC H5	F8A2-EB2 F9A8-EF1 F8A8- EH12K F7A5-EM12 F8P2-EB2 F8P8-EF1 F8P8-EH12K F7A5- EM12K F7A5-EM13K F8A8-EA4 F8A8-EH14 F7P5-EM12K F7P5- EM13K F8P8-EA4 F8P8-EH14 F8A4-EA2 F8P5-EA2
B CS 1 88 AC 10M	SA CS 1 88 AC	F7A2-EM12 F7A2-EM12K F7P2-EM12K		B FB 1 55 AC 10MHP5	SA FB 1 55 AC H5	F8A8-EA4 F8A8-EF1 F8A8- EH12K F7A5-EM12 F8P8-EA4 F8A2-EB2 F7P8-EH12K F7A5- EM12K F8P2-EB2 F8A8-EH14 F8A4-EA2 F7A6-EM13K F9A8- EF1 F7P5-EA2 F7P6-EM13K
B FB 1 55 AC 12	SA FB 1 55 AC	F6A2-EM12 F6A2-EM12K F7A2-EM13K F7A2-EA2 F7P2-EA2		B FB 1 65 AC 12MHP 5	SA FB 1 65 AC HP 5	F7P2-EA2 F7A5-EH12K F6A2- EM12 F7P5-EH12K F6A2- EM12K F7A2-EA2 F7A2-EM13K
B AB 1 67 AC 12MHP5	SA AB 1 67 AC H5	F7P6-EH12K F7P5-EM13K F7P5-EM12K F7A4-EM12 F8A4-EA2 F8A5-EH12K F7A5-EM13K F7A4-EM12K F8A4-EA2 F8A5-EH12K F7A5-EM13K F7A4-EM12K		B CS 1 77 AC 10 M	SA CS 1 77AC	F7P2-EM12 F6A0-EL12 F7A2- EM12

DIN 32 522	EN 760	AWS/ASME		DIN 32 522	EN 760	AWS/ASME
B AB 1 67 AC 12 MHP5	SA AB 1 67 AC H5	F7A4-EM12-F7A4-EM12K-F7P5-EM12K-F7A5-EM13K-F7P5-EM13K-F8A5-EH12K-F7P6-EH12K-F8A4-EA2-F8P5-EA2		B AR 1 88 AC 10 SKM	SA AR 1 88 AC	F7AZ-EL12-F7PZ-EM12-F7AZ-EM12-F7AZ-EM12K
B MS 1 89 AC 8 SKM	SA MS 1 89AC	F7A0-EL12 F7A0-EM12		B AR 1 97 AC 10 SKM	SA AR 1 97 AC	F6AZ-EL12-F7AZ-EM12-F7PZ-EM12-F7AZ-EM12K
-	SA MS 1 88AC H5	F7A2-EM12 F7A2-EM12K F7P0-EM12K		B AB 1 67 AC 12MHP5	SA AB 1 67 AC H5	F7A2-EA2 F7A2-EM12 F7P2-EA2 F7A2-EM12K F8A4-EH12K
B AR 1 88 AC 10 SKM	SA AR 1 88 AC	F7AZ-EL12- F7PZ-EM12-F7AZ-EM12- F7AZ-EM12K				

Fluxes for Austenitic Stainless Steels

DIN 32 522	EN 760
B FB 6 55455 AC 8 MHP 5	SA FB 2 55 AC
B FB 5 63745 DC 8 K	SA FB 2 63 DC

Fluxes for Back Welding

DIN EN 760
ACS1

Fluxes for Hard Facing Applications

DIN 32 522	EN 760
B CS 3 97 CCrMo AC 8	SA CS 3 97 AC
B CS 3 97 CCrMo AC 8	SA CS 3 97 AC

Sub-merged Arc Welding Wires

Low Alloy Steel Wires

DIN EN 756	AWS A5.17
S2Mo	EA1
S3Mo	EA2
S4Mo	EA3
S3Ni1Mo	EA4
S2CrMo1	EB2
S1CrMo2	EB3
S2Ni1	EF1
S2Ni2	EF3 & EG

Non Alloy Steel Wires

DIN EN 756	AWS A5.17
S1	EL12
S2	EM12
S2Si	EM12K
S3	EM13K
S3Si	EH12K
S4	EH14

Stainless Steel Wires

DIN EN 756	AWS A5.17
UPX2CrNi199	ER308L
UPX5CrNiNb199	ER347
UPX2CrNiMo1912	ER316L
UPX2CrNiMo1912	ER318

Flux Cored Arc Welding Wires



DIN 8555	AWS A5.20	AWS A 5.18	AWS A 5.29	AWS A 5.28	EN 758	EN 12535
	E71 T1 MJ				T 42 3 PM 1 H5	
	E71 T5 for 1.2 mm E70 T5 for 1.6 mm				T 42 5 B M 1 H5 T 42 5 B C 1 H5	
		E70 C 6M H4				
			E81 T5 G H4		T 46 6 Mn 1 Ni 1 MMH5	
			E81 T5 B2			
			E91 T5 K2			T55 5 1.5NiMo MM1-H5
			E111 T5 K3	E100 C G M H4		T695 Mn2NiMo MM1-H5
MSG 6-40						
MSG 6-55						
MSG 6-60						
MSG 6-55						



MIG /MAG Wires & TIG Rods

Non Alloy MIG/MAG Wires and TIG Rods

AWS A 5.18	M.NO	DIN8559	EN 440
E R70S-3			
E R70S-4			
E R70S-6			
	1.5125	SG 2	G3 Si1
	1.5130	SG 3	G4 Si 1

DIN 8559	M.NO	AWS A-5.18	DIN EN 1668
		ER 70S - 3	
		ER 70S - 4	
		ER 70S - 6	
WSG 2	1.5125		W 3 Si 1

Low Alloy MIG/MAG Wires and TIG Rods

DIN 8575	AWS A -5.28	DIN EN 440
	ER 80S-B2	
	ER 80S-G ER80S-Ni1	
SGMo	ER 70S-A1 (ER 80S -G)	
	ER 100S-G	
	ER 80S-B6	
SG CrMo 2	ER 90S-B3	
	ER 80S-Ni2	G2 Ni2

DIN 8575	DIN EN 1668	AWS A-5.28
		ER 80S-B2
		ER 80S-G ER 80S-Ni1
SGMo		(ER 70S-A1 (ER 80S-G
		ER 100S-G
		ER 80S-B6
SG CrMo 2		ER 90S-B3
	W2 Ni2	ER 80S-Ni2

Nickel Base Alloy MIG/MAG Wires and TIG Rods

DIN 1736	AWS A -5.14
-	ERNiCr - 3
-	ERNiCrMo - 3
SG-NiCu30MnTi	ERNiCu – 7

Stainless Steels MIG/MAG Wires and TIG Rods

AWS A-5.9
ER 308 L
ER 308 L Si
ER 316 L
ER 316 L Si
ER 347
ER 347 Si
ER 309 L
ER 309 L Si
ER 310
ER 318

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