

Pneumatic tools

Robust tools for every application

schneider

airsystems



**Efficient compressed
air systems & services**

for small and medium companies

Application recommendation

Our diverse portfolio of different blowing guns offers the right solution for every requirement – from the classic version with metal alloy housing to the version with solid plastic housing and different nozzle types.

Application recommendation

All types of rotary tools – a host of products for small and large screw fittings as well as tools for drilling and grinding.

Application recommendation

The product range includes a selection of tools for separating materials such as saws and cutters as well as tools for joining materials such as riveters, staplers and nail guns.

Application recommendation

Whether painting, fettling, lubricating or jointing – we have the right compressed air tool for every type of material removal task.

Application recommendation

Countless products for blasting, derusting, chiselling, roughing and matting materials.

Application recommendation

Other different types of pneumatic tools and accessories.

PNEUMATIC TOOLS

Blowing guns 6–10



Rotary tools:
drilling, fastening, grinding **11–32**



Separating and joining:
sawing, cutting, riveting, stapling, nailing **33–46**



Material application:
painting, fettling, lubricating, jointing **47–72**



Material removal:
derusting, blasting, chiselling **73–84**



Other tools:
inflating tyres, extracting oil, accessories **85–94**



The right compressor for your tool?

		Min. air requirements [l/min]	Minimum power [kW]*	Air quality	
				oiled	oil-free
Blowing guns					
D740015	AP-BM-SN	78	0.55		x
D740017	AP-BM-T9	78	0.55		x
D740035	AP-SOFT	192	1.10		x
D740115	AP-BM-SNV100	180	1.10		x
D740140	AP-VARIO-S	162	1.10		x
D740141	AP-VARIO-L	222	1.10		x
D740148	AP-VARIO-L-500	380	1.10		x
D740142	AP-VARIO-F	348	1.80		x
D740143	AP-VARIO-V	222	1.10		x
D740144	AP-VARIO-P	222	1.10		x
D740145	AP-BM-S	234	1.50		x
D740020	AP-RS	180	1.10		x
D740021	AP-RSV 100	324	1.80		x
Impact screwdrivers					
D322800	SGS 340 - 3/8"	300	1.50	x	
D322811	SGS 405 - 1/2"	300	1.50	x	
D327610	SGS 610 - 1/2"	360	1.80	x	
D322812	SGS 600 - 1/2"	510	2.20	x	
D322813	SGS 815 - 1/2"	492	2.20	x	
D322814	SGS 1000 - 1/2"	600	2.20	x	
D327347	SGS 345 - 1/2"	360	1.80	x	
D322830	SGS 1625 - 3/4"	546	2.20	x	
D322840	SGS 1900 - 1"	546	2.20	x	
D322623	SGS 315 - 1"	660	2.20	x	
Ratchet screwdrivers					
D322590	RAS 760-1/4"	210	1.50	x	
D322603	RAS 134-1/2"	235	1.50	x	
D322602	RAS 176-1/2"	200	1.50	x	
Tyre inflators					
D004009	RF-RMG	–	0.55		x
D004011	RF-RMG-K	–	0.55		x
D040011	RF-RM	–	0.55		x
D004023	RF 6 MG 1.5	–	0.55		x
D004024	RF 6 MG 2.5	–	0.55		x
D004025	RF 6 MG 0.8	–	0.55		x
D004021	RF 12 MG	–	0.55		x
D004026	RF 12 MG 2.5	–	0.55		x
D004027	RF 12 DVG 0.8	–	0.55		x
Rotary screwdrivers					
D322672	DRS 800	300	1.80	x	
D322673	DRS 810	360	2.20	x	
D322677	DRS 1000	276	1.80	x	
D322676	DRS 1800	276	1.80	x	
D322678	DRS 140 SYS	420	2.20	x	
Drills					
D322642	BM 525-3/8"	360	2.20	x	
D322643	BM-W 510	420	3.00	x	
D322647	BM 753	480	3.00	x	
Grinding machines					
D322295	WSL 125 SYS	380	4.00	x	
D322314	BDS 330 SYS	400	4.00	x	
D322653	SBS-W 522	330	4.00	x	
D322659	SBS 700 SYS	170	1.80	x	
D322661	SBS 1031 SYS	300	3.00	x	
D322301	SBS set	250	3.00	x	
D322299	LH-WSL 100	142	1.80	x	
D322721	ES 150-2.5	416	4.00	x	
D322720	ES 150-5	416	4.00	x	

		Min. air requirements [l/min]	Minimum power [kW]*	Air quality	
				oiled	oil-free
Saws					
D322321	KS 9A	200	1.80	x	
Special cutter					
D322669	SPA-SYS	280	1.80	x	
Riveting tongs					
D322311	NZ-SYS	1.1 l per stroke	0.55	x	
Staplers/nail guns					
D200091	D200091 KLG 80-16	0.3 l per impact	0.55	x	
D200098	KLG 90-40 SYS	0.8 l per impact	0.55	x	
D200094	KLG 114-65	1.3 l per impact	0.55	x	
D300044	KNG 40 SYS	0.7 l per impact	0.55		
D300067	SNG-SK 50 SYS	1.1 l per impact	0.55	x	
D300068	PNG-PN 25 SYS	0.3 l per impact	0.55	x	
Grease gun					
D040025	FP-M	0.6 l per stroke	0.55	x	
D040026	FP-A	0.6 l per stroke	0.55	x	
Cartridge guns					
D040118	KTP 310 DR	60	0.55		x
D040138	KTP 310 ALU	100	1.10		x
D040137	KTP 310	100	1.10		x
D040130	SIP 600	100	1.10		x
Oil extracting device					
D040152	OBG	160	1.80		x
Needle descenders					
D322415	NP-AT 12 SYS	120	2.20	x	
D322414	NP-AT 28 SYS	220	3.00	x	
Blasting devices					
D030030	SSP-STRAHLFIX	150	2.20		x
D030025	SSP-SAV	280	3.00		x
D030262	SSP-SAW 4 SYS	320	4.00		x
D030034	SSP-DSP	300	3.00		x
Chisel hammers					
D322254	MLH-MHM	150	1.50	x	
D322297	MLH-KFZ	220	1.80	x	
D323004	MLH-MMH 10 SYS	280	2.20	x	
D323003	MLH-SMH 19 SYS	320	4.00	x	
Paint spray guns					
D030290	FSP-MINI-VARIO 2	80	1.80		x
D030206	FSP-AZ 2	130	2.20		x
D030059	FSP-OPTIMAL 2001-1.5	120	2.20		x
D030310	FSP-FP-HTE2-1.5	200	3.00		x
D030311	FSP-FP-HTE2-1.3	200	3.00		x
D030312	FSP-FP-HTE2-1.8	200	1.80		x
D030305	FSP-FP-HTE2 WB	200	3.00		x
D030212	FSP-FP-HTE2 S	184	3.00		x
D030213	FSP-FP-HTE2 MA	184	3.00		x
D030194	FSP-FP 2001 M-MA	200	2.20		x
Plaster sprayers					
D030063	TSP	225	3.00		x
D900514	SPR 330-6.5	300	4.00		x
D900521	SPR 215-6.5	300	4.00		x
D900529	SPR 215-8.5	300	4.00		x
Spray guns					
D040008	SPP-SM	120	1.50		x
D040006	SPP-SE	50	1.10		x
D900512	SPL 750	–	1.50		x
D040052	UHW 2000	120	1.50		x

* The overview does **not** include the simultaneous use of several tools.

Pictograms and their meaning



Registration for 1+2
warranty possible



Quiet

Blowing guns model overview

Model	Art. no.	Air require- ments (l/min)	Working pressure (bar)	Page in the catalogue
AP-RS	D740020	180	4-6	9
AP-BM-SN	D740015	78	4-6	9
AP-BM-T9	D740017	78	4-6	9
AP-BM-S	D740145	234	4-6	9
AP-RSV 100	D740021	324	4-6	9
AP-BM-SNV100	D740115	180	4-6	9
AP-Vario-P	D740144	222	4-6	10
AP-Vario-V	D740143	222	4-6	10
AP-Vario-S	D740140	162	4-6	10
AP-Vario-L	D740141	222	4-6	10
AP-Vario- L-500	D740148	380	8	10
AP-Vario-F	D740142	348	4-6	10
AP-Soft	D740035	192	4-6	10

Blowing guns

Extremely versatile –
the right blow gun for every application



Stepless trigger lever
for **accurate dosage** of
compressed air



Solid plastic casing **prevents**
cold hands, even when
working for longer periods



Detachable rubber
sheath on the nozzle tip
prevents scratches on
the workpiece



Robust plastic is **shatterproof**
and **impact-resistant**



Example: Blow gun AP-Vario-P

Our diverse portfolio of different blowing guns offers the right solution for every requirement – from the classic version with a metal alloy or solid plastic housing to the version with silent nozzle or fan jet nozzle and the blow gun with 500 mm blast pipe for reaching places with limited access.

An overview of our blowing guns

	D740020	D740015 D740017	D740145	D740021	D7400115	D740144	D740143	D740140	D740141 D740148	D740142	D740035
	AP-RS	AP-BM-SN AP-BM-T9	AP-BM-S	AP-RSV 100	AP-BM- SNV100	AP-Vario-P	AP-Vario-V	AP-Vario-S	AP-Vario-L, AP-Vario- L-500	AP-Vario-F	AP-Soft
Application options											
General blowing out work	++	++	++		++	++	+				
Small openings / recesses				++	++			+	++		
Noise-sensitive environment			++					++			
Sensitive surfaces						++					++
Locations with limited access				++	++	++	+	+	++		++
Large surfaces		+					++			++	
Drying							+			++	

++ very well suited

+ well suited

Blowing guns

Blowing guns with alloy housing

- Robust, impact-resistant alloy for an extended service life

- Different designs that fulfil all requirements

AP-RS

- With plug nipple for quick-action coupling
- Handy gun shape



AP-BM-SN

- With plug nipple for quick-action coupling
- Handy gun shape



AP-BM-T9

- With nozzle for hose dia. 9 mm
- Handy gun shape



AP-BM-S

- With safety and noise reduction nozzle
- With plug nipple for quick-action coupling
- Type certificate for noise reduction according to OSHA regulations and the Swiss Accident Insurance Fund (SUVA)



AP-RSV 100

- Extended blast pipe (100 mm)
- With plug nipple for quick-action coupling



AP-BM-SNV100

- Extended rotary blast pipe (100 mm)
- With plug nipple for quick-action coupling



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Weight (kg)
AP-RS	D740020	180	4-6	0.10
AP-BM-SN	D740015	78	4-6	0.26
AP-BM-T9	D740017	78	4-6	0.26
AP-BM-S	D740145	234	4-6	0.28
AP-RSV 100	D740021	324	4-6	0.14
AP-BM-SNV100	D740115	180	4-6	0.31

Blowing guns with plastic housing

- Robust plastic is shatterproof and impact-resistant
- Solid plastic casing prevents cold hands during work
- Stepless trigger for accurate dosage of compressed air

AP-Vario-P

- Suitable for sensitive surfaces
- Nozzle tip with removable rubber casing prevents scratches on the workpiece

AP-Vario-V

- Venturi nozzle increases the air flow rate by 100 %

AP-Vario-S

- Extremely quiet due to silent nozzle
- Anti-block function prevents the air flow from blocking when the nozzle is applied

AP-Vario-L

- 300 mm blast pipe is ideal for awkward spots

AP-Vario-L-500

- Used primarily in farming applications such as blowing out combine harvester radiators or blowing down large surface areas
- 500 mm pipe ideal for places with particularly limited access

AP-Vario-F

- Fan jet nozzle for particularly large surfaces

AP-Soft

- Handy, straight design perfect for minor blasting tasks
- 3 m spiral hose for extra flexibility



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Weight (kg)
AP-Vario-P	D740144	222	4-6	0.12
AP-Vario-V	D740143	222	4-6	0.14
AP-Vario-S	D740140	162	4-6	0.14
AP-Vario-L	D740141	222	4-6	0.16
AP-Vario-L-500	D740148	380	8	0.16
AP-Vario-F	D740142	348	4-6	0.10
AP-Soft	D740035	192	4-6	0.18

ROTARY TOOLS

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Rotary screwdrivers 22–25



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Grinding machines 28–32



Pictograms and their meaning



Registration for 1+2
warranty possible



Rubber handle



Delivered in a
plastic case

Impact screwdriver model overview

Model	Art. no.	Collet [square]	Air require- ments [l/s]	Release torque (Nm)	Weight [kg]	Page in the catalogue
SGS 340-3/8"	D322800	3/8"	5	340	1.2	15
SGS 405-1/2"	D322811	1/2"	5	405	1.2	15
SGS 610-1/2"	D327610	1/2"	6	600	2.3	15
SGS 600-1/2"	D322812	1/2"	8.5	600	1.5	16
SGS 815-1/2"	D322813	1/2"	8.2	815	1.8	16
SGS 1000-1/2"	D322814	1/2"	10	1000	1.9	16
SGS 345-1/2"	D327347	1/2"	6	345	2.2	17
SGS 1625-3/4"	D322830	3/4"	9.1	1625	3.4	17
SGS 315-1"	D322623	1"	11	3000	10.6	18
SGS 1900-1"	D322840	1"	9.1	1900	3.4	18

Impact screwdrivers

Extremely powerful and easy to use –
the right model for every application



Switch from clockwise to anticlockwise operation with one hand **to save time**



3 torque stages for the **precision release of tightening torque**



The smooth trigger guarantees the **safe insertion of screws**



Low-vibration twin-hammer impact mechanism exerts **minimal strain on the hand and arm**



1/2" spindle and high torque **ideal for screw connections on the wheels, axles, bodies and engines of passenger cars and transporters**



Example: Impact screwdriver SGS 815-1/2"

The compact design and high torque values of these impact screwdrivers are impressive. The different models are designed for a wide range of screw connections on machines, metal structures, engines, tyres and vehicle bodies. They are therefore ideal for motor vehicle, motorcycle, repair, metalworking and assembly workshops as well as haulage companies, agricultural and industrial sectors.

An overview of our impact screwdrivers

	SGS 340 3/8"	SGS 405 1/2"	SGS 610 1/2"	SGS 600 1/2"	SGS 815 1/2"	SGS 1000 1/2"	SGS 345 1/2"	SGS 1625 3/4"	SGS 1900 1"	SGS 315 1"
Application options										
Pass. car wheels		++	++	++	++		++			
Pass. car axles			++	++	++	++				
Pass. car engines	++	++	+	++			+			
Pass. car body	++	++	++	++			++			
Comm. veh. wheels					++	++		++		
Comm. veh. axles			++	++	++	++		++		
Comm. veh. engines	++	++	+	++			++			
Comm. veh. body		++	+	++	++	++	++	++		
Truck wheels								++	++	++
Truck axles						++		++	++	++
Truck engines		++	++	++	++		++			
Truck body					++	++		++	++	++
Metal structures	++	++	+	++	++		+	++	++	
Machinery	++	++	+	++	++		+	++	++	

++ very well suited

+ well suited

Impact screwdriver

Impact screwdriver 3/8"

- 3/8" spindle is particularly suitable for smaller, lightweight screw connections on engines and body shells, attachment parts, machinery and metal constructions in passenger vehicle, repair, assembly and metalworking workshops
- Extremely compact design ideal for restricted spaces
- The smooth trigger guarantees the safe insertion of screws
- Switch from clockwise to anticlockwise operation with one hand to save time

Twin-hammer impact mechanism	✓
3 torque stages in clockwise direction	✓
Lightweight cold and noise isolating composite housing	✓



Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Vibration (m/s ²)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 340-3/8"	D322800	3/8"	5	6.3	340	4.6	1.2	153x55x216

Impact screwdriver 1/2"

- 405 Nm torque particularly suitable for smaller, lightweight screw connections on engines and body shells, attachment parts, machinery and metal constructions in passenger vehicle, repair, assembly and metalworking workshops
- Extremely compact design ideal for restricted spaces
- The smooth trigger guarantees the safe insertion of screws
- Switch from clockwise to anticlockwise operation with one hand to save time

Twin-hammer impact mechanism	✓
3 torque stages in clockwise direction	✓
Lightweight cold and noise isolating composite housing	✓



Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Vibration (m/s ²)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 405-1/2"	D322811	1/2"	5	6.3	405	4.6	1.2	153x55x216

Impact screwdriver 1/2"

- Versatile 1/2" spindle is particularly suitable for wheel changes and all kinds of medium-sized screw connection in passenger vehicle, repair, assembly and metalworking workshops
- Extremely robust, impact-resistant device with one-piece metal housing
- Rubber handle reduces vibrations and insulates against the cold
- Switch from clockwise to anticlockwise operation with one hand to save time

Roller impact mechanism	✓
3 torque stages in clockwise direction	✓



Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Vibration (m/s ²)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 610-1/2"	D327610	1/2"	6	6.3	600	3.2	2.3	190x65x225

Impact screwdriver 1/2"



- 600 Nm torque particularly suitable for medium-sized to large screw connections on wheels, engines, axles and body shells of passenger vehicles and transporters in passenger vehicle workshops
- Extremely compact housing for use in narrow areas and impressive torque
- Extremely robust, impact-resistant device with one-piece metal housing
- Rubber handle reduces vibrations and insulates against the cold



Twin-hammer impact mechanism

Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Vibration (m/s ²)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 600-1/2"	D322812	1/2"	8.5	6.0	600	3.1	1.5	144x54x203

Impact screwdriver 1/2"



- High torque particularly suitable for large, heavy-duty screw connections on wheels, axles, body shells and engines of passenger vehicles and transporters, machinery and metal constructions in tyre service, passenger vehicle, commercial vehicle, repair
- Low-vibration twin-hammer impact mechanism exerts minimal strain on the hand and arm
- The smooth trigger guarantees the safe insertion of screws
- Switch from clockwise to anticlockwise operation with one hand to save time



Twin-hammer impact mechanism



3 torque stages in clockwise direction



Lightweight cold and noise isolating composite housing

Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Vibration (m/s ²)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 815-1/2"	D322813	1/2"	8.2	6.3	815	4.8	1.8	183x69x230

Impact screwdriver 1/2"



- 1000 Nm torque particularly suitable for large, stiff heavy-duty screw connections on axles of passenger vehicles as well as wheels, axles and body shells of transporters and trucks in passenger and commercial vehicle workshops
- Effortless work due to low weight and high torque
- The smooth trigger guarantees the safe insertion of screws



Twin-hammer impact mechanism



3 torque stages in clockwise direction



Lightweight cold and noise isolating composite housing

Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Vibration (m/s ²)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 1000-1/2"	D322814	1/2"	10	6.3	1000	3.6	1.9	188x69x210

Impact screwdriver

Impact screwdriver 1/2"

- Universal impact screwdriver set with selection of versatile accessories for a wide range of applications, even in the DIY sector
- Switch from clockwise to anticlockwise operation with one hand to save time
- Extremely robust, impact-resistant device with one-piece metal housing
- Rubber handle reduces vibrations and insulates against the cold

Hammer impact mechanism	✓
In plastic case with 10 box spanners (10 to 13, 15, 17, 19, 22, 24, 27 mm)	✓

Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Vibration (m/s ²)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 345-1/2"	D327347	1/2"	6	6	345	3.1	2.2	178x70x225



Wall bracket for impact screwdriver 1/2"

Type	Art. no.
WH-SGS	B322610

- Holder for impact wrenches up to 1/2"
- With 4 retaining pins for socket wrenches and storage trays for small parts
- 2 strong magnetic holders for simple attachment to all vertical metal surfaces



Impact screwdriver 3/4"

- 3/4" spindle is particularly suitable for screw connections on wheels, axles and body shells of transporters and trucks as well as machinery and metal constructions in commercial vehicle workshops
- Low-vibration twin-hammer impact mechanism exerts minimal strain on the hand and arm
- The smooth trigger guarantees the safe insertion of screws
- Effortless work due to low weight and extremely high torque
- Switch from clockwise to anticlockwise operation with one hand to save time

Twin-hammer impact mechanism	✓
3 torque stages in clockwise direction	✓
Lightweight cold and noise isolating composite housing	✓

Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Vibration (m/s ²)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 1625-3/4"	D322830	3/4"	9.1	6.3	1625	4.8	3.4	214x84x266



Impact screwdriver

Impact screwdriver 1"



- 1" spindle is particularly suitable for screw connections on wheels, axles and body shells of trucks and buses as well as machinery and metal constructions in commercial vehicle workshops
- Low-vibration twin-hammer impact mechanism exerts minimal strain on the hand and arm
- The smooth trigger guarantees the safe insertion of screws
- Effortless work due to low weight and extremely high torque
- Switch from clockwise to anticlockwise operation with one hand to save time

✓	Twin-hammer impact mechanism
✓	3 torque stages in clockwise direction
✓	Lightweight cold and noise isolating composite housing

Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 1900-1"	D322840	1"	9.1	6.3	1900	3.4	214x84x266

Impact screwdriver 1"



- Extremely powerful impact screwdriver with 3000 Nm of torque for the most demanding applications in commercial vehicle and bus workshops, haulage companies, agricultural and industrial sectors
- Only one adjusting wheel for changing the rotation direction and adjusting the torque. Easy handling as a result
- Long 1" spindle for easy work, even on double tyres

✓	Twin-hammer impact mechanism
✓	3 torque settings for clockwise and anticlockwise rotation
✓	Lateral auxiliary handle for smooth device guidance

Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/s)	Working pressure (bar)	Release torque (Nm)	Weight (kg)	Dimensions (L x W x H) (mm)
SGS 315-1"	D322623	1"	11	8.0	3000	10.9	542x220x194

Set of sockets for impact wrench



Type	Art. no.	Number of box spanners (piece(s))	Socket sizes
SKSL-Set 3/8"-8	D322275	8	8, 10, 11, 12, 13, 14, 17, 19
SKSL-Set 1/2"-10	D322268	10	11, 12, 13, 14, 15, 17, 19, 21, 22, 24
SKSL-Set 1/2"-2 long	D322292	2	17, 19, extended version, 78 mm long
SKSL-Set 1/2"-3 Alu	D322294	3	17, 19, 21, plastic bonded, for aluminium wheels
SKSL-Set 3/4"-8	D322298	8	24, 27, 29, 30, 32, 35, 36, 38
SKSL-Set 1"-7	D322278	7	24, 27, 30, 32, 35, 36, 38

Lubricants/oil



- Tool oil for daily use
- Impact tools, in particular, should be oiled every day via the plug nipple

Type	Art. no.
OEMIN-DLW 0,1	E771130
OEMIN-DLW 1,0	B770000

Perfectly adapted products guarantee maximum efficiency



Screw compressors

from 2.2 - 45 kW;
on vessel and/or
with dryer



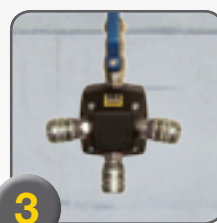
Piston compressors

with vertical or
horizontal vessel
or as an auxiliary
compressor



Compressed air conditioning

Cold and adsorp-
tion dryers, filters and
maintenance units



Conduit systems

from 15-63 mm as
well as workshop
equipment, hoses,
and joining techno-
logy



Compressed air tools

for a wide range of
applications

Ratchet screwdrivers

Slimline design, extremely handy –
perfect for reaching places with limited access



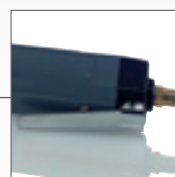
Compact design
ideal for use in
cramped spaces



Low weight for
effortless work



Roller impact
mechanism **specially
designed for stiff
screw connections**



Trigger lever and clock-
wise/anticlockwise direc-
tion adjustment in the
ratchet head ensure **easy
operation**



Example: Ratchet screwdriver RAS 176-1/2"

The slimline, handy design is particularly suitable for loosening and tightening screw fittings in cramped spaces with limited access. The ratchet screwdrivers are a practical companion for automotive engineering and agricultural applications as well as metalworking and assembly workshops.

Ratchet screwdriver

Ratchet screwdriver

- Fatigue-free work due to low weight
- Compact design for use in cramped spaces
- Trigger lever and clockwise/anticlockwise direction adjustment in the ratchet head ensure easy operation

RAS 760-1/4"

- Rubber ratchet head prevents damage to the workpiece
- Handy and extremely lightweight due to compact design



RAS 134-1/2"

- Rubber ratchet head prevents damage to the workpiece
- Dual drive in the ratchet head for more power and less wear



RAS 176-1/2"

- Roller impact mechanism specially designed for stiff screws
- Air inlet with dirt strainer extends the service life of the machine



Type	Art. no.	Tool reception (Square bolt)	Air requirements (l/min)	Working pressure (bar)	Speed (min ⁻¹)	Weight (kg)	Release torque (Nm)
RAS 760-1/4"	D322590	1/4"	210	6.3	310	0.5	33
RAS 134-1/2"	D322603	1/2"	235	6.3	170	1.2	70
RAS 176-1/2"	D322602	1/2"	200	6.3	280	1.5	100

Tip

The air inlet pressure can be regulated by turning the adjusting screw above the trigger valve.

Set of sockets for ratchet screwdriver

Type	Art. no.	Number of box spanners (piece(s))	Socket sizes
SKSL-Set 1/2"-10	D322268	10	11, 12, 13, 14, 15, 17, 19, 21, 22, 24



Pictograms and their meaning



Registration for 1+2
warranty possible



Quiet



Rubber handle



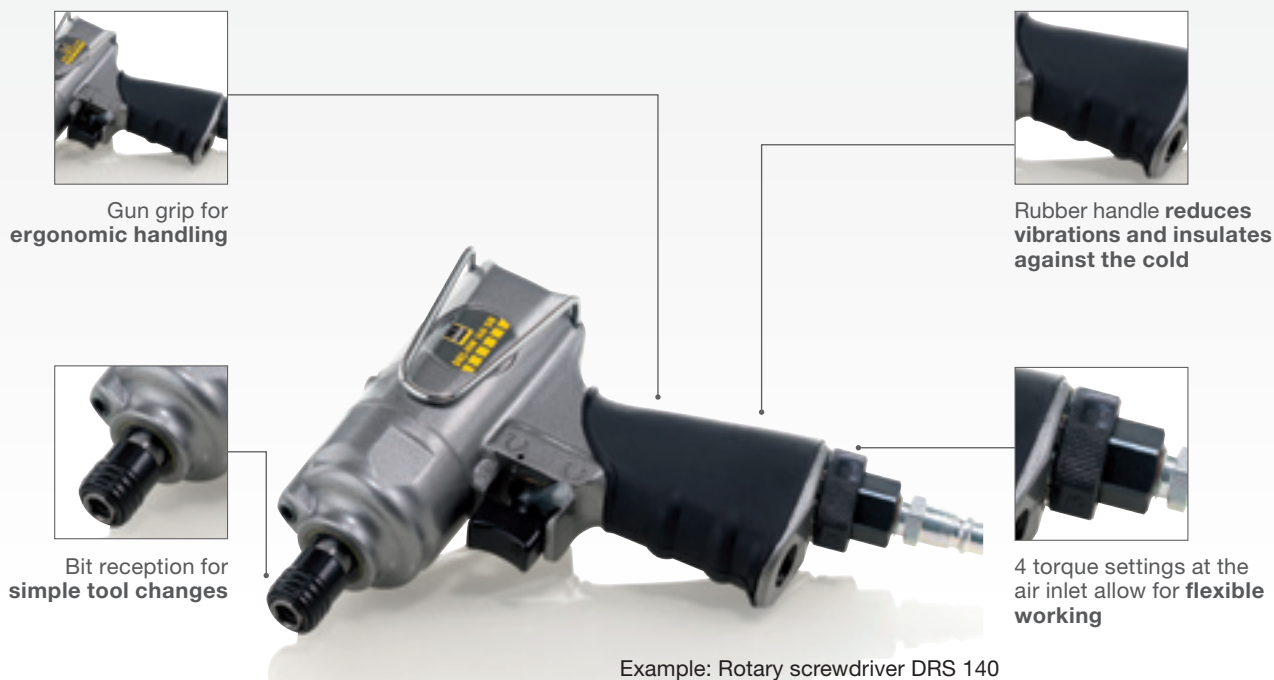
Delivered in a Systainer

Rotary screwdriver model overview

Model	Art. no.	Max. torque [Nm]	Speed [rpm]	Weight [kg]	Page in the catalogue
DRS 1000	D322677	3	1000	0.5	24
DRS 1800	D322676	1.6	1800	0.5	24
DRS 800	D322672	10	1800	1.0	24
DRS 810	D322673	8	1650	1.2	25
DRS 140 SYS	D322678	100	11500	1.0	25

Rotary screwdrivers

Extremely versatile –
for all types of screw fitting



The versatile rotary screwdrivers with 1/4" hexagon adapter are suitable for tightening and loosening screw fittings in plastic, metal, wood or similar materials. Available with straight design, bar grip and hanger bracket or gun design. Specially designed for use in the plastics, wood-working, metalworking, automotive and handcraft industries.

Straight rotary screwdriver

- Bar grip and hanging bracket particularly suitable for series production
- Fatigue-free work due to low weight
- Bit reception for simple tool changes
- Stemless torque adjustment on the outer adjusting ring allows for flexible working



DRS 800

- Switch from clockwise to anticlockwise operation with one hand to save time
- Quiet due to exhaust air hose



DRS 1000

- Switch from clockwise to anticlockwise operation with one hand to save time
- Contact release for a high degree of safety: rotary screwdriver does not start unless contact is made with the screw
- Extremely low noise due to exhaust air silencer
- Rubber handle reduces vibrations and insulates against the cold



DRS 1800

- Switch from clockwise to anticlockwise operation with one hand to save time
- Contact release for a high degree of safety: rotary screwdriver does not start unless contact is made with the screw
- Extremely low noise due to exhaust air silencer
- Rubber handle reduces vibrations and insulates against the cold



Type	Art. no.	Tool reception (Hexagonal bolt)	Air requirements (l/min)	Working pressure (bar)	Torque max. (Nm)	Speed (min ⁻¹)	Weight (kg)
DRS 800	D322672	1/4"	300	7	10.0	1800	1.0
DRS 1000	D322677	1/4"	276	6	3.0	1000	0.5
DRS 1800	D322676	1/4"	276	6	1.6	1800	0.5

Tip

Rotary screwdrivers have a repeat accuracy of $\pm 3\%$ and are therefore particularly suitable for series production.

Gun rotary screwdriver

- Gun grip for ergonomic handling
- Bit reception for simple tool changes
- Stemless torque adjustment on the outer adjusting ring allows for flexible working

DRS 810

- Rubber handle reduces vibrations and insulates against the cold
- Quiet due to exhaust air hose



DRS 140 SYS

- Dual impact mechanism for loosening extremely stiff screws
- 100 Nm torque suitable for screw fittings with screws 6 x 100 mm or smaller (e.g. in pine)
- In a Mini Systainer with magnetic bit holder and 4 bits



Type	Art. no.	Tool reception (Hexagonal bolt)	Air requirements (l/min)	Working pressure (bar)	Torque max. (Nm)	Speed (min ⁻¹)	Weight (kg)
DRS 810	D322673	1/4"	360	7	8.0	1650	1.2
DRS 140 SYS	D322678	1/4"	420	6.3	100	11500	1

Drills

Extremely small and lightweight –
the handy alternative to an electric drill



The drills not only have an impressive ergonomic design, but also a practical exhaust air guide directed to the rear to prevent the dispersion of dust and drilling chips into the air. Ideal for use in the woodworking, metalworking, plastics, automotive or handcraft industry.

- Effortless work: approx. 50 % smaller and lighter than equivalent electric drills
- Fast replacement of tools/bits using keyless chuck 3/8"
- No dust dispersion due to exhaust air hose

BM 525-3/8"

- Very powerful due to efficient motor
- Switch from clockwise to anticlockwise operation with one hand to save time



BM 753

- Powerful slow rotating motor specially designed for tools with a larger diameter
- Second handle guarantees safe handling, even when using large drill bits or stirrers
- Rubber handle reduces vibrations and insulates against the cold



BM-W 510

- Angle head ideal for working in tight spaces
- Air inlet with dirt strainer extends the service life of the machine



Type	Art. no.	Drill chuck (mm)	Air requirements (l/min)	Working pressure (bar)	Drilling capacity, steel (mm)	Drilling capacity, wood (mm)	Speed (min ⁻¹)	Weight (kg)
BM 525-3/8"	D322642	10	360	6.3	10	20	1800	1.42
BM 753	D322647	13	480	6.3	13	25	500	1.8
BM-W 510	D322643	10	420	6.3	10	20	1800	1.24

Keyless chuck

Type	Art. no.	Clamping width (mm)	Adapted for
SSBF 3/8" – 10 mm	B322230	10	BM 3/8" HW 525-L, BM-W-HW 510 AH-L
SSBF 3/8" – 13 mm	B322231	13	BM-HW 753 L



Pictograms and their meaning



Registration for 1+2
warranty possible



Delivered in
a plastic case



LOW NOISE

Quiet



Rubber handle



Delivered in a Systainer

Grinder model overview

Model	Art. no.	Air require- ments [l/min]	Speed [rpm]	Weight [kg]	Length [cm]	Page in the catalogue
SBS 1031 SYS	D322661	300	22000	0.6	15.5	30
SBS-Set-Standard	D322301	250-340	22000	0.6	19.7	30
SBS 700 SYS	D322659	170	70000	0.23	13	30
SBS-W 522	D322653	330	22000	0.45	15.5	30
WSL 125 SYS	D322295	380	11000	1.8		31
BDS 330 SYS	D322314	400	16000	0.75		32
LH-WSL 100	D322299	142	15000	1.3	40	31

Grinder

Different designs –
numerous fields of application



Slimline design is **ideal**
for use in places with
limited access



Spindle lock for
extremely quick
grinding disc changes



Particularly powerful
due to large compressed
air rotor



Low weight for **effortless**
working progress



Safety lever **prevents**
unintentional start-up



Example: Long-neck angle grinder LH-WSL 100

Different grinder designs are available for greater versatility. Ideal for delicate work in model and fixture construction, heavy-duty grinding work in vehicle body construction and deburring welded seams.

Axial grinder

- Small, compact design for flexible working, even in areas with limited access
- Fatigue-free work due to low weight
- Time savings because no tools are required to change abrasives/tools



SBS-Set-Standard

- Set in plastic case includes one 3.0 mm and one 6.0 mm collect chuck, 5 grinding points with 6 mm and 3 mm shaft respectively, P60 or P80 grit
- Safety lever prevents unintentional start-up



SBS 1031 SYS

- Rubber handle reduces vibrations and insulates against the cold
- No dust dispersion due to exhaust air hose
- In a Systainer with 3 mm and 6 mm collect chuck



SBS 700 SYS

- High-precision mini axial grinder with stepless speed adjustment for ease of operation
- Pen design ideal for reaching into the smallest recesses
- In a Mini Systainer with one 2.3 mm and one 3.0 mm collect chuck



SBS-W 522

- Angle head ideal for working in tight spaces
- Flexible working with retainer for grinding discs and points up to 45 mm in diameter
- Standard features include: 6 mm clamping collet



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Speed (min ⁻¹)	Weight (kg)	Length (cm)
SBS-Set-Standard	D322301	250-340	6.3	22000	0.6	19,7
SBS 1031 SYS	D322661	300	7	22000	0.6	15,5
SBS 700 SYS	D322659	170	6.3	70000	0.23	13.0
SBS-W 522	D322653	330	7	22000	0.45	15.5

Grinding points



Type	Art. no.	Grit	Shank dia. (mm)	Packaging unit (piece(s))
SFI-Standard	B322525	P60 / P80	6 / 3	10

Grinding machines

Grinding drum

- 4 grinding drums made of rubber, plus sanding paper

- Grinding drums 9/12 mm diameter with 3 mm shaft, 18/25 mm with 6 mm shaft



Type	Art. no.	Shank dia. (mm)
SLW-Set 9/12/18/25	B322500	3 / 6

Abrasive sleeve



Type	Art. no.	Contents	Grit	Shank dia. (mm)	Packaging unit (piece(s))
SFH 18/10	B322533	10	P100	6	10
SFH 25/10	B322534	10	P100	6	10
SFH 9/10	B322531	10	P100	3	10
SFH 12/10	B322532	10	P100	3	10

Angle grinder

- Powerful compressed air motor does not burn out like electric motors
- Particularly robust thanks to allover metal body
- Lateral auxiliary handle for smooth device guidance

For standard grinding wheels up to dia. 125 mm



In Systainer



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Speed (min ⁻¹)	Weight (kg)
WSL 125 SYS	D322295	380	6.3	11000	1.8

Long-neck angle grinder

- Narrow design is perfect for reaching places with limited access
- Rubber handle reduces vibrations and insulates against the cold
- Extremely quick grinding disc changes thanks to spindle stop
- Powerful compressed air motor does not burn out like electric motors
- Particularly robust thanks to allover metal body

Adjustable grinding disc guard



Speed control (no tools required), quick and stepless



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Speed (min ⁻¹)	Weight (kg)	Sanding pad Ø (mm)	Dimensions (W x D x H)
LH-WSL 100	D322299	142	6.2	15.000	1.3	100	400x120x75

Tip

Save money: our angle grinders were designed for a working pressure of 6.2 and 6.3 bar. Working times can increase by as much as 40 % with only one less bar of pressure (e.g. due to smaller hose diameter or inferior couplings).

Random orbit sander



- Fatigue-free grinding thanks to fewer vibrations
- Unlimited view of the workpiece with narrow cuff
- Particularly low air consumption for economical working progress



150 mm grinding disc with 2.5 or 5 mm eccentric stroke



Suitable for typical 15-hole, 8-hole and 6-hole sanding paper

Type	Art. no.	Air requirements (l/min)	Max. working pressure (bar)	Speed (min ⁻¹)	Pad dimensions (mm)	Sanding stroke (mm)	Noise (dB(A))	Weight (kg)
ES 150-5	D322720	416	6.3	12000	150	5.0	84.1	0.84
ES 150-2.5	D322721	416	6.3	12000	150	2.5	84.3	0.83

Abrasive belt



- Narrow grinding belt (10 mm) particularly suitable for cramped spaces
- Flexible operation due to 360° rotary sanding arm
- Automatic belt tensioner for easy abrasive belt changes



In a Systainer with 5 grinding belts K80

Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Speed (min ⁻¹)	Weight (kg)
BDS 330 SYS	D322314	400	6.3	16000	0.75

Sanding belts



Type	Art. no.
SFB 330x10 K80/5	B322502
SFB 330x10 K120/5	B322503
SFB 330x10 K180/5	B322504

SEPARATING AND JOINING

Saws 34–35



Special cutters 36–37



Riveting tongs 38–39



Staplers and nail guns 40–46



Saws

Effortless operation –
Safe design



Rubber handle **reduces vibrations and insulates against the cold**



Infinitely variable stop bracket for an **extended useful life** and reduced saw blade wear



Safety lever **prevents machine from starting up accidentally**



High stroke rate and stepless cutting speed adjustment ensure **material is separated with minimum effort**



Example: Car body saw KS 9A

The saws are extremely pleasant to work with because the rubber-coated handle reduces vibrations and protects your hands from the cold. Suitable for separating metal components on vehicle bodies, for example.

Body saw

Body saw

- High stroke rate and stepless cutting speed adjustment ensure material is separated with minimum effort
- Infinitely variable stop bracket for an extended useful life and reduced saw blade wear
- Rubber handle reduces vibrations and insulates against the cold

Safety lever prevents unintentional start-up



1 saw blade



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Stroke rate (min ⁻¹)	Stroke length (mm)	Cutting thickness (mm)	Weight (kg)
KS 9A	D322321	200	6.3	9300	9	1.2	0.9

Saw blades

- Bi-metal version

- Quantity in pack: 5

Type	Art. no.	For metal plate thickness (mm)	Length of cutting blade (mm)	Pitch (mm)
SGB-Bimet 0.3-0.8/5	B322520	0.3 – 0.8	50	0.8
SGB-Bimet 0.8-1.2/5	B322521	0.8 – 1.2	50	1.0



Special cutter

Handy and flexible –
for an outstanding cutting quality



The special cutter is suitable for removing vehicle windscreens stuck in position. The oscillating cutter is ideal for removing wax, sealant and underbody protection.

Special cutter

Special cutter

- Oscillating drive for a perfect cutting quality
- Adjustable position of the special cutter and stepless regulation of the cutting frequency on the trigger ensure flexible working progress
- Compatible with grinding discs, diamond wheels, scrapers and cutters due to versatile retainer

Safety lever prevents unintentional start-up



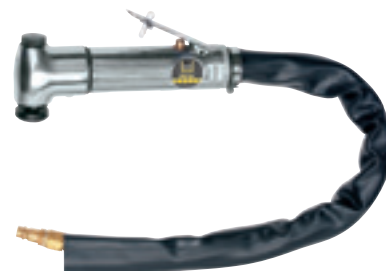
In Systainer



One straight, one straight-stepped and one curved-stepped knife



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Vibrations (min ⁻¹)	Weight (kg)	Tool reception (Hexagonal bolt)
SPA-SYS	D322669	280	6.3	20.000	1.0	19 mm



Tip

Only one person is required to operate the special cutter, which is ideal for cutting vehicle windscreens.

Accessories for special cutter

Type	Art. no.
MR-Set-HW-SPA	B322284

- Knife set (1 straight-flat, straight-offset, bent-offset knife respectively)



Riveting tongs

Flexible, user-friendly –
extremely versatile



Different rivet guides
suitable for standard
rivets



Use with smaller
compressors possible
due to low air requirements



Rivet pins collect in container,
reducing your workload

Example: Blind rivet gun NZ-SYS

These riveting tongs have a special storage container that catches the rivets while you are working. Selection of rivet guides available that are compatible with different rivets – Ideal for the construction of ventilation systems, façades, switch cabinets and vehicles and suitable for the aircraft industry.

Riveting tongs

Blind rivet gun

- Different rivet guides suitable for all standard rivet types
- Rivet pins collect in container, reducing your workload
- Can be used with smaller compressors because of low air requirements

In a Systainer with various rivet holders and 4 x 10 riveting bolts



Type	Art. no.	Air requirements (l/stroke)	Working pressure (bar)	Rivets Ø (mm)	Weight (kg)
NZ-SYS	D322311	1.1	6.3	2.4 – 4.8	1.7



Pictograms and their meaning



Registration for 1+2
warranty possible



Rubber handle



Delivered in a Systainer

Stapler and nail gun model overview

Model	Art. no.	Air require- ments [l/impact]	Magazine capacity	Weight [kg]	Page in the catalogue
KLK 80-16	D200091	0.3	157	0.87	43
KLK 90-40 SYS	D200098	0.8	100	1.1	43
KLK 114-65	D200094	1.3	130	2.5	43
SNG-SK 50 SYS	D300067	1.1	100	1.26	44
KNG 40 SYS	D300044	0.7	125	1.4	44
PNG-PN 25 SYS	D300068	0.3	102	0.95	45

Staplers and nail guns

For strong joints



Compact, lightweight design for **easy operation** and **effortless work**



Rubber handle **reduces vibrations** and **insulates** against the cold



Simple and precise adjustment of the staple **insertion depth** with depth the setting



User-friendly sliding mechanism on the magazine makes **loading the staples easy**

Example: Stapler KLG 114-65

Our extensive range of staplers and nail guns offers the perfect machine for every application and includes a wide selection of compatible nails and staples. They are ideal for upholstery workshops, joineries and carpentries as well as interior fitting applications.

Overview of our staplers and nail guns

	KLG 80-16	KLG 90-40	KLG 114-65	KNG 40 SYS	SNG-SK 50	PNG-PN 25
Application options						
Sheeting, insulation material	++					
Fabrics, leather	++					
Furniture rear panels	++	+		+		
Skirting boards				++	++	+
Wooden ceilings		++		++	+	
Tongue and groove boards/panels		++		++	+	
Gypsum plasterboard/OSBs			++			
Crates, pallets		+	++	+	+	
Trim strips, decorative elements				+	+	++
Window beads				+	+	++

++ very well suited

+ well suited

Staplers and nail guns

Stapler

- Compact, lightweight design for easy operation and effortless work
- Rubber handle reduces vibrations and insulates against the cold
- Staples reloaded easily with user-friendly loading device

KLG 80-16

- Long tip for reaching areas with limited access
- Two-stage trigger prevents injuries caused by tool triggering accidentally
- For type 80 staples, length 4-16 mm



KLG 90-40 SYS

- Contact release for quick, safe working progress
- Simple and precise adjustment of the insertion depth with the depth setting without tool
- For type 90 staples, length 13-40 mm
- In a Systainer with safety glasses, 2000 type 90 staples, length 30 mm



KLG 114-65

- Set the trigger to single release or contact release for flexible working progress
- Simple and precise adjustment of the insertion depth with the depth setting without tool
- For type 114 staples, up to 65 mm



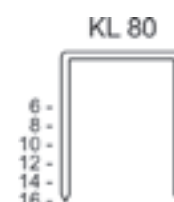
Type	Art. no.	Air requirements (l/impact)	Working pressure (bar)	Magazine capacity	Weight (kg)
KLG 80-16	D200091	0.3	4 – 7	157	0.87
KLG 90-40 SYS	D200098	0.8	5 – 8	100	1.1
KLG 114-65	D200094	1.3	5 – 8	130	2.5

Tip

The use of compressed air containing oil significantly increases the life of the sealings on the device.

Staples, type 80

Type	Art. no.	Back width (mm)	Wire gauge (mm)	Length (mm)	Packaging unit (piece(s))	Bulk buying (piece(s))
KL 80/06 CNK/3000	C420003	12.8	0.9x0.7	6	3000	30000
KL 80/08 CNK/3000	C420004	12.8	0.9x0.7	8	3000	30000
KL 80/10 CNK/3000	C420005	12.8	0.9x0.7	10	3000	30000
KL 80/12 CNK/3000	C420006	12.8	0.9x0.7	12	3000	30000
KL 80/14 CNK/3000	C420007	12.8	0.9x0.7	14	3000	30000
KL 80/16 CNK/3000	C420008	12.8	0.9x0.7	16	3000	30000



Staples, type 90



Type	Art. no.	Back width (mm)	Wire gauge (mm)	Length (mm)	Packaging unit (piece(s))	Bulk buying (piece(s))
KL 90/15 CNKH/2000	C420022	5.7	1.25x1.0	15	2000	20000
KL 90/20 CNKH/2000	C420024	5.7	1.25x1.0	20	2000	20000
KL 90/25 CNKH/2000	C420027	5.7	1.25x1.0	25	2000	20000
KL 90/28 CNKH/5000	C420029	5.7	1.25x1.0	28	5000	25000
KL 90/30 CNKH/2000	C420030	5.7	1.25x1.0	30	2000	20000
KL 90/30 CV2AH/5000	C421030	5.7	1.25x1.0	30	5000	25000
KL 90/35 CNKH/2000	C420034	5.7	1.25x1.0	35	2000	20000
KL 90/40 CNKH/2000	C420035	5.7	1.25x1.0	40	2000	20000

Staples, type 114



Type	Art. no.	Back width (mm)	Wire gauge (mm)	Length (mm)	Packaging unit (piece(s))
KL 114/30 CNKH/20000	C430021	10.8	1.6x1.4	30	20000
KL 114/35 CNKH/10000	C430022	10.8	1.6x1.4	35	10000
KL 114/40 CNKH/10000	C430023	10.8	1.6x1.4	40	10000
KL 114/45 CNKH/10000	C430024	10.8	1.6x1.4	45	10000
KL 114/50 CNKH/10000	C430025	10.8	1.6x1.4	50	10000
KL 114/65 CNKH/10000	C430026	10.8	1.6x1.4	65	10000

Combination nailer



- Flexible design compatible with both type SN pan-head nails (16-40 mm) and type 90 staples (15-40 mm)
- Simple and precise adjustment of the insertion depth with the depth setting without tool
- The rubber contact points with anti-slip function protect sensitive surfaces
- Rubber handle reduces vibrations and insulates against the cold

✓	Safe to use with contact fuse
✓	In a Systainer with 1000 type SN pan-head nails, length 40 mm, 2000 type 90 staples, length 30 mm

Type	Art. no.	Air requirements (l/impact)	Working pressure (bar)	Magazine capacity	weight (kg)
KNG 40 SYS	D300044	0.7	4 – 7	125	1.4

Upsetting nail driver



- Compact, lightweight design for easy operation and effortless work
- Simple and precise adjustment of the insertion depth with the depth setting without tool
- Rubber handle reduces vibrations and insulates against the cold

✓	For brad nails type SN, length 16-50 mm
✓	Contact release for quick, safe working progress
✓	In a Systainer with safety glasses, 5000 type SN pan-head nails, length 30 mm

Type	Art. no.	Air requirements (l/impact)	Working pressure (bar)	Magazine capacity	Weight (kg)
SNG-SK 50 SYS	D300067	1.1	5 – 8	100	1.26

Staplers and nail guns

Type SN pan-head nails

Type	Art. no.	Wire gauge (mm)	Length (mm)	Packaging unit (piece(s))
SN 113 NK/1000	C520011	0.9x1.2	13	1000
SN 116 NK/1000	C520012	0.9x1.2	16	1000
SN 116 NK/5000	C520002	0.9x1.2	16	5000
SN 120 NK/1000	C520013	0.9 x 1.2	20	1000
SN 120 NK/5000	C520003	0.9x1.2	20	5000
SN 125 NK/1000	C520014	0.9x1.2	25	1000
SN 125 NK/5000	C520004	0.9x1.2	25	5000
SN 130 NK/1000	C520015	0.9x1.2	30	1000
SN 130 NK/5000	C520005	0.9x1.2	30	5000
SN 130 V2A/5000	C521005	0.9x1.2	30	5000
SN 135 NK/5000	C520006	0.9x1.2	35	5000
SN 140 NK/5000	C520008	0.9x1.2	40	5000
SN 150 NK/5000	C520010	0.9x1.2	50	5000



Pin nailer

- Small diameter pin nails for securing decorative profiles, window beads and ornamentation, etc. almost invisibly
- Narrow front plate ideal for machining extremely narrow, delicate workpieces
- Compact, lightweight design for easy operation and effortless work
- Rubber handle reduces vibrations and insulates against the cold

In a Systainer with safety glasses



Type	Art. no.	Air requirements (l/impact)	Working pressure (bar)	Magazine capacity	Weight (kg)
PNG-PN 25 SYS	D300068	0.3	4 – 7	102	0.95

Tip

Clean the magazine with compressed air from time to time. Never clean with fluids or oils because the pin nail may become stuck.

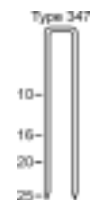
Push pin

Type	Art. no.	Wire gauge (mm)	Length (mm)	Packaging unit (piece(s))
PN 15-0,6 NK/10000	F440130	0.64	15	10000
PN 18-0,6 NK/10000	F440131	0.64	18	10000
PN 22-0,6 NK/10000	F440132	0.64	22	10000
PN 25-0,6 NK/10000	F440133	0.64	25	10000



Staples, type 347

Type	Art. no.	Back width (mm)	Wire gauge (mm)	Length (mm)	Packaging unit (piece(s))	Bulk buying (piece(s))
KL 347/10 CNK/2500	C430003	4.55	0.9x0.7	10	2500	25000
KL 347/16 CNK/2500	C430006	4.55	0.9x0.7	16	2500	25000
KL 347/20 CNK/2500	C430008	4.55	0.9x0.7	20	2500	25000
KL 347/25 CNKH/2500	C430010	4.55	0.9x0.7	25	2500	25000

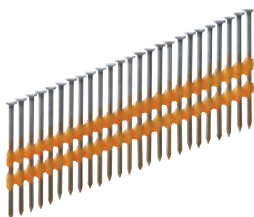


T-nail type TN



Type	Art. no.	Wire gauge (mm)	Length (mm)	Packaging unit (piece(s))
TN 22/50 NK/10000	F440014	2.18	50	10000
TN 22/60 NK/10000	F440016	2.18	60	10000
TN 22/64 NK/10000	F440017	2.18	64	10000

Nail strip type RN



Type	Art. no.	Nail angle (°)	Wire gauge (mm)	Length (mm)	Packaging unit (piece(s))
RN 29/65 BKH/3000	F440021	21	2.9	65	3000
RN 31/80 BKH/3000	F440024	21	3.1	80	3000
RN 31/90 BKH/3000	F440025	21	3.1	90	3000

Tip

Select the nail length so that a third of the nail is driven into the material and two thirds is driven into the backing material.

MATERIAL APPLICATION

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Pictograms and their meaning



Registration for 1+2
warranty possible

Paint spray gun model overview

Model	Art. no.	Nozzle dia. [mm]	Air require- ments [l/min]	Working pressure [bar]	Weight [kg]	Page in the catalogue
FSP-Mini-Vario 2	D030290	0.7	80-210	1-4	0.4	52
FSP-AZ 2	D030206	0.5	130-200	2-4	0.27	52
FSP-Optimal 2001-1.5	D030059	1.5	120-150	2-4	0.72	52
FSP-FP-HTE2-1.3	D030311	1.3	200-300	2-3	0.52	53
FSP-FP-HTE2-1.5	D030310	1.5	200-300	2-3	0.52	53
FSP-FP-HTE2-1.8	D030312	1.8	200-300	2-3	0.52	53
FSP-FP-HTE2 WB	D030305	1.5	200-300	2-3	0.54	53
FSP-FP-HTE2 S	D030212	1.5	80-290	2	0.82	54
FSP-FP-HTE2 MA	D030213	1.5	100-250	2	0.48	55
FSP-FP 2001 M-MA	D030194	2.5	200	2-4	0.7	55

Paint spray guns

For a perfect spray pattern



Low pressure requirements and an optimal material transfer rate produce an **extra-fine spray**, even with high-viscosity materials



Stepless material and air quantity regulation for **efficient working progress**



Flexible adaptation of the spray pattern by adjusting from a round to a wide jet



Environmentally friendly due to VOC-compliant material transfer rate



Example: Paint spray gun FSP-FP-HTE2-1,3

The right gun and accessories for spraying every type of water or solvent based paint, latex paint or varnish. Our paint spray guns produce an even spray pattern and achieve a high transfer rate – the foundation for efficient working and cost savings.

Overview of our paint spray guns

Paint spray guns with flow cups or replaceable cups				Paint spray guns with suction cup	Paint spray guns with material connection	
D030290	D030206	D030059	D030310; D030011; D030312; D030305	D030212	D030213	D030194
Mini-Vario 2	FSP-AZ 2	FSP-Optimal 2001	FSP-FP- HTE2; FSP-FP- HTE2-WB	FSP-FP- HTE2 S	FSP-FP- HTE2 MA	FSP-FP 2001 M-MA

Application options							
Stains	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	–
Varnish	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.0 / 1.3	1.0 / 1.3	1.0 / 1.3	–
Filling compound	–	–	2.2 / 2.5	2.0 / 2.5 / 3.0 / 3.5	2.0 / 2.5 / 3.0	2.0 / 2.5	–
Filler	–	–	1.7 / 1.9	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	–
Primer	–	1.0 / 1.2	1.3 / 1.5	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	–
1-C top coat	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.3 / 1.5 / 1.8 / 2.0	1.3 / 1.5 / 1.8 / 2.0	1.3 / 1.5 / 1.8 / 2.0	–
2-C top coat	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.3 / 1.5 / 1.8 / 2.0	1.3 / 1.5 / 1.8 / 2.0	1.3 / 1.5 / 1.8 / 2.0	–
Clear varnish	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.0 / 1.3 / 1.5	1.0 / 1.3 / 1.5	1.0 / 1.3 / 1.5	–
Textured paint	–	–	1.9 / 2.2 / 2.5	1.8 / 2.0 / 2.5	1.8 / 2.0 / 2.5	1.8 / 2.0 / 2.5	–
Latex paint	–	–	–	–	–	2.0 / 2.5	2.0 / 2.5 / 3.0
Application areas							
Small surfaces	++	++	+	+	+	+	
Large surfaces	+	+	++	++	++	++	++
Water-based lacquers		++	+	++	++	++	++
Lacquer solvents	++	++	++	++	++	++	++

++ very well suited

+ well suited

Paint spray guns with flow cups or replaceable cups				Paint spray guns with suction cup	Paint spray guns with material connection	
D030290	D030206	D030059	D030310; D030011; D030312; D030305	D030212	D030213	D030194
Mini-Vario 2	FSP-AZ 2	FSP-Optimal 2001	FSP-FP-HTE2; FSP-FP-HTE2-WB	FSP-FP-HTE2 S	FSP-FP-HTE2 MA	FSP-FP 2001 M-MA

Features							
Stepless round/wide jet control	x	x	x	x	x	x	x
Material flow regulation	x	x	x	x	x	x	x
Air quantity regulation		x	x		x	x	
Suitable for replaceable cup system				x			
Nozzle and needle made of high-grade steel or stainless steel/brass – for use with water-based lacquers		x	x	x	x	x	x
Polished easy-to-clean surface				x	x	x	
Slotted nozzle for efficient processing and atomisation of latex paints							x
Compact design for tireless work	x	x	x	x	x	x	x
With material connection for use with material pressure vessel						x	x
With flow cup	x	x	x	x			
With suction cup					x		

X available

Painting with flowing cup

Paint spray guns

Paint guns Mini-Vario 2



- Compact gun design and 0.25 l flow cup for smaller surfaces
- Infinitely variable adjustment of the material quantity for efficient working
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet



With flow cup and 2 suction cups with adapter

Type	Art. no.	Contents	Nozzle Ø (mm)	Air requirements (l/min)	Working pressure (bar)	Weight (kg)	Size
FSP-Mini-Vario 2	D030290	Paint guns	0.7	80-210	1-4	0.4	
DSZ 0.5 Mini-Vario 2	B030390	Nozzle set	0.5				
DSZ 1.0 Mini-Vario 2	B030392	Nozzle set	1.0				
DSZ 1.2 Mini-Vario 2	B030393	Nozzle set	1.2				
FB 0.25 I-AZ 2	B030365	Flowing cup					0.25 l

Paint guns AZ 2



- Versatile gun processes water-soluble and solvent-based materials
- Lightweight, handy design ideal for smaller surfaces
- Stemless material and air quantity regulation for efficient working progress
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet



With flowing cup 0.25 l

Type	Art. no.	Contents	Size	Nozzle Ø (mm)	Air requirements (l/min)	Working pressure (bar)	Weight (kg)
FSP-AZ 2	D030206	Paint guns		0.5	130-200	2-4	0.27
DSZ 0.5 AZ 2	B030361	Nozzle set		0.5			
DSZ 0.8 AZ 2	B030362	Nozzle set		0.8			
DSZ 1.0 AZ 2	B030363	Nozzle set		1.0			
DSZ 1.2 AZ 2	B030364	Nozzle set		1.2			
FB 0.25 I-AZ 2	B030365	Flowing cup	0.25 l				

Paint guns Optimal 2001



- Large 0.5 l flow cup for universal use on small or large surfaces
- With air micrometer for air pressure regulation directly on the gun
- Stemless material and air quantity regulation for efficient working progress
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet



With stainless steel nozzle and flowing cup 0.5 l with drop stop

Type	Art. no.	Contents	Nozzle Ø (mm)	Air requirements (l/min)	Working pressure (bar)	Weight (kg)	Size
FSP-Optimal 2001-1.5	D030059	Paint guns	1.5	120-150	2-4	0.72	
DSZ 1.3 Optimal 2001	B030310	Nozzle set	1.3				
DSZ 1.5 Optimal 2001	B030311	Nozzle set	1.5				
DSZ 1.7 Optimal 2001	B030312	Nozzle set	1.7				
DSZ 1.9 Optimal 2001	B030313	Nozzle set	1.9				
DSZ 2.2 Optimal 2001	B030314	Nozzle set	2.2				
DSZ 2.5 Optimal 2001	B030315	Nozzle set	2.5				
FB 0.5 I-Optimal 2001	B030267	Flowing cup					0.5 l

Paint spray guns

Paint guns HTE2

Common features

- Universal paint spray guns for manual spraying available in different equipment versions
- Stainless steel paint nozzle and needle for an extra-fine spray, even with high-viscosity materials
- Stemless material and air quantity regulation for efficient working progress
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet
- Environmentally friendly due to VOC-compliant material transfer rate

Paint guns HTE2

■ Flow cup version

Flowing cup 0.6 l



Type	Art. no.	Nozzle Ø (mm)	Air requirements (l/min)	Working pressure (bar)	Weight (kg)
FSP-FP-HTE2-1.3	D030311	1.3	200-300	2-3	0.52
FSP-FP-HTE2-1.5	D030310	1.5	200-300	2-3	0.52
FSP-FP-HTE2-1.8	D030312	1.8	200-300	2-3	0.52



Paint guns HTE2

■ Flexible version compatible with flow cups and replaceable cup system

With 3 replaceable cups 0.6 l, 3 covers, 3 sealing plugs



Type	Art. no.	Nozzle Ø (mm)	Air requirements (l/min)	Working pressure (bar)	Weight (kg)
FSP-FP-HTE2 WB	D030305	1.5	200-300	2-3	0.54



Changing cup system

Type	Art. no.	Contents
WB-Set 5	B030413	5 Cups, 5 Covers, 5 Plugs, 5 Filter 250 µm
WB-Set 50	B030414	50 Cups, 50 Covers, 50 Plugs, 50 Filter 250 µm
AD-FP-HTE	B030412	Support adapter
AD-W 400	B030411	Support adapter
F-WB 250 µm /5	B030416	5 Filter 250 µm (standard)
F-WB 125 µm /5	B030415	5 Filter 125 µm (especially for water-based clear varnish)



Accessories

Type	Art. no.	Contents	Nozzle Ø (mm)	Size
DSZ 1,3 FP-HTE	B030012	Nozzle set	1.3	
DSZ 1.5 FP-HTE	B030013	Nozzle set	1.5	
DSZ 1.8 FP-HTE	B030014	Nozzle set	1.8	
DSZ 2.0 FP-HTE	B030015	Nozzle set	2.0	
DSZ 2.5 FP-HTE	B030016	Nozzle set	2.5	
DSZ 3.0 FP-HTE	B030017	Nozzle set	3.0	
FB 0.6 I-FP-HTE	B030018	Flowing cup		0.6 l

Paint gun THE suction cup



- With large nozzle diameter and 1.0 l suction cup, particularly suitable for painting large surfaces
- Infinitely variable adjustment of the material quantity for precision dosage and efficient working
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet
- Environmentally friendly due to VOC-compliant material transfer rate
- Stainless steel paint nozzle and needle for an extra-fine spray, even with high-viscosity materials

✓	With polished, ergonomically optimised gun body
✓	Optimised air cap for an outstanding spray pattern and minimal overspray
✓	Suction cup 1.0 l

Type	Art. no.	Nozzle Ø (mm)	Air requirements (l/min)	Working pressure (bar)	Weight (kg)	Contents
FSP-FP-HTE-S	D030202	1.5	80-290	2	0.82	
DSZ 1.3 FP-HTE-S	B040162	1.3				Nozzle set
DSZ 1.5 FP-HTE-S	B040163	1.5				Nozzle set
DSZ 1.8 FP-HTE-S	B040164	1.8				Nozzle set
DSZ 2.0 FP-HTE-S	B040165	2.0				Nozzle set
DSZ 2.5 FP-HTE-S	B040166	2.5				Nozzle set
DSZ 3.0 FP-HTE-S	B040167	3.0				Nozzle set

Tip

Please always consult the paint data sheet from the paint manufacturer – it contains more exact information on the nozzle size you need to use.

Pressure controller



- Pressure controller with pressure gauge and plug nipple
- For regulating the input pressure, for all paint spray guns

Type	Art. no.	Working pressure (bar)	Mains supply
DM-FSP 1/4i	D202105	10	R 1/4"i

Paint spray guns

Paint guns HTE-MA

- Stemless material and air quantity regulation for efficient working progress
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet
- Stainless steel paint nozzle and needle for an extra-fine spray, even with high-viscosity materials
- Environmentally friendly due to VOC-compliant material transfer rate

With 3/8" material connection for use over large surfaces in combination with material pressure vessels



With polished, ergonomically optimised gun body



Optimised air cap for an outstanding spray pattern and minimal overspray



Type	Art. no.	Contents	Nozzle Ø (mm)	Air requirements (l/min)	Working pressure (bar)	Weight (kg)	Material connection (")
FSP-FP-HTE-MA	D030203	Paint guns	1.5	100-250	2	0.48	3/8a
DSZ 1.0 FP-HTE-MA	B040168	Nozzle set	1.0				
DSZ 1.3 FP-HTE-MA	B040169	Nozzle set	1.3				
DSZ 1.5 FP-HTE-MA	B040170	Nozzle set	1.5				
DSZ 1.8 FP-HTE-MA	B040172	Nozzle set	1.8				
DSZ 2.0 FP-HTE-MA	B030424	Nozzle set	2.0				
DSZ 2.5 FP-HTE-MA	B040173	Nozzle set	2.5				

Paint spray gun

- High-performance material spray gun with an ergonomic design and outstanding capacity to process high-quality materials, particularly suitable for continuous use
- Stemless material and air quantity regulation for efficient working progress

With 3/8" material connection for use over large surfaces in combination with material pressure vessels



Type	Art. no.	Nozzle Ø (mm)	Air requirements (l/min)	Working pressure (bar)	Weight (kg)	Material connection (")	Contents
FSP-FP 2001 M-MA	D030194	2.5	200	2-4	0.7	3/8a	
DSZ 2.0 FP 2001 M-MA	B030340	2.0					Nozzle set
DSZ 2.5 FP 2001 M-MA	B030341	2.5					Nozzle set
DSZ 3.0 FP 2001 M-MA	B030342	3.0					Nozzle set

Viscosity measuring cup

Type	Art. no.
B-Ford 4	B030079

For determining lacquer viscosity in acc. with Ford-4 / DIN EN ISO 2431



Easy to clean plastic vessel with 4 mm opening



Breathing mask

- With 2 replaceable activated carbon filters A1 as per DIN EN 14387 for organic gases and vapours

With retaining ring and 2 prefilters



Type	Art. no.	Contents
ATM-A1	D770128	Breathing mask
F-ATM	B030157	Spare filter
VF-ATM / 10	B030153	Preliminary filter



Pictograms and their meaning



Registration for 1+2
warranty possible

Material pressure vessel model overview

Model	Art. no.	Working pressure [bar]	Vessel volume [l]	Weight [kg]	Page in the catalogue
MDB-FDB 2	D040056	0-4	2	1.4	59
MDB 10	D040055	6	10	3.4	59
MDB 24	D040061	8	24	18.6	59
MDB 24 ZN	D040063	8	24	25.5	60
MDB 40 V4A	D040086	8	40	27	60

Material pressure vessels

For processing a range of materials –
ideal for large surfaces



Pressure reducer adjusts the pressure to ensure that the relevant material is **processed efficiently**



Ball valves at the material outlet and safety catches on the cover **make it easier and safer to work with the pressurised vessel**



Large wheels and sturdy frame for **greater mobility**



Possibility of processing different materials such as latex paint, clear coats, plaster, cellulose, chips, etc. for **greater versatility**



Example: Spritzboy MDB 24 ZN

Our extremely versatile material pressure vessels are suitable for processing paint, lacquers and varnishes, priming, sandblasting and staining, for cleaning agent, wallpaper stripper or spraying plaster and numerous other application areas.

An overview of our material pressure vessels

	MDB-FDB 2	MDB 10	MDB 24	MDB 24 ZN	MDB 40 V4A
	D040056	D040055	D040061	D040063	D040086
Application options					
Latex paint	✓	✓	✓	✓	✓
Colour or multiple effect paints	✓	✓	✓	✓	✓
Wallpaper solvent	✓	✓	✓	✓	✓
Impregnation	✓	✓	✓	✓	✓
Penetrating stopper material	✓	✓	✓	✓	✓
Glazes	✓	✓	✓	✓	✓
Cleaning agent	✓	✓	✓	✓	✓
Primer	✓	✓	✓	✓	✓
Top coat	✓	✓	✓	✓	✓
Spraying plaster				✓	✓
Liquid wood chip				✓	✓
Concrete primer				✓	✓
Sand blasting				✓	✓
Cotton, textile fibre and cellulose plaster					✓

Material pressure vessels

Paint and material pressure vessel

Common features

- Different versions suitable for applying a range of materials such as emulsion, varnish, plaster, cellulose, chips and many more.

- Pressure reducer allows perfect adjustment of material pressure for the material being processed
- Ball valves at the material outlet and safety catches on the cover make it easier and safer to work with the pressurised vessel

Paint pressure vessel

- Stainless aluminium vessel with carrying handle makes work easier

With multi-purpose material hose, 1.5 m



Large screw cap makes the vessel easy to fill and clean



Type	Art. no.	Working pressure (bar)	Tank vol. (l)	Weight (kg)
MDB-FDB 2	D040056	0-4	2	1.4



Material pressure vessels

- Pressure reducer allows perfect adjustment of material pressure for the material being processed

Material connector 3/8" a with internal cone



Vessel bleed valve



Type	Art. no.	Working pressure (bar)	Tank vol. (l)	Weight (kg)
MDB 10	D040055	6	10	3.4



Farbboy

- Large wheels and stable frame provide a high degree of mobility

Material connector 3/8" a with internal cone



With plastic inner vessel



Type	Art. no.	Working pressure (bar)	Tank vol. (l)	Interior tank vol. (l)	Weight (kg)
MDB 24	D040061	8	24	16	18.6



Spritzboy



- Large wheels and stable frame provide a high degree of mobility

✓	2 material connectors (1 large claw coupling, 1 x connecting thread 3/8" a)
✓	2 pressure reducers with pressure gauges for adjusting the material and working pressure
✓	Spritzboy 24: with galvanised vessel
✓	Spritzboy 40: with V4A vessel

Type	Art. no.	Working pressure (bar)	Tank vol. (l)	Interior tank vol. (l)	Weight (kg)
MDB 24 ZN	D040063	8	24	16	25.5
MDB 40 V4A	D040086	8	40	-	27

Material pressure plate



- Self-sealing pressure plate made of V2A steel guarantees even pressure distribution in the spray boy
- Ball for automatic sealing of the empty vessel

Type	Art. no.
MDP-V2A	B012087

Combination material hose



- For material pressure vessels
- Resistant against diluting agents

Type	Art. no.	Material connection (")	Length (m)	Material hose (mm)	Air hose (mm)
SL-Set-M13-D10-10m	D740008	3/8i	10	13x4	10x2.7
DLS-Set-M9-D10-5m	D740002	3/8i	5	9x3	10x2.7
SL-Set-M19-D9-8m	D740052	3/8i	8	19x4	9x3
SL-Set-M9-D6/1.5m	D740109	3/8i	1.5	9x3.5	6x3

Material pressure hose



- For material pressure vessels
- Resistant against diluting agents

Type	Art. no.	Material connection (")	Length (m)	Material hose (mm)
SL 15x9/10m	D740006	3/8i	10	9x3

Plaster sprayers

For the large-scale application
of different types of materials



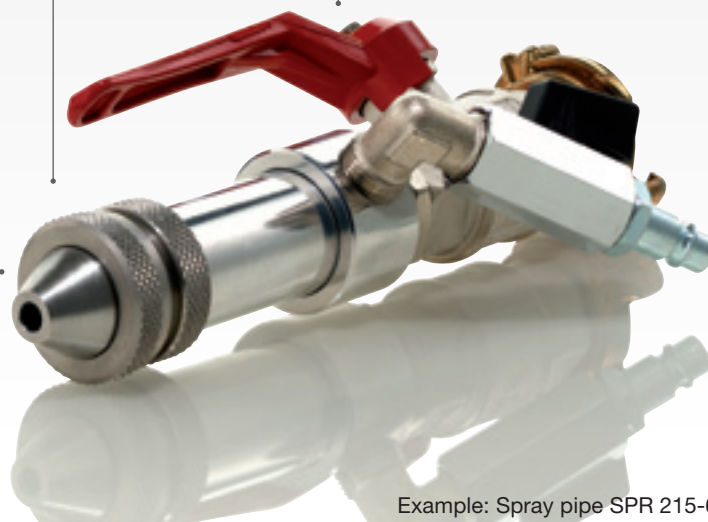
Large nozzle diameters
**ideal for viscous
materials**



Internal mixing
system in the nozzles
**mixes the material
efficiently**



Material and air stop cock
for ease of operation



Example: Spray pipe SPR 215-6.5

Our plaster sprayers are particularly versatile and therefore the perfect companion for the construction site. We also offer spray pipes for viscous materials such as emulsion paint, mineral/synthetic plaster as well as funnel spray guns for processing rough plaster, fibre plaster, chips, etc.

Funnel spray gun



- Versatile range of accessories, e.g. for spraying rough plaster, fibre plaster, chips, straw and flock, etc.
- Suitable for spraying walls and ceilings due to 45° accessory angle

✓	Material flow regulation valve for processing plaster with max. grit size of 3 mm
✓	Locking clip on trigger makes working over large areas easier
✓	Standard features include: nozzle dia. 4, 6 and 8 mm for plaster and nozzle dia. 15 and 18 mm for chips, etc.

Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Weight (kg)
TSP	D030063	225	5	1.26

Accessories

Type	Art. no.	Contents	Nozzle Ø (mm)	Size
ED 4.5 HW-TSP	B030350	Nozzle	4.5	
ED 6.0 HW-TSP	B030351	Nozzle	6.0	
ED 8.0 HW-TSP	B030352	Nozzle	8.0	
ED 15.0 HW-TSP	B030353	Nozzle	15.0	
ED 17.5 HW-TSP	B030354	Nozzle	17.5	
FB 5.0 I-HW-TSP	B030355	Flowing cup		5.0 l

Spray pipe



- Large 6.5 mm nozzle for viscous materials such as emulsion paint, mineral and plastic plaster
- V2A steel nozzles for a very long service life
- Material and air stop cock for ease of operation
- Internal mixing system in the nozzles mixes the material perfectly

✓	Version with long plastic handle
---	----------------------------------

Type	Art. no.	Length (mm)	Air requirements (l/min)	Weight (kg)	Nozzle Ø (mm)
SPR 330-6.5	D900514	330	300	1.2	6.5

Spray pipe



- Large 6.5 mm nozzle for viscous materials such as emulsion paint, mineral and plastic plaster
- V2A steel nozzles for a very long service life
- Material and air stop cock for ease of operation
- Internal mixing system in the nozzles mixes the material perfectly

✓	Compact version
---	-----------------

Type	Art. no.	Length (mm)	Air requirements (l/min)	Weight (kg)	Nozzle Ø (mm)
SPR 215-6.5	D900521	215	300	0.9	6.5
SPR 215-8.5	D900529	215	300	0.9	8.5

Type	Art. no.	Contents	Nozzle Ø (mm)
SPW 70°	D900527	Spraying angle 70°, for easy work in corners and tight spaces	
ED 4.5-2 SPR	B030175	Nozzle	4.5
ED 6.5-2 SPR	B030176	Nozzle	6.5
ED 8.5-2 SPR	B030177	Nozzle	8.5
ED 10.5-2 SPR	B030178	Nozzle	10.5
ED 2.0 SPR	B030179	Nozzle	2.0
ED 4.5-1 SPR	B030189	Nozzle	4.5
ED 6.5-1 SPR	B030186	Nozzle	6.5
ED 8.5-1 SPR	B030187	Nozzle	8.5
ED 10.5-1 SPR	B030188	Nozzle	10.5

Tip

When spraying plaster, always open the air valve first and then the material valve to prevent the air holes in the nozzle from clogging.

Spray guns

For applying liquids –
even in areas that are difficult to access



Large filler opening
makes **the suction cup**
easy to fill and clean



Low air consumption,
also compatible with
small compressors



Material flow regulation for the
efficient, precision regulation
of the relevant material

Example: Spray gun SPP-SM

Due to the low air requirements, these spray guns can be used with small compressors and are therefore particularly economical. They are ideal for greasing, oiling, flushing, disinfecting and spraying wood preservatives and pesticides. Suitable application areas include automotive engineering and agriculture.

Spray guns

Spray guns

Common features

- Different versions of sprayer for a wide variety of applications such as degreasing, rinsing, oiling, disinfecting, plant protection, etc.
- Particularly handy, user-friendly devices with lightweight, clearly arranged design
- Infinitely variable adjustment of the material quantity for precision dosage and efficient working

Spray gun

Aluminium gun and suction cup	✓
With material and air flow regulation	✓

Type	Art. no.	Working pressure (bar)	Air requirements (l/min)	Weight (kg)	Tank vol. (l)
SPP-SM	D040008	3-6	120-220	0.64	1.0



Accessories

Type	Art. no.	Contents
SB 1.0 I-SM	B040007	Suction cup

Spray gun

With robust, chemical-resistant Hostage vessel	✓
Swivelling nozzle head achieves good spraying results, even in places with limited access	✓

Type	Art. no.	Working pressure (bar)	Air requirements (l/min)	Weight (kg)	Tank vol. (l)
SPP-SE	D040006	1-10	50-150	0.86	0.7



Spraying lance

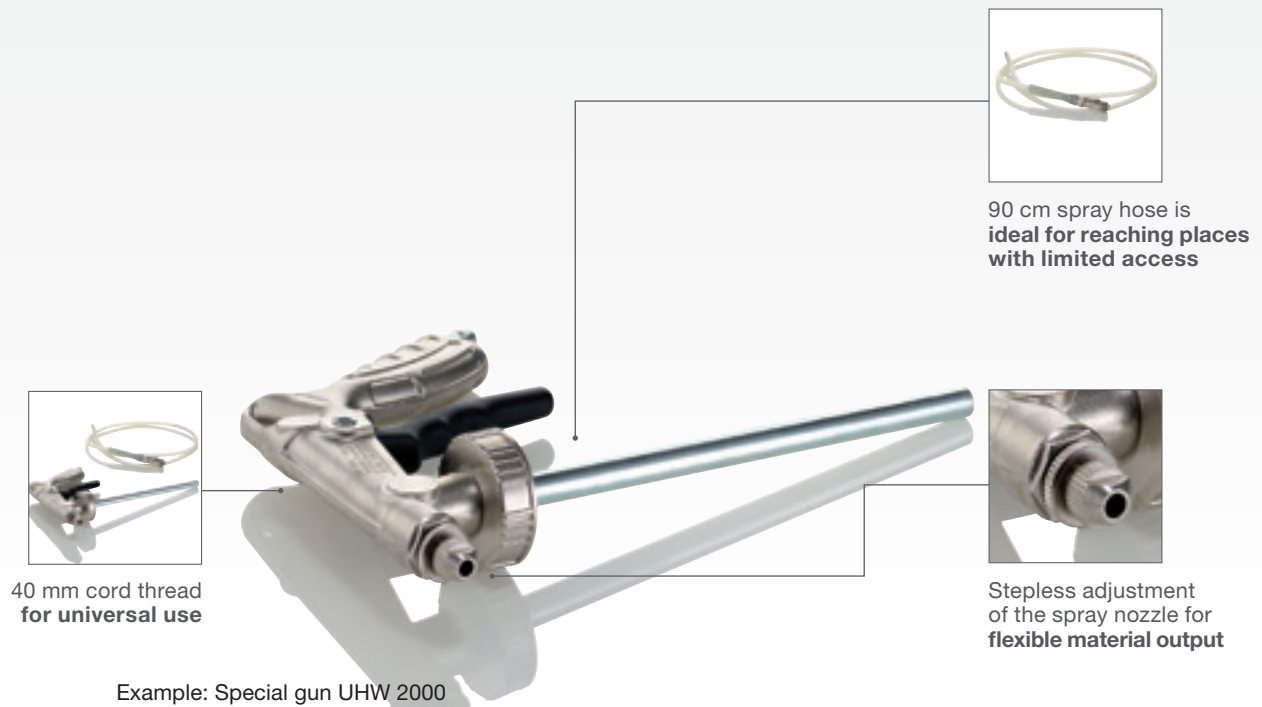
With universal nozzle, hand valve and locking device for trigger	✓
Including 3/8" material connection for use with material pressure vessels	✓

Type	Art. no.	Material connection (")	Length (mm)
SPL 750	D900512	3/8a	750



Special gun

Ideal for spraying cavity sealings
and underbody protection



This special gun is perfect for spraying cavity sealing and underbody protection. The connecting piece with cord thread is compatible with a wide variety of containers. The 900 mm spray hose can reach into corners with limited access.

Special gun

- Universal due to option of using spray nozzle or 90 cm spray hose, e.g. applying underbody protection or cavity sealing
- Stemless adjustment of the spray nozzle for flexible material output

Standard features include: 90 cm spray hose



For standard adapters with 40 mm cord thread



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Weight (kg)
UHW 2000	D040052	120 – 180	4 – 6	0.53

Combination gun



Grease gun

Particularly suitable for
lubricating vehicles and machines



Quick and easy working
progress with two
convenient venting valves



The **flexible press** can be
operated using standard
cartridges or filling loose
grease through the nipple



4-claw retainer system for
**perfect grip of the grease
nipple**

Example: Grease gun FP-A

The long hose on the grease gun can easily reach the most inaccessible places. Whether vehicles or agricultural machinery, industrial, transportation or conveyor systems – the different filling options make them extremely flexible to use. They are currently the only guns available with two venting valves for easier ventilation.

Grease gun

Grease gun

- Flexible options for filling the press: standard cartridges or grease injected into the filling nipple
- 4-claw retainer system for perfect grip of the grease nipple
- Quick and easy working progress with two convenient venting valves
- 1:40 pressure ratio for comfortable working. 6 bar of input pressure generate 240 bar of pressure at the hydraulic nipple

Manual grease gun: a shot of grease is produced every time the trigger is pressed



Automatic grease gun: grease is delivered when the trigger lever is pressed and stops when the trigger is released



Type	Art. no.	Air requirements (l/stroke)	Working pressure (bar)	Weight (kg)	Connecting hose (mm)	Handling method
FP-M	D040025	0.6	2-10	1.5	200	manual
FP-A	D040026	0.6	2-10	1.5	800	automatic

Tip

The ideal temperature for handling grease is room temperature (18-22°C).



Cartridge guns

Individually adjustable –
for joining or gluing



Quick bleed valve prevents the material from dripping to maintain a clean working environment



Ideal for a range of applications, compatible with standard plastic cartridges and material bags



Gun handle positioned at the rear makes **working in recesses easier**



Extremely accurate dosage due to infinitely adjustable speed regulation



Example: Cartridge gun KTP 310 DR

The cartridge guns can be adjusted individually to suit the relevant application – the infinitely variable speed control regulates the quantity of material delivered with precision. The perfect solution for sealing joints in glass, ceramics, wood or iron or sealing window panes into position.

An overview of our cartridge guns

	D040118	D040138	D040137	D040130
	KTP 310 DR	KTP 310 ALU	KTP 310	SIP 600
Application options				
Grouting	✓	✓	✓	✓
Jointing	✓	✓	✓	✓
Material container				
310 ml plastic cartridges	✓	✓	✓	
310 ml aluminium cartridges		✓		
310 ml bag		✓		
600 ml bag				✓
Material type				
Silicone	✓	✓	✓	✓
Acrylic	✓	✓	✓	✓
Window adhesive	✓	✓	✓	✓
Sealant	✓	✓	✓	✓
Grease	✓	✓	✓	✓
Features				
Maximum diameter of the cartridges/bags	50 mm	50 mm	50 mm	50 mm
Quick-vent valve prevents material from dripping	X	X	X	X
Precision regulation of material quantity and speed	X	X	X	X
Union nut with rubber coating prevents surface damage	X	X	X	X
Smooth surface for quick and easy cleaning	X	X	X	X
Compact design for tireless work	X	X	X	X
Central handle			X	X
Rotary handle for flexible operation	X	X		
Safety chain prevents ejection of the piston and subsequent injuries				X

✓ suitable

X possible

Cartridge guns

- Option of using standard plastic cartridges or material pouches for greater versatility
- Infinitely variable speed regulation for dosing the material correctly
- Quick bleed valve prevents the material from dripping to maintain a clean working environment



KTP 310 DR

- Rear gun handle allows work in recesses
- Rotary cartridge holder for easier working, even after changing direction
- For standard 310 ml plastic cartridges



KTP 310 ALU

- Long telescope piston for efficient material feed
- Rear gun handle allows work in recesses
- Rotary cartridge holder for easier working, even after changing direction
- For aluminium and plastic cartridges as well as pouches up to 310 ml



KTP 310

- Central handle for perfect balance and effortless work
- For standard 310 ml plastic cartridges



SIP 600

- Central handle for perfect balance and effortless work
- For standard silicone pouches up to 600 ml

Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Length (mm)	Weight (kg)
KTP 310 DR	D040118	60	10	355	0.46
KTP 310 ALU	D040138	100	8	460	0.98
KTP 310	D040137	100	8	318	1.04
SIP 600	D040130	100	8	510	1.32

MATERIAL REMOVAL

Needle descalers 74–75



Chisel hammers 76–79



Blasting devices 80–84



Needle descalers

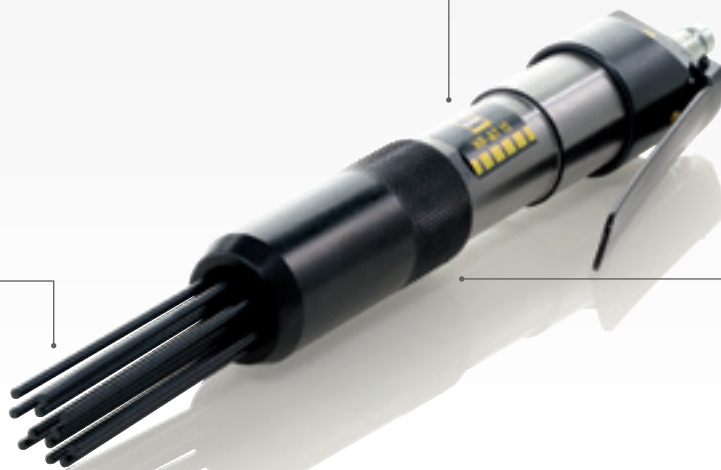
Flexible use –
for derusting, roughing and fettling



Robust solid metal casing for a **long service life**



Needles made of special steel for a **long useful life**



Needles easily replaced by turning the guide sleeve, no tools required

Example: Needle descaler NP-AT 12 SYS

The needle descalers with metal housing have an impressively long service life and are fitted with extremely durable needles made from special steel. Ideally suited for removing coarse rust, welding cinder and paint, processing stone, fettling welded seams, roughing surfaces and removing residual plaster and concrete from reinforcing steel.

Needle descaler

Straight needle descaler

- Robust metal casing for a long service life
- Special steel needles with an extended useful life, needle length 145 mm, dia. 3 mm
- Guide bush easy to remove for rapid needle replacement, no tools required

✓	Rod design
✓	In a Systainer with tool oil and safety glasses



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Stamping number (min ⁻¹)	Number of needles	Weight (kg)
NP-AT 12 SYS	D322415	120	6.3	4000	12	1.2

Gun needle descaler

- Robust metal casing for a long service life
- Special steel needles with an extended useful life, needle length 145 mm, dia. 3 mm
- Guide bush easy to remove for rapid needle replacement, no tools required

✓	Depth-adjustable needle guide sleeve
✓	Gun grip
✓	In a Systainer with tool oil and safety glasses



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Stamping number (min ⁻¹)	Number of needles	Weight (kg)
NP-AT 28 SYS	D322414	220	6.3	4500	28	3.5

Spare needles

Type	Art. no.	Contents
AT 12	B322279	Set with 12 pieces for AT 12
AT 28	B322281	Set with 28 pieces for AT 28



Tip

When derusting, you can achieve the best results by removing the majority of the rust with the needle gun and then blasting the remaining fine rust particles with the sandblasting device.

Pictograms and their meaning



Registration for 1+2 warranty possible



Rubber handle



Delivered in a Systainer



Delivered in a plastic case

Chisel hammer model overview

Model	Art. no.	Air requirements [l/min]	Number of impacts [rpm]	Stroke length [mm]	Weight [kg]	Page in the catalogue
MLH-MHM	D322254	150-240	3000	65	1.5	78
MLH-Kfz	D322297	220	4500	41	1.2	78
MLH-MMH 10 SYS	D323004	280	3000	45	1.5	78
MLH-SMH 19 SYS	D323003	320	2400	60	3.2	79

Chisel hammers

Enormous impact power
and low weight



Impressive impact power,
also suitable for hard
materials



Cross-slot holding
cap for the **quick
replacement of chisels
without using tools**



Rubber handle
**reduces vibrations and
insulates against the cold**



Compact,
lightweight design for
effortless work



Example: Chisel hammer MLH-MMH 10 SYS

The chisel hammers are suitable for chiselling brickwork, tiles, glass concrete, hollow blocks, gypsum plasterboard, pumice stone and slag bricks or similar materials. Whether pointed chisels, flat chisels, boasting chisel, sheet metal cutting chisels or grooving chisels – you are sure to find the right chisel hammer and accessories for every application.

Chisel hammers

Chisel hammer 10 mm



- Compact, lightweight design for effortless work
- Cross-slot holding cap for the quick replacement of chisels without using tools
- Rubber handle reduces vibrations and insulates against the cold

✓	High impact power for hard materials
✓	Air flow regulation valve for stepless adaptation of the impact power to suit different materials
✓	In a plastic case with pointed chisel 185 mm, flat chisel 175 mm, metal slitting chisel 175 mm, metal slitting chisel 180 mm, bolt removal chisel 175 mm

Type	Art. no.	Tool reception (Hexagonal bolt)	Air requirements (l/min)	Working pressure (bar)	Stamping number (min ⁻¹)	Stroke length (mm)	Weight (kg)
MLH-MHM	D322254	10 mm	150-240	4 – 6	3000	65	1.5

Chisel hammer 10 mm



- Compact, lightweight design for effortless work
- Cross-slot holding cap for the quick replacement of chisels without using tools

✓	High impact power for hard materials
✓	In Systainer with pointed chisel 180 mm, flat chisel 180 mm, boasting chisel – curved

Type	Art. no.	Tool reception (Hexagonal bolt)	Air requirements (l/min)	Working pressure (bar)	Stamping number (min ⁻¹)	Stroke length (mm)	Weight (kg)
MLH-MMH 10 SYS	D323004	10 mm	210	6.3	4100	45	1.5

Chisel hammer 10 mm



- Thanks to the high impact frequency, particularly well suited to sheet metal cutting work
- Rubber handle reduces vibrations and insulates against the cold
- Compact design for use in cramped spaces

✓	Air flow regulation valve for stepless adaptation of the impact power to suit different materials
✓	In plastic case with metal slitting chisel 125 mm, sheet metal cutting chisel 130 mm, hole cutting chisel 130 mm, curved flat chisel 180 mm

Type	Art. no.	Tool reception (Hexagonal bolt)	Air requirements (l/min)	Working pressure (bar)	Stamping number (min ⁻¹)	Stroke length (mm)	Weight (kg)
MLH-Kfz	D322297	10 mm	220	4-6	4500	41	1.2

Chisel 10 mm



Type	Art. no.	Dimensions (mm)	Version
ML10-S 200x12	B322255	200x12	Pointed chisel
ML10-F 180x20	B322256	180x20	Flat chisel
ML10-F 250x20	B322253	250x20	Flat chisel
ML10-BG 180x50	B322258	180x50	Boasting chisel. straight
ML10-BK 180x50	B322260	180x50	Boasting chisel. bent
ML10-BS 135x18	B322363	135x18	Sheet metal cutting chisel
ML10-F 250x12 HSS	B322370	250x12	Flat chisel

Tip

All chisels from our product range are manufactured from high-alloy tool steel and are easy to sharpen.

Chisel hammers

Retaining cap

Type	Art. no.
HK-K-MHM/Kfz	B323029
HK-K-MMH 10	G408579
SSF-SM/Kfz	B322249



Tip

Avoid no-load impacts to extend the service life of retaining caps and rubber buffers.

Chisel hammer 12 mm

- Less than half the weight of an equivalent electric chisel hammer for easier working
- Enormous impact power suitable for the hardest materials
- Extremely wear-resistant components suitable for continuous operation

Ergonomic round handle with user-friendly on/off switch



In a Systainer with pointed chisel 195 mm, flat chisel 250 mm



Type	Art. no.	Tool reception (Hexagonal bolt)	Air requirements (l/min)	Working pressure (bar)	Stamping number (min ⁻¹)	Stroke length (mm)	Weight (kg)
MLH-SMH 19 SYS	D323003	12 mm	320	7	2400	60	3.2



Chisel with hexagon 12 mm

Type	Art. no.	Dimensions (mm)	Version
ML12-S 270x20 HSS	B323005	270x20	Pointed chisel
ML12-F 190x20 HSS	B323001	190x20	Flat chisel
ML12-F 270x20 HSS	B323002	270x20	Flat chisel



Retaining cap

Type	Art. no.
HK-K-SMH 19	B323018



Pictograms and their meaning



Registration for 1+2
warranty possible



Delivered in a Systainer

Blasting device model overview

Model	Art. no.	Air require- ments [l/min]	Grain size [mm]	Nozzle dia. [mm]	Weight [kg]	Page in the catalogue
SSP- Strahlfix	D030030	150	Max. 0.8	5	0.64	82
SSP-SAV	D030025	280	Max. 0.8	5	0.8	82
SSP-SAW 4 SYS	D030262	320-400	Max. 0.8	6	0.88	82
SSP-DSP	D030034	300	0.2-0.8	5	0.66	83
DSG 10	D040096	250-300	0.2-0.8		27	83

Blasting devices

Universal spray guns –
for spraying a wide range of blasting abrasives



Our blasting devices are suitable for blasting, derusting, roughing, removing, matting, compacting, etc. in handcraft and DIY applications. Ideal for processing metal, concrete, brickwork, sandstone and timber surfaces.

Spray gun

- Different versions of universal spray gun for a range of blasting abrasives
- Specially selected hard materials extend the service life of the nozzles
- Suction cup (1 l) with large opening enables rapid filling



SSP-Strahlfix

- Long jet nozzle for improved penetration
- For blasting abrasive with grit up to 0.8 mm



SSP-SAV

- Long jet nozzle for improved penetration
- Hardened Venturi nozzle for enhanced acceleration of the blasting abrasive
- For blasting abrasive with grit up to 0.8 mm



SSP-SAW 4 SYS

- Standard 130 cm hose suitable for direct removal from containers or sacks
- For blasting abrasive with grit up to 0.8 mm
- In Systainer with carbide nozzle



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Grit	Nozzle Ø (mm)	Weight (kg)
SSP-Strahlfix	D030030	150	6.0	max. 0.8	5	0.64
SSP-SAV	D030025	280	7	max. 0.8	5	0.8
SSP-SAW 4 SYS	D030262	320-400	7	max. 0.8	6	0.88

Tip

Blasting devices should preferably be operated with dry compressed air to prevent the nozzle from becoming blocked. Install an additional water separator upstream of the gun to achieve outstanding results.

Type	Art. no.	Contents
ED-Strahlfix	B030030	Nozzle
ED-Set-Strahlfix	B030029	Nozzle
ED 5.0 SAV	B030026	Nozzle
ED-SAW 4	B030399	Nozzle

Pressure blasting device

- Pressure reducer for adapting the material pressure perfectly to the surface hardness
- Large wheels and stable frame provide a high degree of mobility

Water separator at air inlet



Supplied with blasting hose unit 10 m and pressure spray gun



Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Material pressure (bar)	Weight (kg)	Tank vol. (l)	Grit
DSG 10	D040096	250-300	5 – 8	0.5-2.0	27	24	0.2-0.8



Accessories for pressure blasting device

Type	Art. no.	Contents	Length (m)
SL-Set-M12.7-D6/5m	D740009	Material hose	5
SL-Set-M12.7-D6/10m	D740010	Material hose	10
ED-DSG	B030028	Nozzle	



Pressure spray gun

- For use with pressure blasting device
DSG 10, material pressure vessel
MDB 24 ZN and MDB 40 V4A

Type	Art. no.	Air requirements (l/min)	Weight (kg)	Nozzle Ø (mm)
SSP-DSP	D030034	300	0.66	5

Tip

Even wood can be blasted effectively if sufficient distance is maintained between the blasting object and the jet nozzle.



Spray protective hood



- Robust plastic housing with neck protection for greater safety and wearing comfort
- Large, replaceable glass observation window for a clear view of the workpiece

Type	Art. no.	Weight (kg)	Contents
STSH	D770121	0.45	Spray protective hood
SBE-Acetat 90x110 STSH	G526002		Observation window
SBE-Min-glas 90x110 STSH	G526003		Observation window

Blasting abrasive



- Ground blast furnace slag
- Does not cause silicosis and protects your health
- Suitable for all listed spray guns and devices

Type	Art. no.	Grit	Contents
STM-HOS 7.0	B030031	0.2-0.8 mm	7.0 kg

OTHER TOOLS

Tyre pressure gauges 86–90



Oil extracting device 91–92



Accessories 93–94



Pictograms and their meaning



Registration for 1+2
warranty possible

Tyre pressure gauge model overview

Model	Art. no.	Working pressure [bar]	Max. working pressure [bar]	Hose length [cm]	Weight [kg]	Page in the catalogue
RF 6 MG 1.5	D004023	0.7-6	7.5	150	0.8	88
RF 6 MG 2.5	D004024	0.7-6	7.5	250	0.8	88
RF 6 DVG 0.8	D004025	0.7-6	7.5	80	0.8	88
RF 12 MG	D004021	0.7-12	15	150	0.8	89
RF 12 MG 2.5	D004026	0.7-12	15	250	0.8	89
RF 12 DVG 0.8	D004027	0.7-12	15	80	0.8	89
RF-RM	D040011	7		41	0.40	90
RF-RMG	D004009	0-12		46 + 30	0.90	90
RF-RMG-K	D004011	0-12		45	0.70	90

Tyre pressure gauges

Extremely robust, exceptionally precise –
for motorcycles, passenger cars, transporters and trucks



Choose between our standard or professional tyre inflators with or without calibration function and select any version of calibrated tyre inflator between 6 and 12 bar with safety valve clip or filling station plug (double-sided valve connector) and different available hose lengths.

Tyre pressure gauge – calibrated 6 bar

- Pressure gauge calibrated according to EEC type approval for maximum precision
- Unbeatable for everyday use in the workshop, with extremely robust, impact resistant housing
- Ergonomic buttons for precise metering of the air flow rate
- Maximum pressure of 6 bar ideal for two-wheelers, passenger vehicles and transporters



RF 6 MG 1,5

- Simple operation thanks to straight plug-in valve
- 1.5 m hose for particularly efficient working progress



RF 6 MG 2,5

- Simple operation thanks to straight plug-in valve
- 2.5 m hose for increased safety distance in accordance with BG recommendation BGI 884



RF 6 DVG 0,8

- Particularly suitable for tyres with limited accessibility (such as twin tyres), with valve connector on both sides for use at petrol stations
- 0.8 m long hose for pleasant, flexible work



Type	Art. no.	Working pressure (bar)	Max. working pressure (bar)	temperature-resistant up to (°C)	Hose length (cm)	Weight (kg)
RF 6 MG 1.5	D004023	0.7-6	7.5	-20 – +60	150	0.8
RF 6 MG 2.5	D004024	0.7-6	7.5	-20 – +60	250	0.8
RF 6 DVG 0.8	D004025	0.7-6	7.5	-20 – +60	80	0.8

Tyre pressure gauges

Tyre pressure gauge – calibrated 12 bar

- Pressure gauge calibrated according to EEC type approval for maximum precision
- Ergonomic buttons for precise metering of the air flow rate
- Unbeatable for everyday use in the workshop, with extremely robust, impact resistant housing
- Maximum pressure of 12 bar ideal for lorries and buses

RF 12 MG

- Simple operation thanks to straight plug-in valve
- 1.5 m hose for particularly efficient working progress

RF 12 MG 2,5

- Simple operation thanks to straight plug-in valve
- 2.5 m hose for increased safety distance in accordance with BG recommendation BGI 884

RF 12 DVG 0,8

- Particularly suitable for tyres with limited accessibility (such as twin tyres), with valve connector on both sides for use at petrol stations
- 0.8 m long hose for pleasant, flexible work



Type	Art. no.	Working pressure (bar)	Max. working pressure (bar)	temperature-resistant up to (°C)	Hose length (cm)	Weight (kg)
RF 12 MG	D004021	0.7-12	15	-20 – +60	150	0.8
RF 12 MG 2.5	D004026	0.7-12	15	-20 – +60	250	0.8
RF 12 DVG 0.8	D004027	0.7-12	15	-20 – +60	80	0.8

Accessories

Type	Art. no.
ED-Set-RM	B040160
SL-1.5m-kpl-M	B004020
SL-2.5m-kpl-M	B004021
SL-0.8m-DV	B004022



Tyre pressure gauge



- Robust aluminium body extends the service life of the device
- Simple operation thanks to straight plug-in valve
- Ideal for home use

Pressure gauge dia. 60 mm with rubber protection



Includes 3 replaceable nozzle attachments



Type	Art. no.	Working pressure (bar)	Hose length (cm)	Weight (kg)	Pressure gauge dia. (mm)
RF-RM	D040011	7	41	0.40	60

Tyre pressure gauge



- Robust aluminium body extends the service life of the device
- Connection hose with rotating adapter for easier working
- Ideal for home use

✓ Pressure gauge 80 mm dia. with rubber protection

✓ RF-RMG features: double-sided valve connector

✓ RF-RMG-K features: rocker arm connector

Type	Art. no.	Working pressure (bar)	Hose length (cm)	Weight (kg)	Pressure gauge dia. (mm)
RF-RMG	D004009	0-12	46 + 30	0.90	80
RF-RMG-K	D004011	0-12	45	0.70	80

Oil extracting device

Ideal for extracting oil and ventilating brakes



Particularly suitable for **mobile services** due to small, lightweight design and low air requirements



Flexible use, suitable for extracting oil and ventilating brakes



Comprehensive accessories, an extra-large nozzle and tool-free operation guarantee **rapid working progress**



The device switches off automatically when the maximum fill level is reached to **prevent overflowing** and closes the vessel



Example: Oil extracting device OBG

The oil extracting device is suitable both for extracting engine oil and ventilating brakes on motor vehicles, motorcycles and scooters.

Oil extraction device



- Comprehensive accessories, an extra-large nozzle and tool-free operation guarantee rapid working progress
- The device switches off automatically when the maximum fill level is reached to prevent overflowing and closes the vessel
- Particularly suitable for mobile services due to small, lightweight design and low air requirements
- Suitable for extracting oil and ventilating brakes



With 3 probes (7 and 10 mm in dia., length 1 m) and cleaning mandrel

Type	Art. no.	Air requirements (l/min)	Working pressure (bar)	Tank vol. (l)	Weight (kg)
OBG	D040152	160	6.3	5.5	1.7

Accessories

The right accessories for every compressed air tool



The accessories supplement and optimise the function of the pneumatic tools.

Lubricants/oil



- Tool oil for daily use
- Impact tools, in particular, should be oiled every day via the plug nipple

Type	Art. no.
OEMIN-DLW 0,1	E771130
OEMIN-DLW 1,0	B770000

Air lubricator



- Adjustable via needle valve
- Cannot be used with impacting compressed air tools

Type	Art. no.	Nominal pressure (bar)	Dimensions (mm)
LOE-P 3/8	D640072	16	71.5 x 47

Plug nipple



- Prevents twisting of the air hose during work

Type	Art. no.	Mains supply
STNP-R1/4a	E700220	R 1/4" a

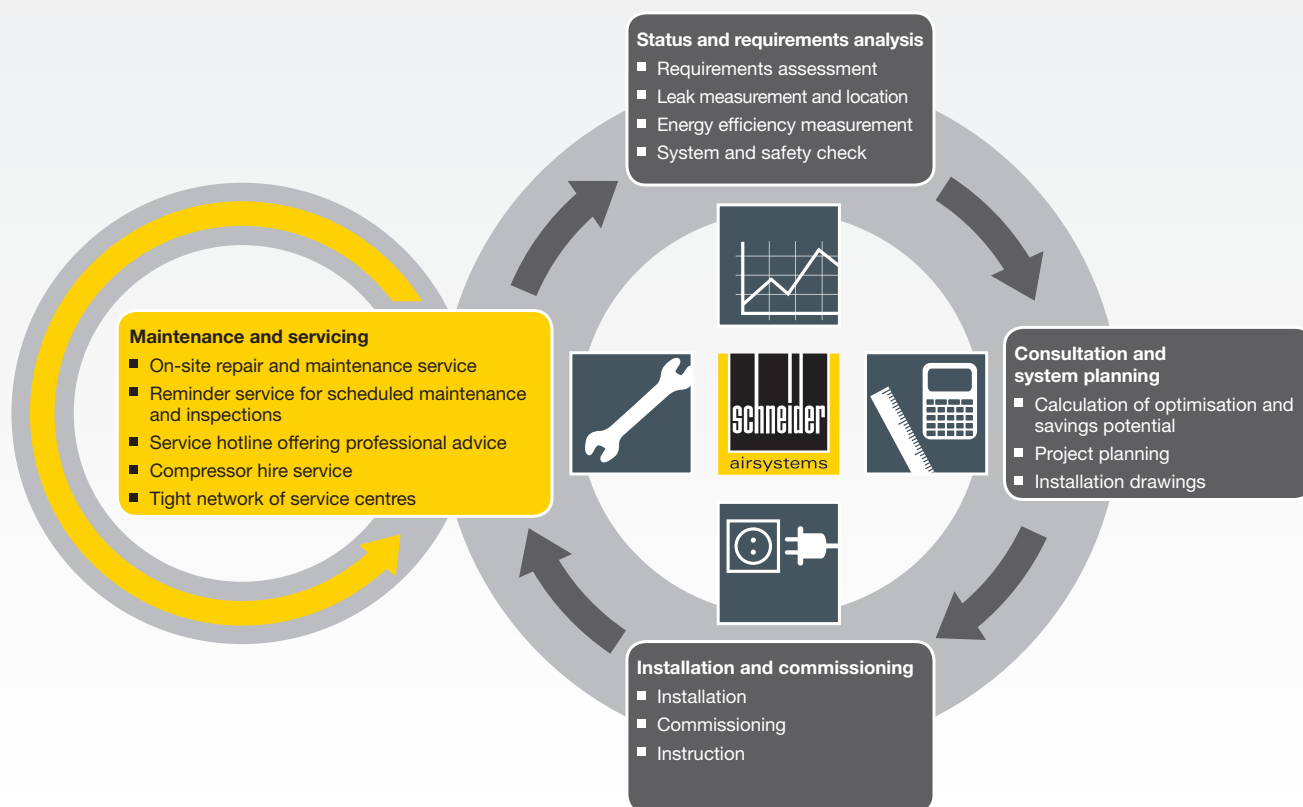
A partner at your side:

Schneider Professional Services

Optional services for your system

Schneider Professional Services from Schneider airsystems offers comprehensive, professional support for your compressed air units. The concept is simple and clearly defined: all customers have the option of choosing the services they require from an extensive service portfolio.

The services provided by Schneider airsystems can be divided into four phases: status and requirements analysis, consultation and system planning, installation and commissioning, maintenance and servicing.



Status and requirements analysis

We will lay the foundation for a compressed air system adapted to your individual needs by determining your compressed air requirements and taking leak and pressure dew point or volume flow measurements. Our range of services includes a comprehensive system and safety check. On request, we can also locate leaks and measure your energy efficiency level for a fee.

Determining your compressed air requirements

We will identify your compressed air requirements together with you, taking into consideration the air flow rate, most suitable air quality and pressure requirements as well as the number of connection points and their location.

Additional costs resulting from leaks

ø leak [mm]	Air loss at 6 bar [l/sec.]	Energy loss/year at 8,760 h/a and € 0.19/kWh	
		[kWh]	[€]
1	1.24	2.891	549.29
3	11.14	26.017	4.943.23
5	30.95	72.270	13.731.30

Source: Bavarian Environmental Protection Agency (Hrsg.):
"Protect the Climate - Reduce Costs: Guideline for efficient energy
use in trade and industry", 1st edition, Augsburg, 2004

Leak measurement and location

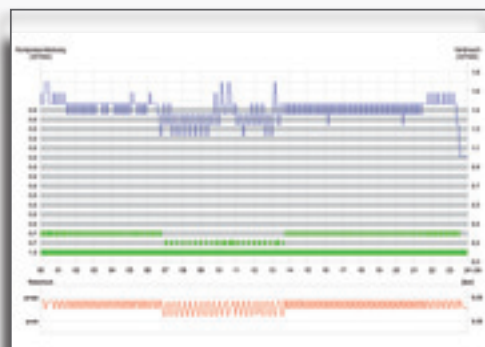
Leaks in the conduit system can increase costs considerably. On average, 5% of the air in systems in smaller industrial and workshop networks leaks, whereas as much as 10-15%* can leak from larger networks.

We measure how much air escapes from your system. If there is a need for action, we will locate the leaks and repair them on request.

Increase the energy efficiency of your system!

Our specially trained employees would be glad to assess your entire compressed air system to identify potential for savings. The capacity utilisation of your system, pressure history, air consumption, pressure dew point as well as duty and idle cycles are measured for a whole week.

Our employees can determine the current energy requirements of your system, identify leaks and wear, optimise the operating performance of your compressor and reduce **energy costs** by analysing this data. Furthermore, targeted improvements to your system can **extend maintenance intervals**, **increase system reliability**, **improve working results** and **minimise wear on your tools**.



* Percentage values based on consumption during production periods.
Data: Bavarian Environmental Protection Agency

Consultation and system planning



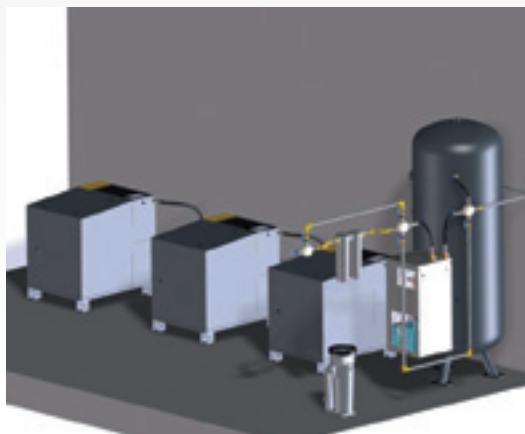
The specialists from Schneider aircsystems identify which is the most suitable compressed air solution for your needs – individually adapted to your requirements. Irrespective of whether you are planning to install a new system or optimise your existing one, Schneider aircsystems is the right partner for designing efficient compressed air systems.

Calculating potential for optimisation

Our specialists can calculate the achievable optimisation potential and resulting savings based on the results of the status and requirements analysis.

System and project planning

Achieve maximum efficiency in your system: we will adapt your compressed air system in line with your pressure requirements, your existing tools and the installation location, including condensate and compressed air conditioning units, conduit system and essential peripheral equipment such as a power supply or ventilation unit. We would be glad to provide you with 2D and 3D installation drawings for your project.



Conduit system design

An efficient compressed air system must include a well designed conduit network. We will design the perfect conduit system with appropriate connection points for you based on your individual requirements analysis. A correctly designed conduit system minimises the pressure lost from the line. The compression power is kept to a minimum and efficiency is increased as a result!

Designing your compressed air system – Call the professionals!

We would be glad to help you design your compressed air system and determine the required air flow rate, the most suitable air quality for your application and pressure requirements with consideration for the long-term future development of your company. We will then recommend the most suitable compressor based on your requirements.

Service hotline
07121 959-199

Installation and commissioning

Once the compressed air system is designed according to your individual requirements, we will take care of the installation and make sure that your system is ready for operation on schedule and to your full satisfaction. You can decide yourself which services to choose.

After installation, our qualified specialist staff will commission your compressed air system, configure the parameters according to your requirements and carry out a full function test. You and your employees will then receive detailed instructions on how to operate the system.



Maintenance and servicing

If your system is due for maintenance or repairs, you can count on us. We will take care of any servicing work and our nationwide service network is guaranteed to process your request quickly.

Maintenance

We accept service at face value and offer you a maintenance contract specifically for your compressed air system. Have your system maintained professionally and take advantage of benefits such as a warranty extended to 3 years, outstanding functionality, maximum operational reliability and professionally maintained equipment. Of course, we offer one-off maintenance for anyone who is not able to commit to a full service plan.

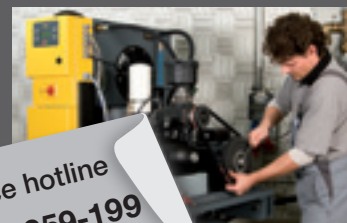
Repair service

You can hand over small machines to our service partners. Larger systems are repaired directly on site so you can start using them again as soon as possible.



System failure – Call the professionals!

Should your system ever fail, you can contact our **professional specialist advisors** directly on the **Service Hotline +49(0)7121 959-199**. They will keep downtimes to a minimum, make sure that your machines are repaired **professionally** and minimise repair costs wherever possible.



Service hotline
07121 959-199

