


AIR**MARTIN**




S.p.A.
SPECIALISTI IN AVVITATURA

**PROFESSIONAL
TOOL CATALOG**





ABOUT US

SIRA was founded in 1972, from a spin off from Scaglia Utensili, as an exclusive importer of pneumatic tools for the Italian market.



SPECIALISTI IN AVVITATURA

Currently, our company employs 32 people and occupies an area of approximately 3000 square meters. We specialize in industrial assembly and are dedicated to providing specialized technologies for various assembly and automation needs. Additionally, we offer a wide range of measurement and control tools specifically designed for the fastening processes.

Our key strength lies in the immediate availability of products, spare parts, and our technical support services, including repair assistance. Over 1,200 customers, both Italian and international, choose SIRA as their preferred partner for quality, proposals, and service.



SIRA nasce nel 1972, da una derivazione di Scaglia Utensili, come impresa importatrice in esclusiva di utensileria pneumatica per il mercato italiano.

Oggi l'azienda conta 32 addetti e si sviluppa su una superficie coperta di circa 3000mq. Siamo specializzati nel settore dell'Assemblaggio Industriale e orientati ad offrire tecnologie specialistiche per ogni esigenza di assemblaggio e/o automazione; la proposta è rifinita anche da un'ampia gamma di strumenti di misura e controllo del processo di avvitatura. La nostra forza è la disponibilità pronta di prodotti finiti, di ricambi e del servizio di supporto tecnico e dell'assistenza alle riparazioni. Più di 1200 clienti Italiani e Esteri scelgono SIRA come partner privilegiato per qualità, proposta e servizio.



SIRA a été fondée en 1972, à partir d'une dérivation de Scaglia Utensili, en tant qu'importateur exclusif d'outils pneumatiques pour le marché italien.

Aujourd'hui, l'entreprise compte 32 employés et couvre une superficie couverte d'environ 3000 m2. Nous sommes spécialisés dans le secteur de l'assemblage industriel et sommes orientés vers l'offre de technologies spécialisées pour chaque besoin d'assemblage et/ou d'automatisation ; la proposition est également complétée par une large gamme d'instruments de mesure et de contrôle du processus de vissage. Notre force réside dans la disponibilité immédiate des produits finis, des pièces de rechange et du service d'assistance technique et de réparation. Plus de 1200 clients italiens et étrangers choisissent SIRA comme partenaire privilégié pour la qualité, la proposition et le service.

ABOUT US



SIRA wurde 1972 aus einer Abspaltung von Scaglia Utensili als Exklusivimporteur von Druckluftwerkzeugen für den italienischen Markt gegründet.

Heute beschäftigt das Unternehmen 32 Mitarbeiter und verfügt über eine überdachte Fläche von ca. 3000 m2. Wir sind auf den Bereich der Industriemontage spezialisiert und darauf ausgerichtet, spezialisierte Technologien für jeden Montage- und/oder Automatisierungsbedarf anzubieten; Abgerundet wird das Angebot zudem durch eine breite Palette an Instrumenten zur Messung und Kontrolle des Schraubvorgangs. Unsere Stärke ist die sofortige Verfügbarkeit von Fertigprodukten, Ersatzteilen sowie technischem Support und Reparaturhilfe. Mehr als 1200 italienische und ausländische Kunden wählen SIRA als ihren bevorzugten Partner hinsichtlich Qualität, Angebot und Service.



SIRA fue fundada en 1972, a partir de una derivación de Scaglia Utensili, como importador exclusivo de herramientas neumáticas para el mercado italiano.

Actualmente la empresa cuenta con 32 empleados y ocupa una superficie cubierta de aproximadamente 3000 m2. Estamos especializados en el sector del Montaje Industrial y estamos orientados a ofrecer tecnologías especializadas para cada necesidad de montaje y/o automatización; La propuesta se completa también con una amplia gama de instrumentos para la medición y control del proceso de atornillado. Nuestra fortaleza es la fácil disponibilidad de productos terminados, piezas de repuesto y servicio de soporte técnico y asistencia en reparaciones. Más de 1200 clientes italianos y extranjeros eligen a SIRA como socio preferente por calidad, propuesta y servicio.

THE BIRTH OF AIRMARTIN

A story of family, prowess, and the power of air



Air is the force
that moves
everything.

And I'll put my
name to it

It all began in a small workshop in Northern Italy, where passion, craftsmanship, and innovation came together to create something extraordinary. This is the story of AIRMARTIN, a brand born from the hands and heart of **Uncle Martino**.

Martino was a man of few words, but his hands spoke volumes. A true artisan, he spent his days repairing and perfecting pneumatic tools for local craftsmen. He believed in the unseen power of compressed air, the invisible force that brings tools to life. One day, as he listened to the hiss of air breathing energy into an old screwdriver, he had a revelation:

"Air is the force that moves everything. And I'll put my name to it."

And so, **AIRMARTIN** was born, a name that marries the strength of air (**AIR**) with the dedication and capacity of Martino (**MARTIN**).

But AIRMARTIN is more than just a brand. It's a legacy and a promise etched into every tool: **precision, reliability, and respect for those who work with their hands.**

Today, AIRMARTIN stands for:

- **Tradition:** A brand rooted in a true story of family and passion.
- **Technology:** Pneumatic tools crafted with cutting-edge materials.
- **Reliability:** Built to endure, even in the toughest conditions.
- **Identity:** An Italian name with a vision that spans the globe.

So, when you grab an AIRMARTIN tool, you're not just having a piece of equipment; you're holding a piece of history. A testament to the belief that great work begins with great tools.

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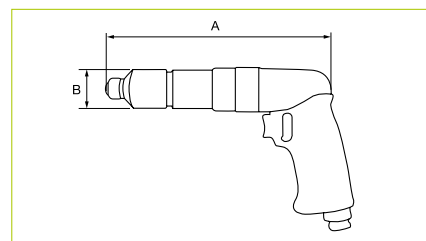
CUTTING TOOLS



p. 30

MS-T561P

TORQUE CONTROL SCREWDRIVER



1/4"

FEATURES

- Reversible
- Adjustable Torque control clutch
- Pistol models can be powered from 3 different positions

Model	MS-T561P-05	MS-T561P-11	MS-T561P-17
 Screw capacity (mm)	6	5	3
 Torque (Nm)	0,2-5,1	0,4-4,5	0,5-2,9
 No-load speed (rpm)	600	1100	1800
 Anvil (")	1/4" Hex	1/4" Hex	1/4" Hex
 Overall length (mm)	220	220	220
 Weight (Kg)	0,9	0,9	0,9
 Air inlet (NPT)	1/4"	1/4"	1/4"
 Inner air hose (mm)	10	10	10
 Air consumption (m ³ /min)	0,11	0,11	0,11

INLET

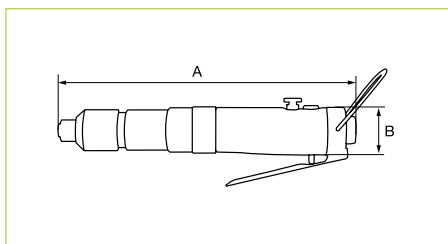


MS-T560S

TORQUE CONTROL SCREWDRIVER



1/4"



FEATURES

- Reversible
- Adjustable torque control clutch

Model	MS-T560S-05	MS-T560S-11	MS-T560S-17
 Screw capacity (mm)	6	5	3
 Torque (Nm)	0,2-5,1	0,4-4,5	0,5-2,9
 No-load speed (rpm)	650	1100	1800
 Anvil (")	1/4" Hex	1/4" Hex	1/4" Hex
 Overall length (mm)	240	240	240
 Body diameter (mm)	37,5	37,5	37,5
 Weight (Kg)	0,7	0,7	0,7
 Air inlet (NPT)	1/4"	1/4"	1/4"
 Inner air hose (mm)	10	10	10
 Air consumption (m ³ /min)	0,11	0,11	0,11

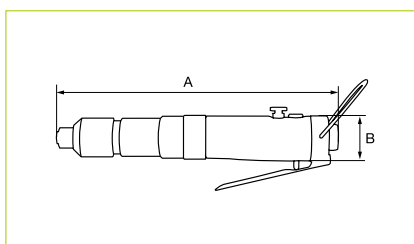
MS/N-AS18 / MS/N-AS08

STRAIGHT CUSCION CLUTCH SCREWDRIVER

1/4"

FEATURES

- External adjustable clutch



Model	MS/N-AS18	MS/N-AS08
 Screw capacity (mm)	4-6	6-8
 Torque (Nm)	3-8	5-11
 No-load speed (rpm)	1800	800
 Anvil (")	1/4" Hex	1/4" Hex
 Overall length (mm)	232	254
 Body diameter (mm)	42	42
 Weight (Kg)	1,40	1,50
 Air inlet (NPT)	1/4"	1/4"
 Inner air hose (mm)	10	10
 Air consumption (m ³ /min)	0,4	0,4

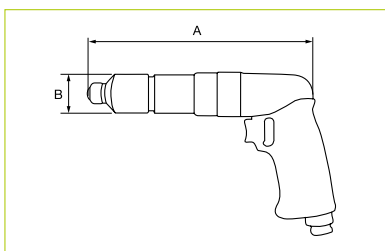
MS/N-AP18 / MS/N-AP08

PISTOL CUSCION CLUTCH SCREWDRIVER

1/4"

FEATURES

- External adjustable clutch



Model	MS/N-AP18	MS/N-AP08
 Screw capacity (mm)	4-6	6-8
 Torque (Nm)	3-8	5-11
 No-load speed (rpm)	1800	800
 Anvil (")	1/4" Hex	1/4" Hex
 Overall length (mm)	185	204
 Head height (mm)	42	42
 Weight (Kg)	1,40	1,50
 Air inlet (NPT)	1/4"	1/4"
 Inner air hose (mm)	10	10
 Air consumption (m ³ /min)	0,4	0,4

MR-5014V1 / MR-5038V1

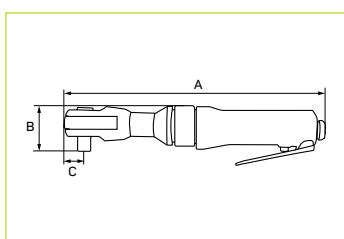
RATCHET WRENCH

1/4"

3/8"

FEATURES

- Ratchet mechanism



Model	MR-5014V1	MR-5038V1
 Bolt capacity (mm)	10	10
 Torque (Nm)	34	34
 No-load speed (rpm)	280	280
 Overall length (mm)	170	170
 Head height (mm)	30	30
 Center-to-outside dimension (mm)	12,5	12,5
 Weight (Kg)	0,53	0,53
 Socket drive (in)	1/4"	3/8"
 Air inlet (NPT)	1/4"	1/4"
 Inner air hose (mm)	10	10
 Air consumption (m ³ /min)	0,06	0,06

MR-5012V1

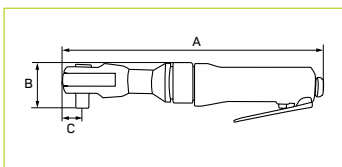
RATCHET WRENCH



1/2"

FEATURES

- Ratchet mechanism



Model

MR-5012V1



Bolt capacity (mm) 13



Torque (Nm) 95



No-load speed (rpm) 160



Overall length (mm) 293



Head height (mm) 47



Center-to-outside dimension (mm) 22



Weight (Kg) 1,20



Socket drive (in) 1/2"



Air inlet (NPT) 1/4"



Inner air hose (mm) 10



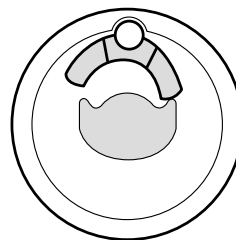
Air consumption (m³/min) 0,07

Type of mechanism

SWING HAMMER

- Powerful and durable impact mechanism

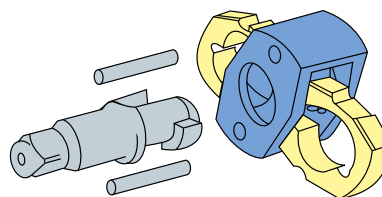
SWING HAMMER



TWIN HAMMER

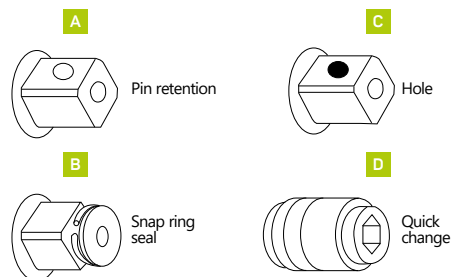
- Heavy-duty use

TWIN HAMMER



Anvil type

- A) Pin retention
- B) Snap ring retention
- C) Through hole retention
- D) Quick change retention



MW-4122C1

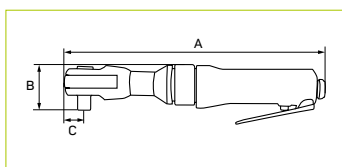
ANGLE WRENCH



1/2"

FEATURES

- In-line impact mechanism and motor without bevel gears



Model

MW-4122C1

	Bolt capacity (mm)	14
	Torque (Nm)	390
	No-load speed (rpm)	8500
	Overall length (mm)	244
	Head height (mm)	88
	Center-to-outside dimension (mm)	30,5
	Weight (Kg)	1,3
	Socket drive (in)	1/2"
	Air inlet (NPT)	1/4"
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,12

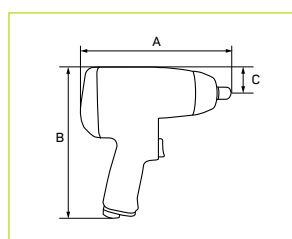
MW-5140V1

1/4" SQ MINI IMPACT WRENCH

1/4"

FEATURES

- Mini Impact wrench



Model

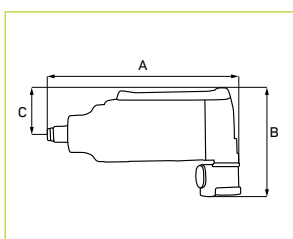
MW-5140V1

	Mechanism	twin hammer
	Anvil type	B
	Bolt capacity (mm)	8
	Torque (Nm)	45
	No-load speed (rpm)	10.000
	Overall length (mm)	118
	Height (mm)	160
	Center-to-outside dimension (mm)	19,5
	Weight (Kg)	0,88
	Square drive (in)	1/4"
	Inner air hose (mm)	8
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,06

MW-6380S1

3/8" BUTTERFLY AIR WRENCH

3/8"



MW-5388V2

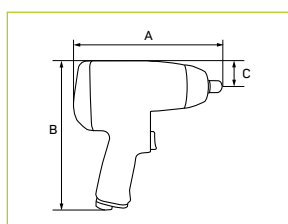
3/8" IMPACT WRENCH

3/8"



FEATURES

- Light weight composite main body



Model	MW-6380S1	
	Mechanism	swing-hammer
	Anvil type	B
	Bolt capacity (mm)	10
	Torque (Nm)	102
	No-load speed (rpm)	11.000
	Overall length (mm)	151
	Head height (mm)	83
	Center-to-outside dimension (mm)	30
	Weight (Kg)	0,81
	Square drive (in)	3/8"
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,06

Model	MW-5388V2	
	Mechanism	twin hammer
	Anvil type	B
	Bolt capacity (mm)	14
	Torque (Nm)	448
	No-load speed (rpm)	10.000
	Overall length (mm)	166
	Height (mm)	180
	Center-to-outside dimension (mm)	28,5
	Weight (Kg)	1,15
	Square drive (in)	3/8"
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,12

MW-6120V1K

1/2" IMPACT WRENCH

1/2"

FEATURES

- Supplied with socket kit



Model

MW-6120V1K

	Mechanism	twin hammer
	Anvil type	B
	Bolt capacity (mm)	16
	Torque (Nm)	460
	No-load speed (rpm)	8300
	Overall length (mm)	185
	Height (mm)	190
	Center-to-outside dimension (mm)	33
	Weight (Kg)	2,5
	Square drive (in)	1/2"
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m³/min)	0,12

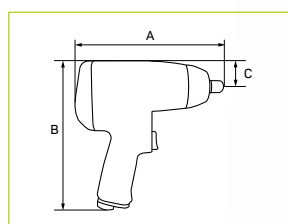
MW-4121V2

1/2" IMPACT WRENCH

1/2"

FEATURES

- Strong compact impact wrench



Model

MW-4121V2

	Mechanism	jumbo hammer
	Anvil type	B
	Bolt capacity (mm)	16
	Torque (Nm)	680
	No-load speed (rpm)	10.000
	Overall length (mm)	108,5
	Height (mm)	175
	Center-to-outside dimension (mm)	24
	Weight (Kg)	1,30
	Square drive (in)	1/2"
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m³/min)	0,13

MWX-128S

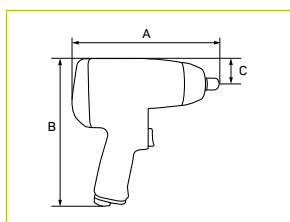
1/2" WRENCH

1/2"



FEATURES

- High Torque Impact mechanism



MWX-129PX

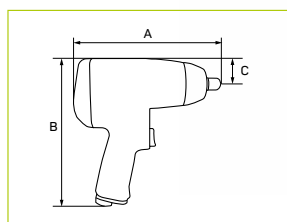
1/2" WRENCH

1/2"



FEATURES

- Extreme torque power output



Model

MWX-128S

	Mechanism	twin hammer
	Anvil type	B
	Bolt shank capacity (mm)	16
	Torque (Nm)	1085
	No-load speed (rpm)	7300
	Overall length (mm)	175
	Height (mm)	190
	Center-to-outside dimension (mm)	33
	Weight (Kg)	1,99
	Square drive (in)	1/2"
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,25

Model

MWX-129PX

	Mechanism	twin hammer
	Anvil type	B
	Bolt capacity (mm)	16
	Torque (Nm)	1300
	No-load speed (rpm)	8600
	Overall length (mm)	179
	Height (mm)	190
	Center-to-outside dimension (mm)	36
	Weight (Kg)	2,16
	Square drive (in)	1/2"
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,16

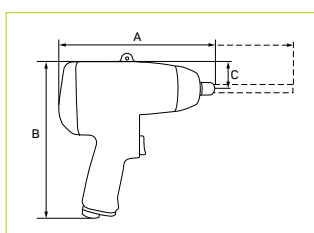
MW-5345V1 / MW-5345V1L

3/4" WRENCH

3/4"

FEATURES

- Magnesium alloy tool body



Model	MW-5345V1	MW-5345V1L*
 Mechanism	twin hammer	twin hammer
 Anvil type	B	B
 Bolt capacity (mm)	30	30
 Torque (Nm)	1490	1490
 No-load speed (rpm)	5500	5500
 Overall length (mm)	227	385
 Height (mm)	240	240
 Center-to-outside dimension (mm)	49,5	49,5
 Weight (Kg)	5,15	6
 Square drive (in)	3/4"	3/4"
 Inner air hose (mm)	13	13
 Air inlet (NPT)	3/8"	3/8"
 Air consumption (m ³ /min)	0,21	0,21

*L=6" extended long anvil

MW-5348V2

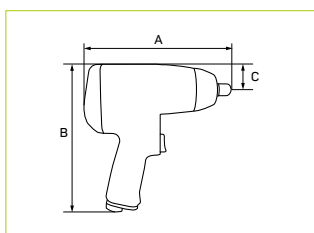
3/4" WRENCH

1/4"



FEATURES

- Light wheight composite body



Model

MW-5348V2



Mechanism

twin hammer



Anvil type

B



Bolt capacity (mm)

32



Torque (Nm)

1620



No-load speed (rpm)

5100



Overall length (mm)

219



Height (mm)

210



Center-to-outside dimension (mm)

41



Weight (Kg)

3,12



Square drive (in)

1/4"



Inner air hose (mm)

13



Air inlet (NPT)

3/8"



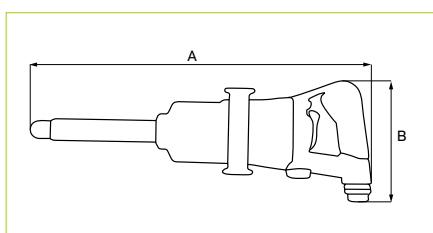
Air consumption (m³/min)

0,15

MW-5108S1 / MW-5108S1L

1" STRAIGHT IMPACT WRENCH

1"



FEATURES

- High power
- Ideal for trucks, construction machinery, buses

Model	MW-5108S1	MW-5108S1L*
 Mechanism	twin hammer	twin hammer
 Anvil type	B	B
 Bolt capacity (mm)	38	38
 Torque (Nm)	2700	2700
 No-load speed (rpm)	6500	6500
 Overall length (mm)	350	504
 Height (mm)	155	155
 Weight (Kg)	7,8	8,1
 Square drive (in)	1"	1"
 Inner air hose (mm)	13	13
 Air inlet (NPT)	3/8"	3/8"
 Air consumption (m ³ /min)	0,60	0,60

*L=6" extended long anvil

MBS-2520V1

BELT SANDER

20
mm



FEATURES

- High material removal rate
- Quick front roller replacement
- Quick belt change
- Service wrenches included on board

Model	MBS-2520V1	
	Belt size (mm)	520x20
	No-load speed (rpm)	10.000
	Overall length (mm)	363
	Arm length (mm)	210
	Weight (Kg)	1,50
	Power (W)	600
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,50

MBS-1330V1

BELT SANDER

10
mm



FEATURES

- High material removal rate
- Quick front roller replacement
- Quick belt change
- Service wrenches included on board

Model	MBS-1330V1	
	Belt size (mm)	330x10
	No-load speed (rpm)	18.000
	Overall length (mm)	295
	Arm length (mm)	140
	Weight (Kg)	0,82
	Power (W)	423
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,20

SERVICE KEYS ON BOARD



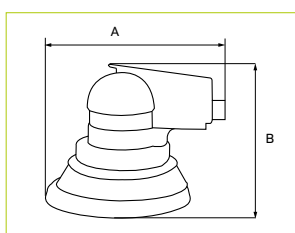
QUICK CHANGE



MPS-6525C1

RANDOM ORBITAL SANDER

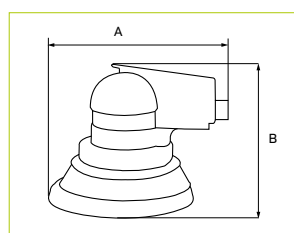
2,5
mm



MPS-6550C2P

RANDOM ORBITAL SANDER

5
mm



Model

MPS-6525C1

	Pad diameter (mm)	150
	No-load speed (rpm)	12.000
	Overall length (mm)	215
	Height (mm)	100
	Weight (Kg)	0,71
	Power (W)	190
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,1
	Air inlet (NPT)	1/4"
	Orbit diameter (mm)	2,5

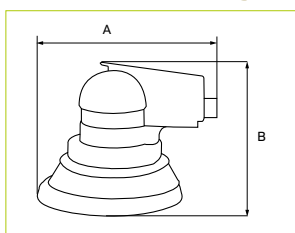
Model

MPS-6550C2P

	Pad diameter (mm)	150
	No-load speed (rpm)	12.000
	Overall length (mm)	215
	Height (mm)	104
	Weight (Kg)	0,94
	Power (W)	254
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,1
	Air inlet (NPT)	1/4"
	Orbit diameter (mm)	5

MOS-6333C1

ORBITAL SANDER



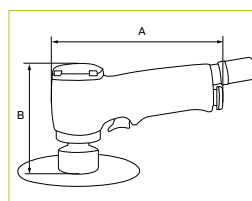
Model MOS-6333C1

	Pad diameter (mm)	144x100*
	No-load speed (rpm)	10.000
	Overall length (mm)	245
	Height (mm)	105
	Weight (Kg)	0,77
	Power (W)	170
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,07
	Air inlet (NPT)	1/4"
	Orbit diameter (mm)	2,5

* The MOS-6333C1 model is supplied with backing pad
Cod. PAD3-6333 included

MSS-514R

HIGH-SPEED SANDER



Model MSS-514R

	Pad diameter (mm)	75/125/150
	No-load speed (rpm)	14.000
	Overall length (mm)	155
	Height (mm)	130
	Weight (Kg)	1,36
	Power (W)	-
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,11
	Air inlet (NPT)	1/4"

MG-25

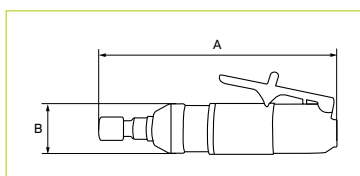
DIE GRINDER

6
mm



FEATURES

- Steel body



MG-25L

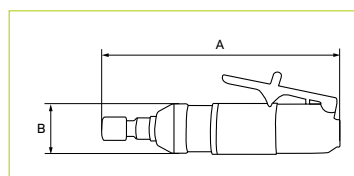
DIE GRINDER

6
mm



FEATURES

- Steel body



Model	MG-25	
	Collet diameter (mm)	6
	No-load speed (rpm)	25.000
	Overall length (mm)	164
	Head height (mm)	36,5
	Weight (Kg)	0,57
	Power (W)	315
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,30
	Air inlet (NPT)	1/4"
	Anvil type	3/8"-24UNF

Model	MG-25L	
	Collet diameter (mm)	6
	No-load speed (rpm)	25.000
	Overall length (mm)	330
	Head height (mm)	36,5
	Weight (Kg)	0,92
	Power (W)	315
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,30
	Air inlet (NPT)	1/4"
	Anvil type	3/8"-24UNF

MG-45

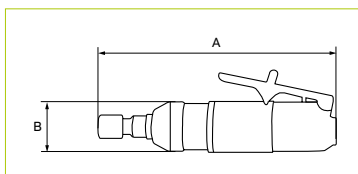
HIGH-POWER STRAIGHT GRINDER

6 or 8



FEATURES

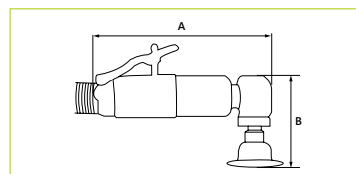
- Steel body
- 6 mm collet mounted
- 8 mm collet included
- Rotation direction: clockwise



MG-522AR

ANGLE GRINDER

6



Model

MG-45

	Collet capacity (mm)	6 or 8
	No-load speed (rpm)	18.000
	Overall length (mm)	306
	Diameter (mm)	50
	Weight (Kg)	1,39
	Power (W)	600
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,6
	Air inlet (NPT)	1/4"

Model

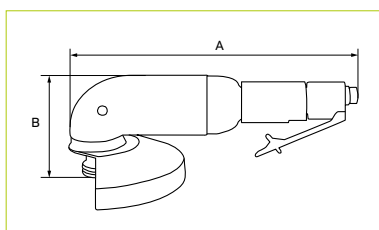
MG-522AR

	Collet diameter (mm)	6
	No-load speed (rpm)	22.000
	Overall length (mm)	159
	Height (mm)	87
	Weight (Kg)	0,56
	Power (W)	185
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,11
	Air inlet (NPT)	1/4"
	Anvil type	3/8"-24UNF

MVG-5 / MVG-5B

ANGLE GRINDER

5"



Model	MVG-5	MVG-5B
 Grinding wheel diameter (mm)	125	125
 No-load speed (rpm)	11.000	11.000
 Overall length (mm)	225	225
 Head height (mm)	90	90
 Weight (Kg)	1,44	1,44
 Power (W)	625	625
 Inner air hose (mm)	10	10
 Air consumption (m ³ /min)	0,65	0,65
 Air inlet (NPT)	1/4"	1/4"
 Spindle type	-	M14/2

MDC-951VR

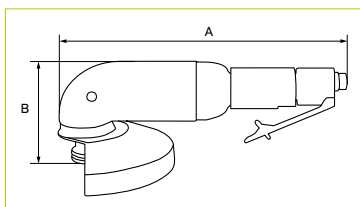
ANGLE GRINDER

5"



FEATURES

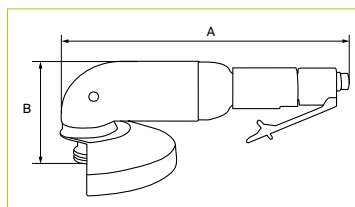
- Coaxial rear exhaust



MVGN-7B

ANGLE GRINDER

7"



Model

MDC-951VR

	Grinding wheel diameter (mm)	125
	No-load speed (rpm)	12.000
	Overall length (mm)	237
	Head height (mm)	90
	Weight (Kg)	1,87
	Power (W)	1850
	Inner air hose (mm)	13
	Air consumption (m ³ /min)	1,5
	Air inlet (NPT)	3/8"
	Spindle type	M14/2

Model

MVGN-7B

	Grinding wheel diameter (mm)	180
	No-load speed (rpm)	7600
	Overall length (mm)	326
	Head height (mm)	120
	Weight (Kg)	3,52
	Power (W)	1103
	Inner air hose (mm)	13
	Air consumption (m ³ /min)	1,10
	Air inlet (NPT)	3/8"
	Spindle type	-

MSM-5G321V

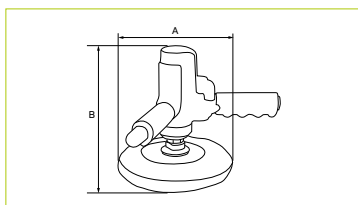
VERTICAL GRINDER

7"



FEATURES

- High removal power (3.0 HP)
- Built-in speed stabilizer
- Side exhaust



Model

MSM-5G321V

	Grinding wheel diameter (mm)	180
	No-load speed (rpm)	6000
	Overall length (mm)	291
	Height (mm)	198
	Weight (Kg)	4,4
	Power (W)	2240
	Inner air hose (mm)	15
	Air inlet (NPT)	1/2"
	Air consumption (m³/min)	0,8

Sanding pad

BTOB386V9YT10



- Sanding pad diam 150mm
- 8+1 holes

MK65502-323



- Universal backing pad diam 150mm
- 65 holes

BACKING PADS FOR MOS-6333C1 (ON REQUEST)



PA-70/197-B8
70x197 mm



PA-75/110H4
75x110 mm



PA-81/133H8
81x133 mm



PA-81/133H44
81x133 mm



PA-100/148H7
100x148 mm



PA-115/115H8
115x115 mm

MD-514R1A

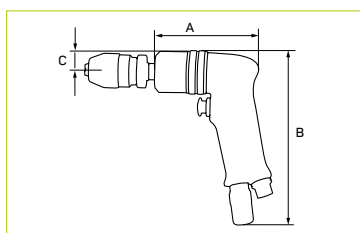
DRILL

6 mm



FEATURES

- Reversible
- Chuck included



MD-538R1B

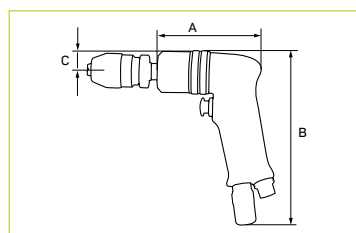
DRILL

10 mm



FEATURES

- Reversible
- Chuck included



Model

MD-514R1A

	Capacity (mm)	6
	No-load speed (rpm)	2600
	Chuck type	keyless
	Anvil type	3/8"-24UNF
	Overall length (mm)	148
	Head height (mm)	145
	Center-to-outside dimension (mm)	21
	Weight (Kg)	0,66
	Air inlet (NPT)	1/4"
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,11

Model

MD-538R1B

	Capacity (mm)	10
	No-load speed (rpm)	1800
	Chuck type	keyless
	Anvil type	3/8"-24UNF
	Overall length (mm)	202
	Head height (mm)	165
	Center-to-outside dimension (mm)	24,5
	Weight (Kg)	1,3
	Air inlet (NPT)	1/4"
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,11

MD-512R1B

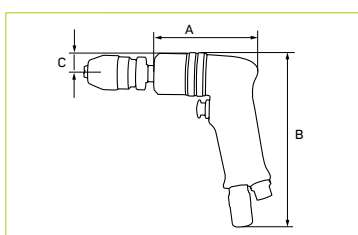
DRILL

13
mm



FEATURES

- Reversible
- Chuck included



Model

MD-512R1B

	Capacity (mm)	13
	No-load speed (rpm)	800
	Chuck type	keyless
	Anvil type	3/8"-24UNF
	Overall length (mm)	227
	Head height (mm)	160
	Center-to-outside dimension (mm)	23,5
	Weight (Kg)	1,4
	Air inlet (NPT)	1/4"
	Inner air hose (mm)	10
	Air consumption (m ³ /min)	0,11

MD-538CR1A

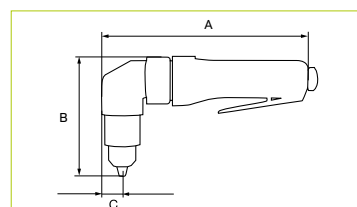
ANGLE DRILL

10
mm



FEATURES

- Chuck included



Model

MD-538CR1A

	Capacity (mm)	10
	No-load speed (rpm)	1200
	Chuck type	keyless
	Anvil type	3/8"-24UNF
	Overall length (mm)	203
	Head height (mm)	100
	Center-to-outside dimension (mm)	25,5
	Weight (Kg)	1,1
	Air inlet (NPT)	1/4"
	Inner air hose (mm)	8
	Air consumption (m ³ /min)	0,11

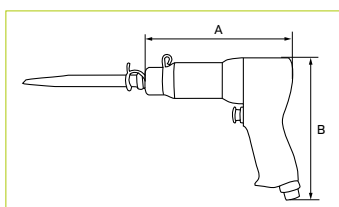
MH-5670H1

CHISEL HAMMER



FEATURES

- Low vibration
- Supplied with chisels, retaining spring, quick-release retainer system, and carrying case



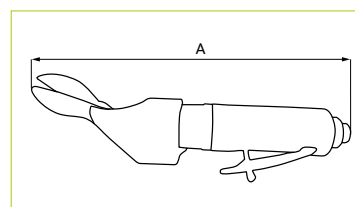
MSC-12416V1

PNEUMATIC SHEAR



FEATURES

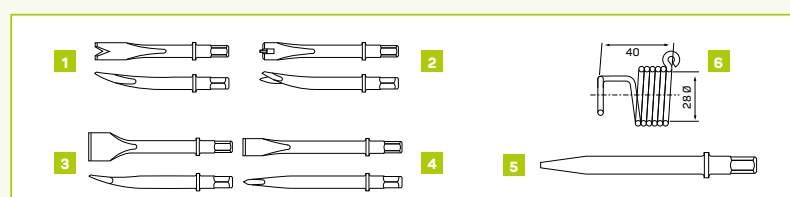
- Continuous cutting
- Ideal for insulating material, sheet metal, and aluminum sheets



Model	MH-5670H1	
	Blows per minute (bpm)	3357
	Stroke (mm)	67
	Tool fitting (mm)	Hex 10.2
	Overall length (mm)	260
	Height (mm)	185
	Weight (Kg)	1,73
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m³/min)	0,08

Model	MSC-12416V1	
	Cutting capacity (mm)	Al 1,6 Fe 1,2
	No-load speed (rpm)	2600
	Power (W)	33
	Length (mm)	240
	Weight (Kg)	1,05
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m³/min)	0,1

Chisel



MSW-510K2

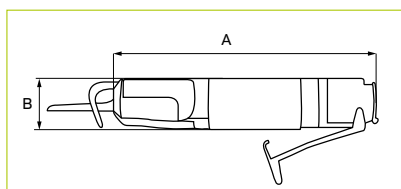
SAW

10
mm



FEATURES

- Low vibrations
- Supplied with 1 blade



Model MSW-510K2

	Blows per minute (bpm)	9000
	Stroke (mm)	10
	Weight (Kg)	0,65
	Overall length (mm)	245
	Height (mm)	45
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,17

MC-503R

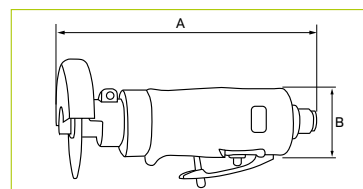
DISC CUTTER

3"



FEATURES

- Reversible
- Supplied with cutting discs, safety glasses, and carrying case



Model MC-503R

	No-load speed (rpm)	18.000
	Cutting disc diameter (mm)	76 (3")
	Weight (Kg)	0,9
	Overall length (mm)	195
	Height (mm)	41
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,11

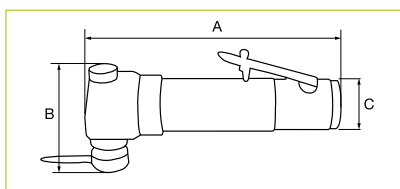
MC-520K2

GLASS SCRAPER



FEATURES

- Supplied with 1 straight blade



SIRA OIL

PNEUMATIC TOOL OIL



Model	MC-520K2	
	No-load speed (rpm)	20.000
	Weight (Kg)	1,2
	Overall length (mm)	210
	Head height (mm)	77
	Dimension (mm)	47,5
	Inner air hose (mm)	10
	Air inlet (NPT)	1/4"
	Air consumption (m ³ /min)	0,20

Model	SIRA OIL	
	Capacity (L)	1

Accessories for MC-520K (on request)

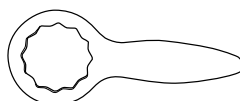
stepped blade



nail blade



straight blade



CODE	DESCRIPTION
U-24	nail blade
G-57	stepped blade
BA-073F	straight blade

NOTE

The practical guide to threaded fasteners & tightening techniques

Why threaded fasteners?

They're simple, cheap, and reversible. Welding, riveting, or adhesives have their place, but screws and bolts dominate because:

- Disassembly: Maintenance and repairs are easier.
- Adjustability: Torque can be fine-tuned.
- Cost: Standardized parts keep prices low.

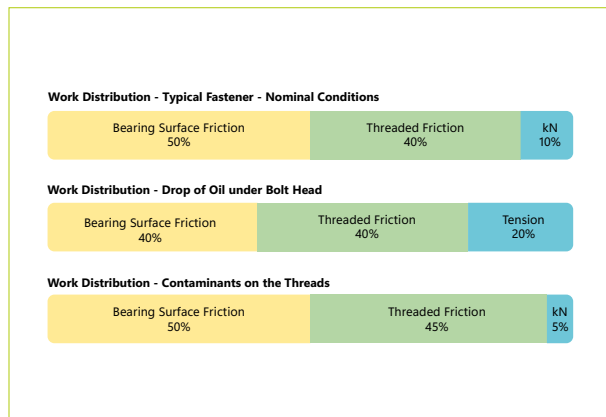
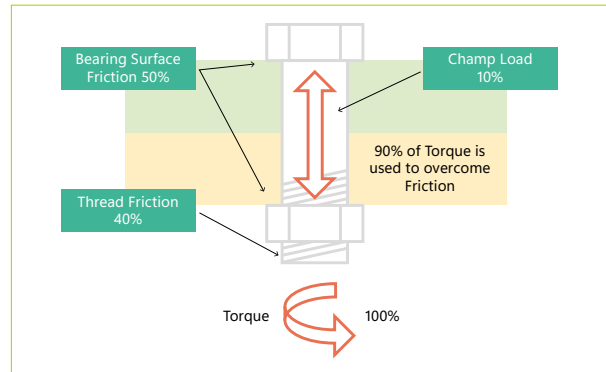
Rule of Thumb: If you need strength + disassembly, use bolts. If permanence is key, weld or rivet.

The screw joint: Forces at play

A bolt isn't just "tightened"—it's engineered to handle:

- Tensile Load: The clamping force holding joints together.
- Shear Load: Sideways force (friction should resist this; if not, the bolt snaps).
- Torsion: Twisting force from friction in threads.

Critical Insight: Only 10% of applied torque becomes clamping force. The rest is lost to friction (40% in threads, 50% under the head).



Torque vs. clamping force: The lubrication wildcard

Lubrication reduces friction, so the same torque creates higher clamping force. Dry threads? You'll under-tighten.

Bolt/Nut Material	Friction Coefficient (Dry)	Friction Coefficient (Oiled)
Untreated Steel	0.18–0.35	0.14–0.26
Zinc-Plated	0.11–0.36	0.11–0.20
Phosphated	0.25–0.40	0.17–0.30

Actionable Tip: Always specify lubrication (or lack thereof) in torque specs. A dry zinc-plated bolt needs 30% more torque than an oiled one to achieve the same clamp.

Bolt grades: decoding the Numbers

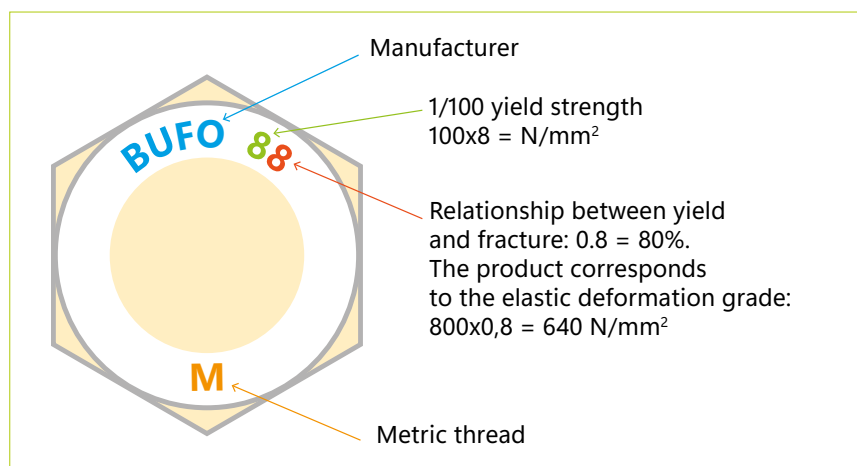
A Grade 8.8 bolt isn't "better" than a 5.8 — it's for different jobs.

- First Digit (e.g., 8 in 8.8): Tensile strength in 100 MPa (8 = 800 MPa).
- Second Digit: Yield strength as % of tensile (0.8 = 80%).

Torque values for metric bolts (Excerpt)

Bolt Size	Grade 5.8 (Nm)	Grade 8.8 (Nm)	Grade 10.9 (Nm)
M6	6.1	9.8	14.0
M10	29	47	65
M16	123	197	277

Golden Rule: Never mix grades. A 10.9 bolt over-torqued to 8.8 specs will snap.



Screw/ Bolt type

In addition to the machine screw, the problem of defining the correct torque is further complicated by the great variety of types of screws and bolts that exist. Some examples:



A) Self-drilling. These screws drill and tap their holes, thus eliminating a costly operation.



B) Thread forming self-tapping screw



C) Thread rolling screw. A tri-lobe self-tapping screw with thread rolling action, suitable for ductile materials.



D) Self-piercing screw. A screw to fasten all types of timber without the need to pre-drill a hole.



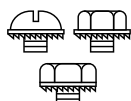
E) Self-tapping screw. In very soft thermoplastics, this screw can achieve greater pull-off strength and can increase the difference between driving and stripping torque.



F) Thread-cutting screw. Suited particularly to brittle plastics.



G) Flange-type heads.



H) Increased locking with grooves.

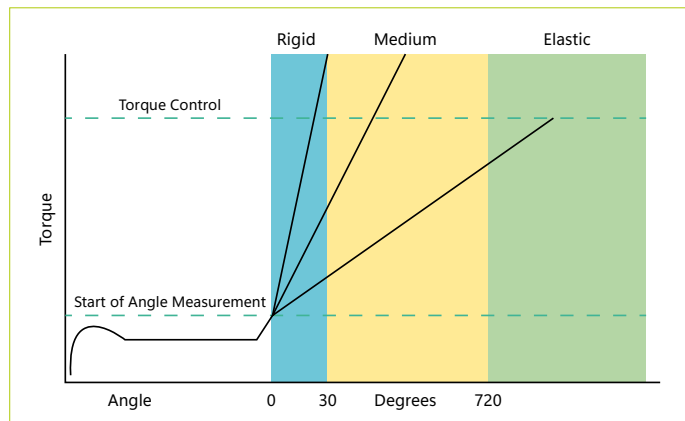
Head Prints (most common)

Print	Description	Application	Notes
	Phillips	Wide variety of applications	Economic. Needs a certain axial force to avoid cam-out
	Plain slot	Wood screw Metal sheet screw	Cheap. Difficult to engage, needs a finder for guidance
	Torx	Wide variety of applications	A little expensive compared to Phillips, but easy to fit with low axial force needs; High torques can be transmitted through
	Hexagon	Bigger size bolt heads	Suitable for high torque transfer
	Allen Head	Machine screw enforcement	Very low axial force needed. Suitable for high torque transfers
	Pozidriv	Wood screw	Easy to fit with a low axial force on soft elements

Joint Types: Hard vs. Soft

- Hard Joints (e.g., steel plates): Reach torque in <1/4 turn. Prone to over-torque from tool inertia.
- Soft Joints (e.g., gaskets): Need multiple turns. Risk under-torque if tools shut off too soon.

Tool Hack: For soft joints, use angle-controlled tightening (e.g., "tighten 90° after snug fit").



Tightening tools: pros, cons, and pitfalls

Tool Type	Best For	Torque Accuracy	Common Mistakes
Impact Wrench	Heavy-duty, high speed	Low ($\pm 25\%$)	Over-torquing soft joints
Pulse Tool	Noise-sensitive work	Medium ($\pm 15\%$)	Ignoring relaxation
Electric Nutrunner	Precision assembly	High ($\pm 5\%$)	Misprogramming torque
Click Wrench	Field maintenance	Medium ($\pm 10\%$)	Not recalibrating

Real-World Advice:

- Impact wrenches are for trucks, not head gaskets.
- Pulse tools excel in automotive lines (low noise, decent accuracy).
- For aircraft or engines, use transducerized nutrunners with angle control.

The 5 most common tightening failures

1. Damaged Threads: Increased friction = false torque reading.
 2. Missing Washers: Changes joint stiffness; clamp force drops.
 3. Relaxation: Joints settle—re-torque after 10 minutes if critical.
 4. Prevailing Torque: Locknuts add friction; compensate or use angle control.
 5. Over-Overshoot: Hard joints + fast tools = 20% extra torque from inertia.
- Fix: Use two-stage tightening (e.g., 50% torque, then final angle).

Torque Measurement: Static vs. Dynamic

- Static (torque wrench): Checks after tightening. Misses dynamic errors.
- Dynamic (in-line sensors): Measures during tightening. Catches tool drift.

Pro Move: Calibrate tools weekly if used daily.

In brief:

Tightening isn't about "tight enough." It's about controlled force. Match the tool to the joint, account for friction, and never trust torque alone; angle matters.

Need More? Dive into ISO 5393 for tool testing.

SIRA SERVICE

We propose specially designed solutions based on your needs.

SIRA Service solutions enable the optimization of instrument performance, reduction of production downtime, and prevention of sudden/unexpected mishaps and extraordinary costs.

Maintenance and servicing are guaranteed by a Team of highly qualified technicians on all catalog products, bar none, at the service center



SIRA Service - **REPAIRS**

- Analysis/Assessment of Product Status.
- Preparation of repair estimate, with list of spare parts needed and sufficient for restoration optimal.
- Product operational reactivation with 3-month warranty extension on replaced parts.
- Functional testing.

In accordance with our company's quality processes (ISO-9001:2015), repair and service is carried out in accordance with the bills of materials and specifications of the various manufacturers, using original spare parts under warranty of performance and return to full operational efficiency.

In the case of tools that have reached operating limits, a replacement business proposal will be made with new products.



SIRA Service - **CONTROL**

- Tool adjustment and setup services



SIRA Service - **MAINTENANCE**

- Customized Ordinary/Preventive Maintenance contracts through repair processes with predefined prices [benefit in overall expense management]
- Guarantee of compliance with the original manufacturer's quality standards.



SIRA Service - **STARTING**

- Installation, programming and start-up at the customer's production site.
- Compliance of regulatory safety aspects for operators.
- Quick and competent interventions to ensure productivity.



Programs 'SIRA Service' for electronic, electric or pneumatic tools ensure fast, direct and functional servicing to benefit production, reducing disruption with an overall low cost.

The program SIRA Service can be customized according to specific needs.

Contact us for more information and insights.





**OPERATIONAL
HEADQUARTERS**

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ISO9001 N.101
ISO14001 N.927SGA



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