

LINCOLN ELECTRIC



For your safety and to avoid Electrical Shock,
read all safety rules and precautions detailed
throughout your Operator's Manual.

METAL THICKNESS

WELD PROCESS	WIRE TYPE/ ELECTRODE TYPE	WIRE (dia. ELECTRODE (dia. (in.)	24 ga .014 in. 0.030 in. 0.030 in.	22 ga .016 in. 0.030 in. 0.030 in.	20 ga .018 in. 0.030 in. 0.030 in.	18 ga .020 in. 0.030 in. 0.030 in.	16 ga .022 in. 0.030 in. 0.030 in.	14 ga .025 in. 0.030 in. 0.030 in.	12 ga .028 in. 0.030 in. 0.030 in.	10" O.D. (pl.)	3/16"	1/4"
DC+	Steel MIG SUPERARC® L-56® (DC+) 75% Ar / 25% CO ₂	0.025	C/3	C/3	D/4	E/5	F/6	G/7	I/9	-	-	-
		0.030 ¹	-	B/3	C/3	D/4	E/5	F/6	G/8	H/8	J/9 ^{1,2}	-
	Steel MIG SUPERARC® L-56® (DC+) 100% CO ₂	0.025	D/4	E/4	E/4.5	F/5	G/6	H/7	I/9	J/9 ^{1,2}	-	-
		0.030 ¹	-	-	D/3.5	D/5	E/5.5	F/6	G/7	H/8	J/9 ^{1,2}	-
DC-	Steel (GMAW Unshielded 100% Ar) MP (DC-) No Gas	0.030 ¹	-	-	-	B/2.5	B/3	D/4	E/5	G/6 ^{1,2}	H/6 ^{1,2}	J/7 ^{1,2}
		0.035	-	-	-	B/2	B/2	C/2	D/3	F/6	G/7 ^{1,2}	I/8 ^{1,2}
DC+	Aluminum ER5043 (DC+) 100% Argon	0.035	-	-	-	B/2	C/2.5	E/3	G/4.5	I/6	J/10	-
DC+	Steel E6011 / E6013 (DC+)	3/32	-	-	-	E	E	F	G	H	-	-
	Steel E7014 / E7018 (DC+)	3/32	-	-	-	-	G	G	H	I	J	-
DC-	Steel & Stainless Steel (DC-) 100% Argon	1/16	B-C	B-C	B-D	C-D	D-E	E-F	-	-	-	-
		3/32	-	-	-	C-D	D-E	E-F	F-G	H-H	-	-

(1) Connect to 25 amp circuit. (2) Multiple Pass Required. (3) Use .035 groove in drive roll for .030 wire.

Refer to manual for Current and Voltage values.

Visit www.lincolnelectric.com for additional product information.

Mig Mag Welding Guide

Robert R. Redfield

Mig Mag Welding Guide:

Mig Welding Guide K Weman, G Lindén, 2006-04-30 MIG metal inert gas welding also known as gas metal arc welding GMAW is a key joining technology in manufacturing MIG welding guide provides a comprehensive practical and accessible guide to this widely used process Part one discusses the range of technologies used in MIG welding including power sources shielding gases and consumables Fluxed cored arc welding pulsed MIG welding and MIG brazing are also explored Part two reviews quality and safety issues such as improving productivity in MIG MAG welding assessing weld quality health and safety and methods for reducing costs The final part of the book takes a practical look at the applications of MIG welding with chapters dedicated to the welding of steel and aluminium the use of robotics in MIG welding and the application of MIG welding in the automotive industry MIG welding guide is essential reading for welding and production engineers designers and all those involved in manufacturing Provides extensive coverage on gas metal arc welding a key process in industrial manufacturing User friendly in its language and layout Looks at the practical applications of MIG welding

MIG/MAG

Welding Guide for Gas Metal Arc Welding (GMAW). , 1995 *MIG/Mag Welding Guide* , 1997 *The Repair of Vehicle Bodies*, 6th ed Andrew Livesey, A Robinson, 2013-02-11 This book covers the principles and techniques that will help you develop the skills needed to carry out effective vehicle body repair and re finishing This edition has been updated to deal with changes in technology and best practice and meets the current Automotive Skills standards It also covers the topics studied at NVQ levels 2 and 3 and contains handy revision notes making it an ideal text for students on the following courses Automotive Skills Council Vehicle Body and Paint Operations requirements IMI Body Repair and Refinishing Technical Certificates VRQs National Vocational Qualifications NVQs City Guilds Vehicle Body Repair Competence courses NVQ and Progression Awards of both City Guilds and the Institute of the Motor Industry at levels 2 and 3 Professionals and hobbyists will continue to find this an essential manual for the workshop when repairing the latest models or classic cars Other books by Andrew Livesey Basic Motorsport Engineering 9780750689090 Advanced Motorsport Engineering 9780750689083

The Repair of Vehicle Bodies Alan Robinson, Andrew Livesey, 2013 This book covers the principles and techniques that will help you develop the skills needed to carry out effective vehicle body repair and re finishing This edition has been updated to deal with changes in technology and best practice and meets the current Automotive Skills standards It also covers the topics studied at NVQ levels 2 and 3 and contains handy revision notes making it an ideal text for students on the following courses Automotive Skills Council Vehicle Body and Paint Operations requirements IMI Body Repair and Refinishing Technical Certificates VRQs National Vocational Qualifications NVQs City Guilds Vehicle Body Repair Competence courses NVQ and Progression Awards of both City Guilds and the Institute of the Motor Industry at levels 2 and 3 Professionals and hobbyists will continue to find this an essential manual for the workshop when repairing the latest models or classic cars Other books by Andrew Livesey Basic Motorsport Engineering 9780750689090 Advanced Motorsport

Engineering 9780750689083 **The Repair of Vehicle Bodies** Andrew Livesey, Alan Robinson, 2006-08-11 The most comprehensive construction repair and finishing of vehicle bodies text Fully covers the underpinning knowledge needed for the Automotive Skills Council vehicle body and paint operations requirements City and Guilds 3980 Vehicle Body Repair Competence courses and the NVQ and the Progression Awards of both City and Guilds and the Institute of the Motor Industry at levels 2 and 3 Essential reading for all those involved in the trade and insurance assessment as well as for professional vehicle restorers and DIY enthusiasts working on the restoration or adaptation of classic and modern cars

The Basic Guide to MIG and TIG Welding Gianni Elian, 2021-06-21 It is always striking to see a near perfect TIG weld on a finished product A near perfect TIG weld looks like a stack of dimes The evenness and accuracy of the weld bead is an indicator of the skill level of the welder Nevertheless a near perfect MIG weld on a consumer product such as a truck frame shows the efficiency and strength which can be achieved with MIG welding MIG and TIG welding are two of the most common types of welding across many industries in this guide we will be taking through Simple step by step beginners guide to MIG vs TIG let get started way to your engineering work **MIG Welding Aluminum Handbook for Beginners**

Raymond Travis, 2020-11-21 If you'd like to MIG weld aluminum with your wire feed welder this step by step tutorial will show you how If you haven't yet mastered MIG welding mild steel then you probably need to do that before you start aluminum welding with the GMAW MIG process When MIG welding aluminum you use the same gun angle and gas flow rate 20 30 CFH However that's pretty much where the similarities end **Fitter Trade VOLUME-II Solved Papers** YCT Expert Team , 2023 24 ITI Fitter Trade VOLUME II Solved Papers *A Management and Engineer's Guide to MIG Welding Quality, Costs, and Training* Edward F. Craig, 1996 MIG and flux cored weld results achieved with the world's most utilized welding equipment are frequently influenced by weld sales advice This 600 plus page book has been called the MIG bible by some readers It's the most comprehensive book ever written on managing the MIG process The book covers all aspects of controlling both the MIG and flux cored process A MANAGER OR ENGINEER DOES NOT REQUIRE THE ABILITY TO WELD HOWEVER THEY SHOULD HAVE THE FUNDAMENTAL PROCESS KNOWLEDGE OF WHAT MAKES A GOOD MIG OR FLUX CORED WELD WHEN A MANAGER OR ENGINEER UNDERSTANDS HOW SALES INFLUENCE AND HYPE EFFECTS THE WELD SHOP THEY ARE WELL ON THEIR WAY TO WELD PROCESS MANAGEMENT In the MIG Management book you will find Extensive data on MIG gas selection without sales input Over 100 pages on the problems with the pulsed process How to establish effective weld process controls for robot cells How to use special techniques to increase robot weld speeds How to optimize manual and robot weld deposition rates How to control sheet metal welds in automotive plants How to best utilize MIG and flux cored for pipe welds All this along with a unique simple method for controlling weld costs These are just a few of the important topics Without question this is the most practical and comprehensive book you will ever find on managing the MIG process **Official Reference Book and Buyers' Guide** , 1988 **Advances in Manufacturing II** Bartosz

Gapiński, Marek Szostak, Vitalii Ivanov, 2019-05-02 This book covers a variety of topics related to machine manufacturing and concerning machine design product assembly technological aspects of production mechatronics and production maintenance Based on papers presented at the 6th International Scientific Technical Conference MANUFACTURING 2019 held in Poznań Poland on May 19 22 2019 the different chapters reports on cutting edge issues in constructing machine parts mechatronic solutions and modern drives They include new ideas and technologies for machine cutting and precise processing Chipless technologies such as founding plastic forming non metal construction materials and composites and additive techniques alike are also analyzed and thoroughly discussed All in all the book reports on significant scientific contributions in modern manufacturing offering a timely guide for researchers and professionals developing and or using mechanical engineering technologies that have become indispensable for modern manufacturing

Innovative Technologies for Joining

Advanced Materials XI Nicușor-Alin SÎRBU, 2021-06-23 Selected peer reviewed full text papers from the 11th International Conference Innovative Technology for Joining Advanced Materials TIMA 20 Selected peer reviewed papers from the 11th International Conference Innovative Technology for Joining Advanced Materials TIMA 20 November 26 27 2020 Timisoara Romania

Innovative Technologies for Joining Advanced Materials Alin Constantin Murariu, 2014-09-12 Selected peer reviewed papers from the 7th International Conference on Innovative Technologies for Joining Advanced Materials TIMA 14 June 19 20 2014 Timisoara Romania

Machinery Buyers' Guide , 1995

Welder's Handbook Richard

Finch, 2007-02-21 A newly updated state of the art guide to MIG and TIG arc welding technology Written by a noted authority in the field this revised edition of HP's bestselling automotive book for over 20 years is a detailed instructional manual on the theory technique equipment and proper procedures of metal inert gas MIG and tungsten inert gas TIG welding

Guide to Worldwide Maritime Training , 1993

Welding and Metal Fabrication , 1987

Basic TIG & MIG Welding , 1971

Iron and Steel Engineer , 1997

Contains the proceedings of the Association

The Enigmatic Realm of **Mig Mag Welding Guide**: Unleashing the Language is Inner Magic

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