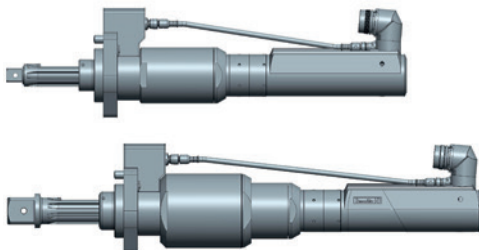


EFDS High Torque fixtured electric spindles

Software release 2.3.1

User manual

Model	Part number	Series
EFDS80-330	6151660330	C
EFDS80-450	6151660340	C
EFDS80-680	6151660350	C
EFDS80-950	6151660360	C
EFDS106-1100	6151660370	C
EFDS106-1600	6151660380	C
EFDS106-1900	6151660390	C



WARNING



WARNING

Read all safety warnings (including the ones of the separately provided safety instructions n° 6159931790) and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
 Save all warnings and instructions for future reference.

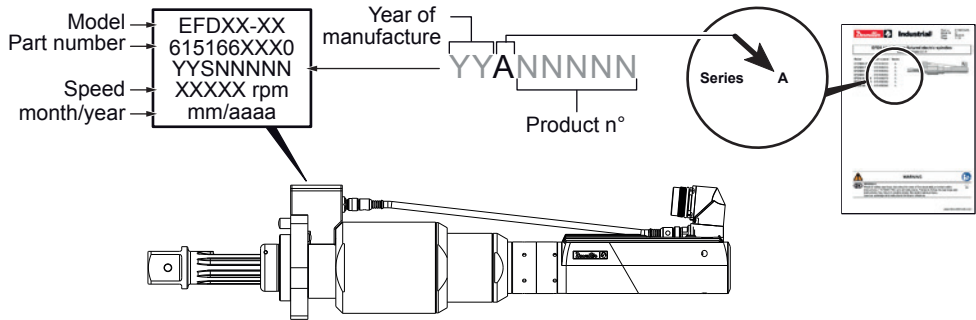


19



PAP

IDENTIFICATION



TECHNICAL DATA

Model	Part number	Torque range						Rated speed	Weight	
		Nm			ft.lb			rpm	kg	lb.
		Min.	Nom.	Max.	Min.	Nom.	Max.			
EFDS80-330	6151660330	30	330	360	22.1	243.4	265.5	299	10.2	22.4
EFDS80-450	6151660340	45	450	500	33.2	331.9	368.8	218	10.2	22.4
EFDS80-680	6151660350	70	680	740	51.6	501.5	545.8	145	10.2	22.4
EFDS80-950	6151660360	100	950	1050	73.8	700.7	774.4	103	10.2	22.4
EFDS106-1100	6151660370	110	1100	1150	81.1	811.3	848.2	93	15.3	33.7
EFDS106-1600	6151660380	160	1600	1700	118.0	1180.1	1253.9	59	15.9	35.1
EFDS106-1900	6151660390	190	1900	2000	140.1	1401.4	1475.1	47	15.9	35.1

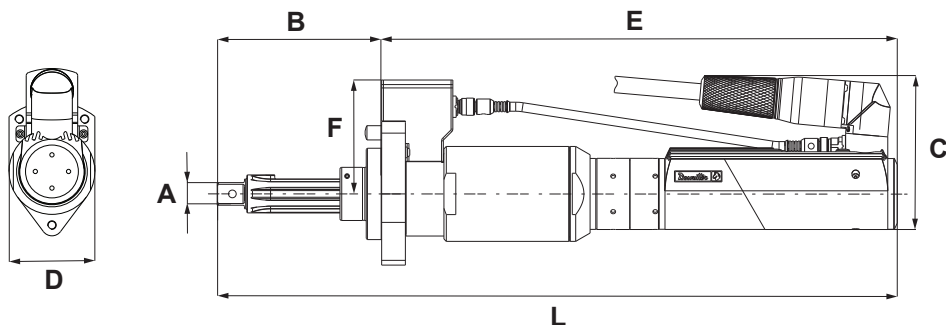
Find more information and your Desoutter contacts on:

www.desouttertools.com

Software and documentation available at:

<http://resource-center.desouttertools.com>
No login/password required.

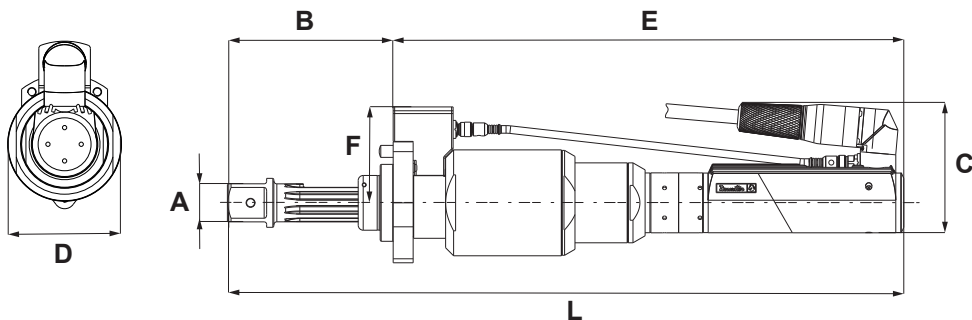
DIMENSIONING - EFDS80



Model	Part number	A	B		L		C		D		E		F	
		Ø mm	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EFDS80-330	6151660330	3/4"	139	5.47	573	22.56	130	5.12	80	3.15	435	17.13	96	3.78
EFDS80-450	6151660340	3/4"	139	5.47	573	22.56	130	5.12	80	3.15	435	17.13	96	3.78
EFDS80-680	6151660350	1"	147	5.79	581	22.87	130	5.12	80	3.15	435	17.13	96	3.78
EFDS80-950	6151660360	1"	147	5.79	581	22.87	130	5.12	80	3.15	435	17.13	96	3.78

Telescopic stroke: 60 mm (2.36 in.)

DIMENSIONING - EFDS106



Model	Part number	A	B		L		C		D		E		F	
		Ø mm	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EFDS106-1100	6151660370	1"	146	5.75	622	24.49	130	5.12	106	4.17	476	18.74	96	3.78
EFDS106-1600	6151660380	1 1/2"	166	6.53	677	26.65	130	5.12	106	4.17	511	21.12	96	3.78
EFDS106-1900	6151660390	1 1/2"	166	6.53	677	26.65	130	5.12	106	4.17	511	21.12	96	3.78

Telescopic stroke: 60 mm (2.36 in.)

OPTIONAL ACCESSORIES

Name	Description	Length m	Part number
Connecting cable	Tool cable	2.5	6159176510
	Tool cable	5	6159176520
	Tool cable	10	6159176540
	Tool cable	15	6159176550
Extension cable	Extension cable	8	6159175810
	Extension cable	16	6159175840
	Extension cable	32	6159175870
	Extension cable	50	6159175890
Transducer holder	3/4" square drive	-	6153964290
	1" square drive	-	6153964300

INSTALLATION

FIGURE A

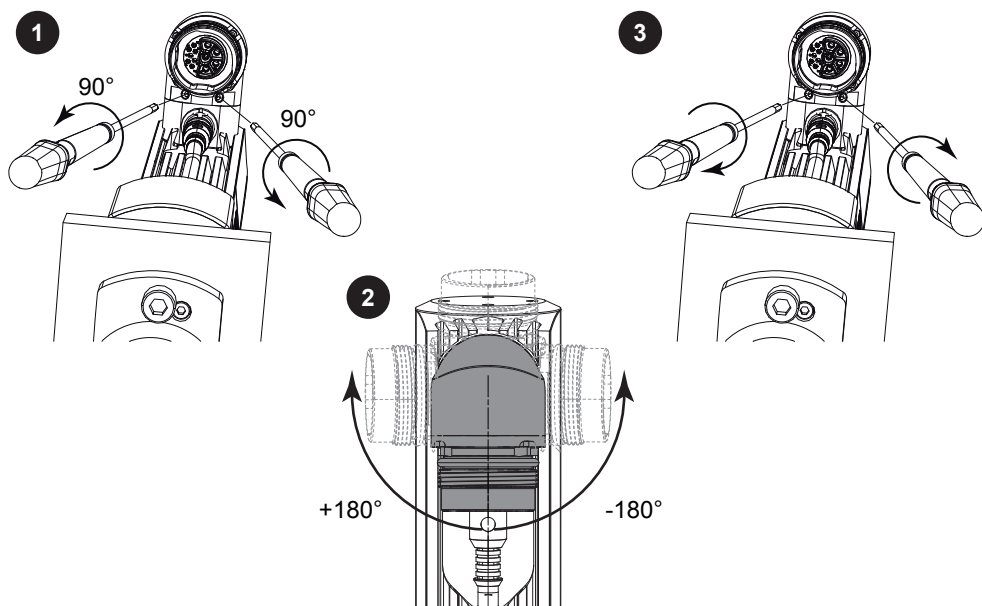
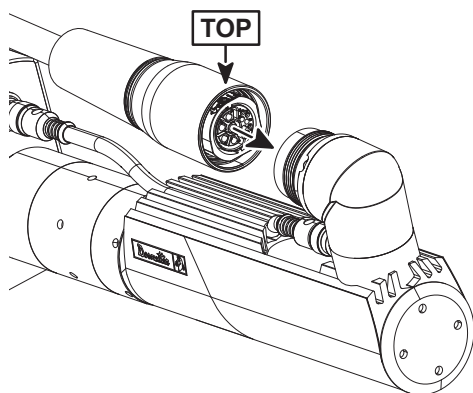
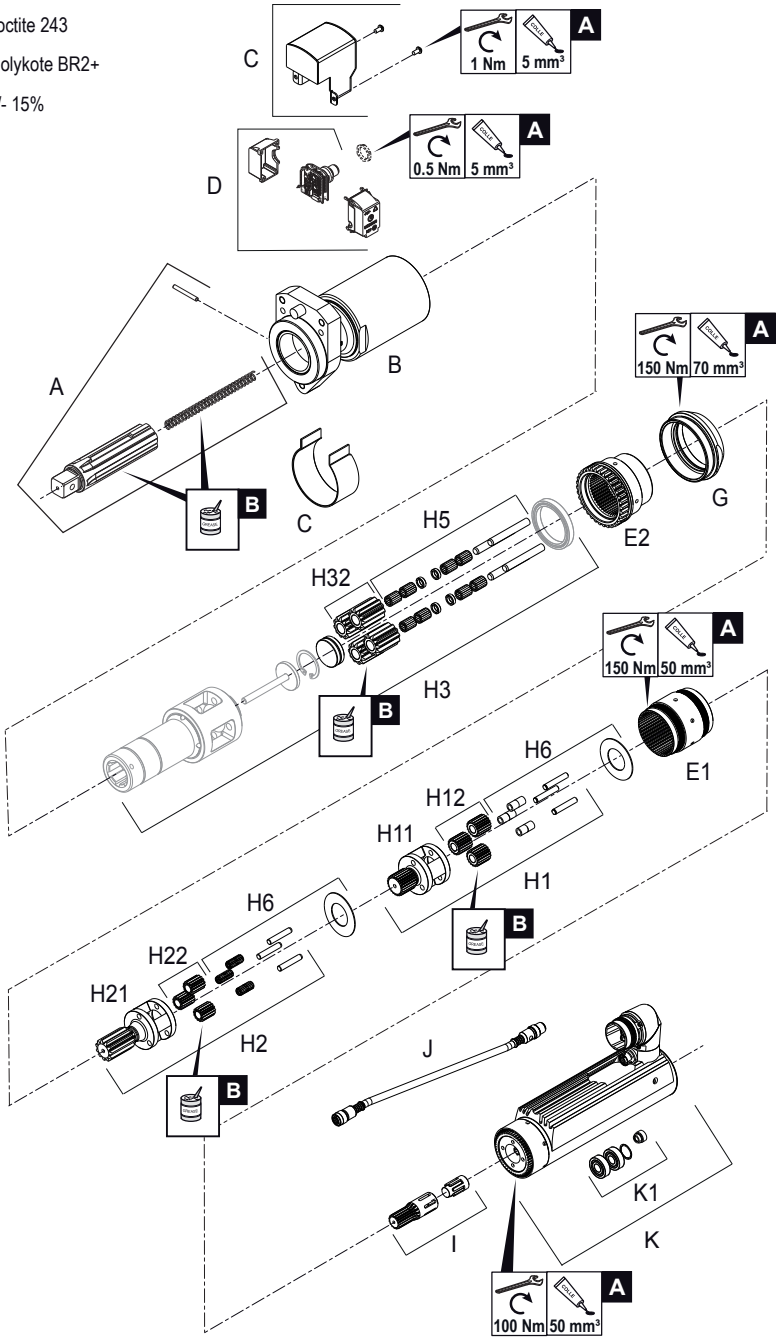


FIGURE B

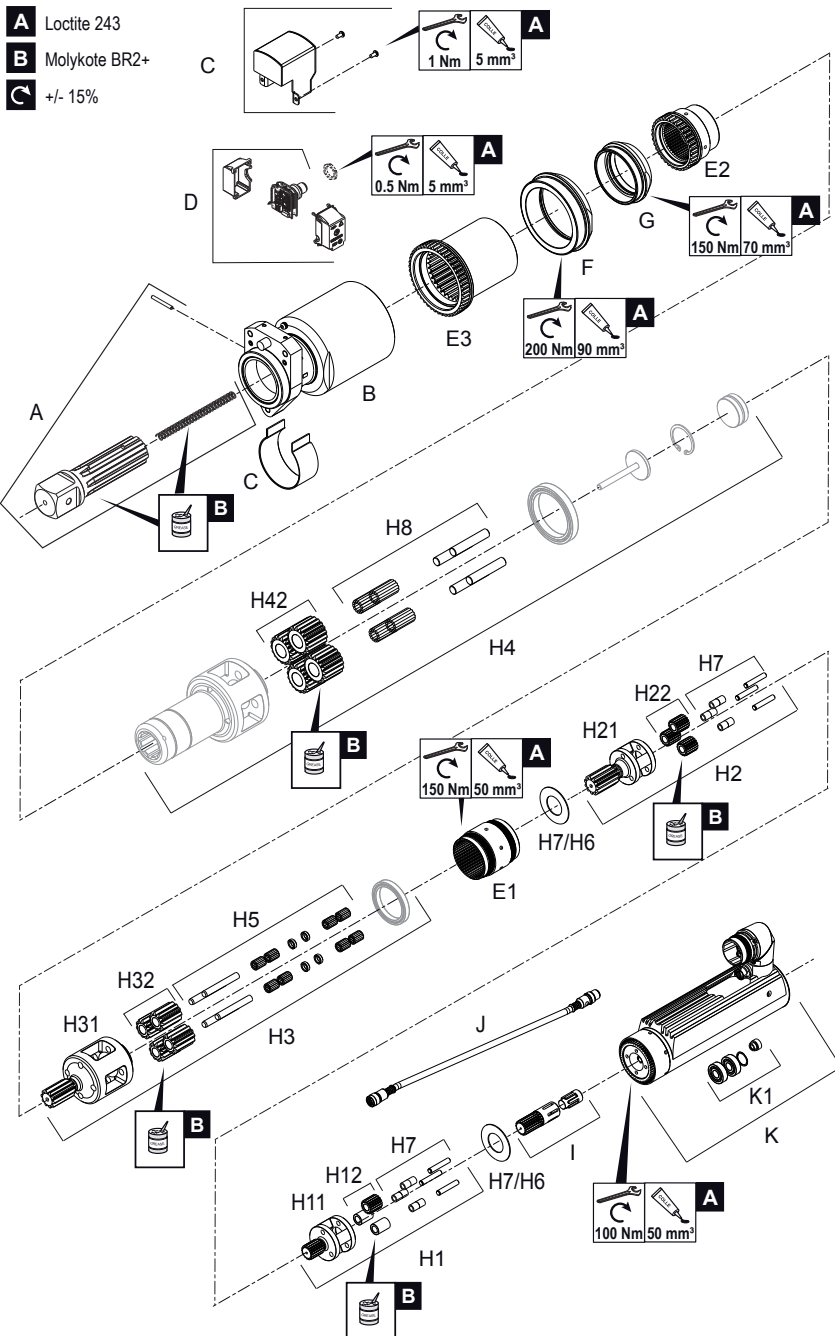


SPARE PARTS - EXPLODED VIEW - EFDS80

- A** Loctite 243
- B** Molykote BR2+
- C** +/- 15%

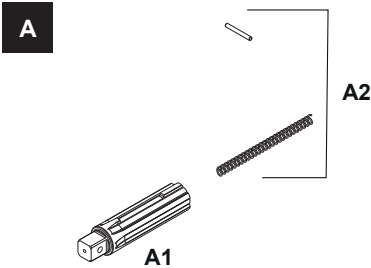


SPARE PARTS - EXPLODED VIEW - EFDS106



SPARE PARTS - LIST

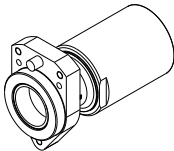
Ouput items



			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
Item	Description	Part number	Qty							Service level		
A	Ouput items	-										
A1	3/4" shaft	6155210760	1	1								X
A1	1" shaft	6155210740			1	1						X
A1	1" shaft	6155210750					1					X
A1	1" 1/2 shaft	6155011900						1	1			X
A2	Output small parts kit	6153992250	1	1	1	1	1	1	1	X		
	Spring	-	1	1	1	1	1	1	1			
	Needle	-	1	1	1	1	1	1	1			

Transducer kits

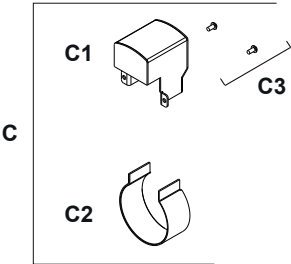
B



			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
Item	Description	Part number	Qty							Service level		
B	Transducer kit	6155680325	1	1								X
B	Transducer kit	6155680345			1	1						X
B	Transducer kit	6155680335					1	1	1			X

Metallic protective cover kit

C



			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
Item	Description	Part number	Qty							Service level		
C	Metallic protective cover kit	6153992240	1	1	1	1	1	1	1			X
	C1 Top cover	-	1	1	1	1	1	1	1			
	C2 Bottom cover	-	1	1	1	1	1	1	1			
	C3 Screw	-	2	2	2	2	2	2	2			

Electronic board and cover items

D		Part number	Qty								Service level		
			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900		High	Medium	Low
D	Electronic board and cover items	-											
D1	Electronic board kit	6159190835	1	1	1	1	1	1	1				X
D2	Plastic protective cover kit	6153982465	1	1	1	1	1	1	1				X

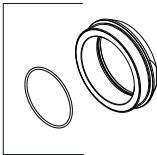
Gear ring items

E		Part number	Qty								Service level		
			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900		High	Medium	Low
E	Gear ring items	-											
E1	Gear ring DIA60 M1 Z49	6154761090	1	1	1	1	1	1	1		X		
E2	Gear ring M1 Z49	6154760830	1	1	1	1		1	1			X	
E2	Gear ring DIA60 M1 Z49	6154761300					1				X		
E3	Gear ring DIA80 M2 Z33	6154760680					1	1	1		X		

Nut ring kit

F

F

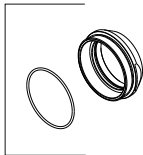


Item	Description	Part number	Qty							Service level		
			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
F	Nut ring	6156071425					1	1	1			X
	O-ring	-					1	1	1			

Nut kit

G

G



Item	Description	Part number	Qty							Service level		
			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
G	Nut	6156071505	1	1	1	1	1	1	1			X
	O-ring	-	1	1	1	1	1	1	1			

Gearbox items

H					EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
Item		Description	Part number	Qty								Service level		
H	H1	Stage DIA60 M1 Z23 R4.267x3.13	6153991380	1								X		
	H11	Planet carrier	6154752990	1									X	
	H12	Planet M1 Z17 R4.267 (set of 3)	6154701855	1								X		
	H7	Kit small parts - stage DIA60 - type A	6153992300	1								X		
		Needle	-	3										
		Cage needle bearing	-	6										
		Washer	-	2										
	H1	Stage DIA60 M1 Z23 R5.455x3.13	6153977620	1								X		
	H11	Planet carrier	6154751500	1									X	
	H12	Planet M1 Z19 (Set of 3)	6154701085	1								X		
	H7	Kit small parts - stage DIA60 - type A	6153992300	1								X		
		Needle	-	3										
		Cage needle bearing	-	6										
		Washer	-	2										
	H1	Stage DIA60 M1 Z17 R7.125x3.882	6153980050		1							X		
	H11	Planet carrier	6154751670		1								X	
	H12	Planet M1 Z20 (set of 3)	6154701075		1							X		
	H7	Kit small parts - stage DIA60 - type A	6153992300		1							X		
		Needle	-		3									
		Cage needle bearing	-		6									
		Washer	-		2									
	H1	Stage DIA60 M1 Z11 R7.125x5.455	6153977640			1						X		
	H11	Planet carrier	6154751940			1							X	
	H12	Planet M1 Z20 (set of 3)	6154701075			1						X		
	H7	Kit small parts - stage DIA60 - type A	6153992300			1						X		
		Needle	-			3								
		Cage needle bearing	-			6								
		Washer	-			2								
	H2	Stage DIA60 M2 Z10 R3.13x4.3	6153991400		1							X		
	H21	Planet carrier	6154753000		1								X	
	H22	Planet M1 Z13 (set of 3)	6154701105		1							X		
	H7	Kit small parts - stage DIA60 - type A	6153992300		1							X		
		Needle	-			3								
		Cage needle bearing	-			6								
		Washer	-			2								

			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
Item	Description	Part number	Qty							Service level		
H2	Stage DIA60 M2 Z11 R5.455x4	6153991420				1					X	
	H21 Planet carrier	6154751520				1						X
	H22 Planet M1 Z19 (set of 3)	6154701085				1					X	
H6	Kit small parts - stage DIA60 - type C	6153992310				1				X		
	Needle	-				90						
	Spacer	-				3						
	Pin dia6 M6	-				3						
	Washer	-				2						
H1	Stage DIA60 M1 Z23 R3.882x3.13	6153978030					1				X	
	H11 Planet carrier	6154751470					1					X
	H12 Planet M1 Z16 (set of 3)	6154701095					1				X	
H7	Kit small parts - stage DIA60	6153993250					1			X		
	Needle bearing	-					6					
	Pin dia6 M6	-					3					
	Washer	-					2					
H1	Stage DIA60 M1 Z17 R3.882x3.882	6153980060						1			X	
	H11 Planet carrier	6154752550						1				X
	H12 Planet M1 Z16 (set of 3)	6154701095						1			X	
H7	Kit small parts - stage DIA60 - type A	6153992300						1		X		
	Needle	-						3				
	Cage needle bearing	-						6				
	Washer	-						2				
H2	Stage DIA60 M2 Z11 R3.13x4	6153979100	1				1				X	
	H21 Planet carrier	6154751460	1				1					X
	H22 Planet M1 Z13 (set of 3)	6154701105	1				1				X	
H7	Kit small parts - stage DIA60	6153993250	1				1			X		
	Needle bearing	-	6				6					
	Pin dia6 M6	-	3				3					
	Washer	-	2				2					

			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
Item	Description	Part number	Qty							Service level		
H2	Stage DIA60 M2 Z11 R3.882x4	6153991410			1				1		X	
	H21 Planet carrier	6154751490			1				1			X
	H22 Planet M1 Z16 (set of 3)	6154701095			1				1		X	
H7	Kit small parts - stage DIA60	6153993250			1				1	X		
	Needle bearing	-			6				6			
	Pin dia6 M6	-			3				3			
	Washer	-			2				2			
H2	Stage DIA60 M2 Z10 R7.125x4.3	6153991430					1				X	
	H21 Planet carrier	6154753010					1					X
	H22 Planet M1 Z20 (set of 3)	6154701075					1				X	
H7	Kit small parts - stage DIA60 - type A	6153992300					1			X		
	Needle	-					3					
	Cage needle bearing	-					6					
	Washer	-					2					

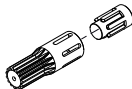
Gearbox items

H				EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
Item	Description	Part number	Qty								Service level		
H	Gearbox items	-											
H3	Stage DIA80 M2 R4	6153991450	1	1	1							X	
	Pin	-	4	4	4								
	Single needle spacer	-	4	4	4								
	Circlip	-	1	1	1								
	Spring guide	-	1	1	1								
	End plate	-	1	1	1								
	O-ring	-	1	1	1								
	Bearing roller	-	120	120	120								
	Ball bearing	-	1	1	1								
H31	Planet carrier	6154753020	1	1	1								X
H32	Planet M2 Z11 (set of 4)	6154701865	1	1	1							X	
H5	Kit small parts - stage DIA80	6153992320	1	1	1						X		
	Pin	-	4	4	4								
	Spacer	-	1	1	1								
	Bearing roller	-	120	120	120								
H3	Stage DIA80 M2 R4.3	6153991460	1									X	
	Pin	-	4										X
	Single needle spacer	-	4										
	Circlip	-	1										
	Spring guide	-	1										
	End plate	-	1										
	O-ring	-	1										
	Bearing roller	-	120										
	Ball bearing	-	1										
H31	Planet carrier	6154753030	1										X
H32	Planet M2 Z11 R4.3 (set of 4)	6154701875	1									X	
H5	Kit small parts - stage DIA80	6153992320	1								X		
	Pin	-	4										
	Spacer	-	1										
	Bearing roller	-	120										
H3	Stage DIA80 M2 Z10 R4.3x5,6	6153991470					1					X	
	Pin	-					4						
	Spacer	-					1						
	Bearing roller	-					120						
	Ball bearing	-					1						
H31	Planet carrier	6154753040	1										X
H32	Planet M2 Z11 R4.3 (set of 4)	6154701875	1									X	
H5	Kit small parts - stage DIA80	6153992320					1				X		
	Pin	-					4						
	Spacer	-					1						
	Bearing roller	-					120						

Item	Description	Part number	Qty							Service level		
			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900	High	Medium	Low
H3	Stage DIA80 M2 Z10 R4x5,6	6153991480					1	1		X		
	Pin	-					4	4				
	Spacer	-					1	1				
	Bearing roller	-					120	120				
	Ball bearing	-					1	1				
H31	Planet carrier	6154753050					1	1				X
H32	Planet M2 Z11 (set of 4)	6154701865					1	1		X		
H5	Kit small parts - stage DIA80	6153992320					1	1	X			
	Pin	-					4	4				
	Spacer	-					1	1				
	Bearing roller	-					120	120				
H4	Stage DIA106 M2 R5,6	6153991490					1	1	1	X		
	Needle	-					4	4	4			
	Needle	-					52	52	52			
	End plate	-					1	1	1			
	Spring guide	-					1	1	1			
	O-ring	-					1	1	1			
	Circlip	-					1	1	1			
	Bearing	-					1	1	1			
	Planet carrier DIA106 M2 R5.6	-					1	1	1			
H42	Planet M2 Z11 (Set of 4)	6154701065					1	1	1		X	
H8	Kit small parts - stage DIA106	6153992330					1	1	1	X		
	Needle	-					4	4	4			
	Needle	-					52	52	52			

Sun coupling items

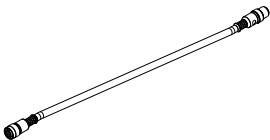
I



Item	Description	Part number	Qty								Service level		
			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900		High	Medium	Low
I	Sun coupling DIA60 M1 Z15 R4.267	6153991520	1									X	
I	Sun coupling DIA60 M1 Z11 R5.455	6153977735		1								X	
I	Sun coupling DIA60 M1 Z8 R7.125	6153977740			1	1	1					X	
I	Sun coupling DIA60 M1 Z17 R3.882	6153979510						1	1			X	

Cable items

J

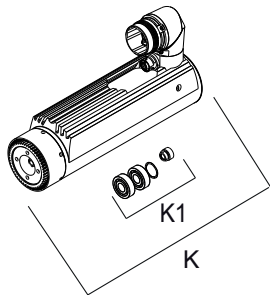


Item	Description	Part number	Qty								Service level		
			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900		High	Medium	Low
J	Cable M12 Length=350mm	6159174260	1	1	1	1							X
J	Cable M12 Length=395mm	6159174230					1						X
J	Cable M12 Length=410mm	6159174240						1	1				X



Motor kit

K



Item	Description	Part number	Qty								Service level		
			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900		High	Medium	Low
K	Motor kit	6153942955	1	1	1	1	1	1	1		X		
K1	Bearing motor kit	6153982110	1	1	1	1	1	1	1		X		

Cable connector items

L



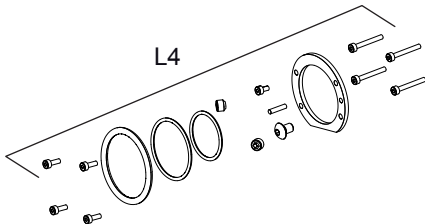
L1



L2



L3



L4

Item	Description	Part number	Qty								Service level		
			EFDS80-330	EFDS80-450	EFDS80-680	EFDS80-950	EFDS106-1100	EFDS106-1600	EFDS106-1900		High	Medium	Low
L1	Orientable connector	6155100010	1	1	1	1	1	1	1				X
L2	Connector support	6155654620	1	1	1	1	1	1	1				X
L3	Tool connector socket	6155654630	1	1	1	1	1	1	1				X
L4	Connector service kit	6153982080	1	1	1	1	1	1	1				X

Original instructions.

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44818 St Herblain, FR

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STATEMENT OF USE

Tool (class I) suitable for industrial environment only. It shall be used for tightening or loosening joints in wood, metal or plastic material.

No other use permitted.

For professional use only.

TECHNICAL DATA

- See page 2.

Normal environmental conditions

(for IEC 61010-1 standard)

- Temperature: 5°C to 40°C.
- Maximum relative humidity: 80% for temperatures up to 31°C.
- Altitude up to 2,000 m.
- Usable in Pollution degree 2 environment: indoor use only.

Declaration of noise and vibration emission

See page 21.



Vibration levels.



Sound levels.

a_{hd}, **a_h**: Vibration levels.

K / K_{pA} = K_{WA} = 3 dB : Uncertainty.

L_{pA} : Sound pressure level.

L_{WA} : Sound power level.

All values are current as of the date of this publication. For the latest information please visit www.desouttertools.com.

These declared values were obtained by laboratory type testing in accordance with the stated standards and are suitable for comparison with the declared values of other tools tested in accordance with the same standards. These declared values are not adequate for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an

individual user are unique and depend upon the way the user works, the workpiece and the workstation design, as well as upon the exposure time and the physical condition of the user.

We, Desoutter, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed. An EU guide to managing hand-arm vibration can be found by accessing <http://www.pneurop.eu/index.php> and selecting 'Tools' then 'Legislation'.

We recommend a programme of health surveillance to detect early symptoms which may relate to noise or vibration exposure, so that management procedures can be modified to help prevent future impairment.

INSTALLATION

See page 5.



The tool can reach high temperatures during use. It is necessary to protect all persons of the risk of burns by a material or immaterial barrier, or warn him with an appropriate symbol.

On the other hand, the power cord should be placed so as to avoid prolonged contact with the hottest part of the tool (motor).

The tool has a thermal protection, which switch off operation when it has reached a too high temperature. It is the responsibility of the user to configure the tool to operate within the established maximum temperatures.

It is possible to rotate the connector by loosening the two screws that freeze the position (see "Figure A").

- Plug the cable with help of TOP indication. (see "Figure B").
- Any direct pull on the cable should be avoided.



- Be sure that the motor is free of motion to enable torque measurement.

The cable shall not apply traction to the tool.



OPERATING MODE



Make sure that the tool is in perfect working order and the controller is programmed correctly, to reduce the risk of injury to the operator as a result of unexpected behaviour of the tool.

Power supply by means of CVI3 controller with the appropriate embedded program version.

MAINTENANCE INSTRUCTIONS

Maintenance should be performed by qualified personnel only.

- Prior to any maintenance task:
 - disconnect the tool.
 - check that the controller is switched off.
 - disconnect the cable.



Overhaul and preventive maintenance is recommended at regular intervals once per year or after maximum 1.000.000 tightenings for tools up to 950 Nm -500.000 tightenings otherwise- depending on which occurs sooner.

Assembly and disassembly

- When disassembling the tool electronics, take extra care for the wires when pulling out the connectors.
- When disassembling the tool front assemblies, take care for the torque transducer wires.
- Follow standard engineering practices and refer to figures/exploded view for the mounting of component subassemblies.
- Prior to putting the equipment back into service, check that its main settings have not been modified and that the safety devices work properly.

Meaning of the pictograms



Left hand thread



When reassembling, apply the recommended glue



When reassembling, tighten to the required torque



When reassembling, lubricate with the required grease or oil.

Lubrication

- Do not apply too much grease on gears or bearings; a thin coat shall be sufficient.



The use of spare parts other than those originally supplied by the manufacturer may result in a drop in performance or in increased maintenance and level of vibration and in the full cancellation of the manufacturer's liability.



When disposing of components, lubricants, etc... ensure that the relevant safety procedures are carried out.



According to Directive 2012/19/CE concerning Waste Electrical and Electronic Equipment (WEEE), this product must be recycled.



- Contact your Desoutter representative or consult the website "www.desouttertools.com" to find out where you can recycle this product.

NOISE AND VIBRATION EMISSION

Model	Part number	ISO 61010		ISO 61010	
		a_{hd} m/s ²	K m/s ²	L_{pA} dB(A)	L_{WA} dB(A)
EFDS80-330	6151660330	< 2.5 m/s ²		< 70 dB(A)	
EFDS80-450	6151660340				
EFDS80-680	6151660350				
EFDS80-950	6151660360				
EFDS106-1100	6151660370				
EFDS106-1600	6151660380				
EFDS106-1900	6151660390				

Name and content of harmful substances in products

产品中有害物质的名称及含量

部件名称	有毒有害物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
马达 / Motor	x	o	o	o	o	o
齿轮组件 / Gear Unit	x	o	o	o	o	o
输出轴组件 / Front Part	o	o	o	o	o	o
传感器 / Transducer	o	o	o	o	o	o
本表格依据SJ/T11364的规定编制 ○：表示该有毒有害物质在该部件所有均质材料中的含量均在GB/T 26572 规定的限量要求以下。 ×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572标准规定的限量要求。						



DECLARATION OF INCORPORATION



Doc No. 6159963930

Issue No. 02

This machine must not be put into service until the machinery, in which it is intended to be incorporated into or assembled with, has been declared in conformity with the provisions of the Supply of Machinery (Safety) Regulations 2008.

We :

Ets Georges Renault
38 rue Bobby Sands – BP 10273
44818 Saint Herblain – France

Technical file available from EU headquarter.

P.Roussy, R&D Manager
Ets Georges Renault
38 rue Bobby Sands – BP 10273
44818 Saint Herblain – France

declare under our sole responsibility that the product(s):

FIXTURED ELECTRIC SPINDLE

Machine type(s) :

Model	P/N
EFDS80-330	6151660330
EFDS80-450	6151660340
EFDS80-680	6151660350
EFDS80-950	6151660360
EFDS106-1100	6151660370
EFDS106-1600	6151660380
EFDS106-1900	6151660390

Origin of the product : France

is in conformity with the following UK Regulations :

to “Electromagnetic Compatibility Regulations 2016”

to “Supply of Machinery (Safety) Regulations 2008”

to “The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012”

Designated standard(s) applied :

EN ISO 12100 :2010
EN 60204-1 :2006/A1 :2009
EN 61010-1 :2010
EN 61326-1 :2013 Class A/Industrial
EN61326-2-3 :2013

NAME and POSITION of issuer :

Pascal ROUSSY
(R&D Manager)

Place & date : Saint-Herblain, 03/02/2022

UK Authorized Representative :

Air Compressors & Tools Ltd
Zodiac – Unit 4
Boundary way
Hemel Hempstead Industrial Estate
HP27SJ Hempsstead
Hertfordshire – UK
M.Taylor

Contact :



(1)

DECLARATION OF INCORPORATION

(Fr) DECLARATION D'INCORPORATION



DEUTSCH (GERMAN)

(1) **ERKLÄRUNG ZUM EINBAU KONFORMITÄTSERKLÄRUNG** - (2) Wir, - (3) Technische Datei beim EU - (4) erklären unter unserer alleinigen Verantwortung, daß das (die) Produkt(e) : - (5) Typ(en) : - (6) Produktherkunft - (7) den Anforderungen der EG-Richtlinie zur Angleichung der Rechtsvorschriften der Mitgliedsstaaten - (8) für "**Maschinen**" 2006/42/EG (17/05/06) - (9) für "**Elektromagnetische Störfreiheit**" 2014/30/EU (26/02/14) - (10) für "**Niederspannung**" 2014/35/EU (26/02/14) - entspricht (entsprechen). - (11) geltende harmonisierte Norm(en) - (12) NAME und EIGENSCHAFT des Ausstellers : - (13) Datum : (14) für "**Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten**" 2011/65/EU (08/06/11)

NEDERLANDS (DUTCH)

(1) **VERKLARING VAN INTEGRATIE** - (2) Wij, - (3) Technisch bestand verkrijgbaar - (4) verklaren onder onze eigen verantwoordelijkheid dat de/het product(en) : - (5) type : - (6) Herkomst van het product - (7) in overeenstemming is (zijn) met de vereisten van de richtlijn van de Raad inzake de onderlinge aanpassing van de wetgevingen van de lidstaten betreffende : (8) "**machines**" 2006/42/CEE (17/05/06) - (9) "**elektromagnetische compatibiliteit**" 2014/30/EU (26/02/14) - (10) "**laagspanning**" 2014/35/EU (26/02/14) - (11) geldige geharmoniseerde norm(en) - (12) NAAM en FUNCTIE van de opsteller : - (13) Datum - (14) "**Betreffende beperking van het gebruik van bepaalde gevaarlijke stoffen in elektrische en elektronische apparatuur**" 2011/65/EU (08/06/11)

SVENSKA (SWEDISH)

(1) **DEKLARATION OM INMONTERAD ÖVERENSSTÄMMELSE** - (2) Vi, - (3) Teknisk fil tillgänglig från - (4) Förklarar intygar helt och hållet på eget ansvar att produkt(erna) : - (5) Maskintyp : - (6) Produktens ursprung - (7) För vilken denna deklARATION gäller, överensstämmer med kraven i Ministerrådets direktiv om harmonisering av medlemsstaternas lagar rörande : (8) "**maskiner**" 2006/42/EG (17/05/06) - (9) "**elektromagnetisk kompatibilitet**" 2014/30/EU (26/02/14) - (10) "**lågspänning**" 2014/35/EU (26/02/14) - (11) Harmoniserade standarder som tillämpats : - (12) Utfärdarens namn och befattning : - (13) Datum : - (14) "**Begränsning av användning av vissa farliga ämnen i elektrisk och elektronisk utrustning**" 2011/65/EU (08/06/11)

NORSK (NORWEGIAN)

(1) **ERKLÆRING OM INNLEMMELSE OVERENSSTEMMELSE** - (2) Vi, - (3) Teknisk dokument tilgjengelig - (4) Erklærer under vårt eneansvar at produktet/produktene : - (5) av type : - (6) Produktets opprinnelse - (7) er i overensstemmelse med de krav som finnes i Ministerrådets direktiver om tilnærming av Medlemsstatenes lover vedrørende : - (8) "**maskiner**" 2006/42/EF (17/05/06) - (9) "**elektromagnetisk kompatibilitet**" 2014/30/EU (26/02/14) - (10) "**lavspenning**" 2014/35/EU (26/02/14) - (11) Harmoniserende standarder som er anvendt : - (12) Utsteders navn og stilling : - (13) Dato : - (14) "**2011/65/EU** (08/06/11)

DANSK (DANISH)

(1) **KONFORMITÆTSERKLÆRING** - (2) Vi, - (3) Teknisk dokument kan fås på - (4) erklærer under eneansvar, at produktet(erne) : - (5) type : - (6) Produktets oprindelse - (7) er i overensstemmelse med kravene i Rådets Direktiv vedr. tilnærmelse mellem medlemslandenes love for : (8) "**maskiner**" 2006/42/EF (17/05/06) - (9) "**elektromagnetisk kompatibilitet**" 2014/30/EU (26/02/14) - (10) "**lavspænding**" 2014/35/EU (26/02/14) - (11) Gældende harmoniserede standarder : - (12) Udsteder, navn og stilling : - (13) Dato - (14) "**Begrænsning af anvendelsen af visse farlige stoffer i elektrisk og elektronisk udstyr**" 2011/65/EU (08/06/11)

SUOMI (FINNISH)

(1) **LIITYMISILMOITUS** - (2) Me Toiminimi, - (3) Tekniset tiedot saa EU:n - (4) vakuumattome yksinomaissella vastuullamme, että tuote / tuotteet : - (5) tyyppi(-pit) : - (6) Tekniset tiedot saa EU:n - (7) on / ovat yhdenmukainen(-sia) neuvoston jäsenmaita lähtien ääntäntä koskevien direktiivien vaatimusten kanssa, jotka koskevat : - (8) "**koneita**" 2006/42/EE (17/05/06) - (9) "**elektromagneettista yhteensopivuutta**" 2014/30/EU (26/02/14) - (10) "**matalajännitteitä**" 2014/35/EU (26/02/14) - (11) yhdenmukaistettu(-tut) soveltuva(t) standardi(t) : - (12) ilmoituksen antajan NIMI ja ASEMA - (13) Päiväys - (14) "**Tiettyjen vaarallisten aineiden käytön rajoittamisesta sähkö- ja elektroniikkalaitteissa**" 2011/65/EU (08/06/11)

ESPAÑOL (SPANISH)

(1) **DECLARACION DE INCORPORACION** - (2) Nosotros, - (3) Archivo técnico disponible en - (4) declaramos, bajo nuestra responsabilidad exclusiva, que el producto/los productos : - (5) tipo de máquina : - (6) Origen del producto - (7) es conforme a los requisitos de la Directiva del Consejo sobre la aproximación de las leyes de los Estados Miembros con relación : (8) a la "**maquinaria**" 2006/42/CE (17/05/06) - (9) a la "**compatibilidad electromecánica**" 2014/30/UE (26/02/14) - (10) a la "**baja tensión**" 2014/35/UE (26/02/14) - (11) normas armonizadas aplicadas : - (12) Nombre y cargo del expedidor : - (13) Fecha - (14) "**Restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos**" 2011/65/UE (08/06/11)

PORTUGUÊS (PORTUGUESE)

(1) **DECLARAÇÃO DE INCORPORAÇÃO CE** - (2) Nós, - (3) Ficheiro técnico disponível na - (4) declaramos, sob nossa exclusiva responsabilidade que o(s) produto(s) : - (5) tipo de máquina : - (6) Origem do produto - (7) está em conformidade com os requisitos da Directiva do Conselho, referente às legislações dos Estados-membros relacionados com : - (8) "**maquinaria**" 2006/42/CE (17/05/06) - (9) "**compatibilidade electromagnética**" 2014/30/UE (26/02/14) - (10) "**baixa tensão**" 2014/35/UE (26/02/14) - (11) Normas harmonizadas aplicáveis : - (12) Nome e cargo do emissor : - (13) Data : - (14) "**Restrição do uso de determinadas substâncias perigosas em equipamentos eléctricos e electrónicos**" 2011/65/UE (08/06/11)

ITALIANO (ITALIAN)

(1) **DICHIARAZIONE DI INCORPORAMENTO CE** - (2) La Società, - (3) File tecnico disponibile dal - (4) dichiariamo, sotto la nostra esclusiva responsabilità che il(i) prodotto(i) : - (5) tipo : - (6) Origine del prodotto - (7) è (sono) in conformità con le esigenze previste dalla Direttiva del Consiglio, sulle legislazioni degli Stati membri relative : - (8) alle "**macchine**" 2006/42/CE (17/05/06) - (9) alla "**compatibilità elettromagnetica**" 2014/30/UE (26/02/14) - (10) alla "**bassa tensione**" 2014/35/UE (26/02/14) - (11) norma(e) armonizzata(e) applicabile(i) : - (12) **NOME** e **FUNZIONE** del dichiarante - (13) Data - (14) "**Restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche**" 2011/65/UE (08/06/11)

ΕΛΛΗΝΙΚΑ (GREEK)

(1) **ΔΗΛΩΣΗ ΕΝΣΩΜΑΤΩΣΗΣ ΕΚ** - (2) Η εταιρεία, - (3) Τεχνικό φά κ ε λ ο ς διαθέ σ ι μ ο ς - (4) δηλώ ν ο υ μ ε με αποκλειστική μας ε υ θ ύ ν η ότι το(τα) προϊόν(-ντα) : - (5) τύπου(-ων) : - (6) Προέ λ ε υ σ η προ ύ ν τ ο ς - (7) είναι σύμφωνα(-α) προς τις απαιτήσεις της Οδηγίας του Συμβουλίου που αφορά την προσέγγιση των νομοθεσιών των κρατών μελών τις σχετικές με : - (8) τα "**μηχανήματα**" 2006/42/ΕΟΚ (17/05/06) - (9) την "**ηλεκτρομαγνητική συμβατότητα**" 2014/30/ΕΥ (26/02/14) - (10) την "**χαμηλή τάση**" 2014/35/ΕΥ (26/02/14) - (11) εφαρμοστέα(-α) εναρμονισμένο(-α) πρότυπο(-α) : - (12) ΟΝΟΜΑ και ΑΡΜΟΔΙΟΤΗΤΑ του δηλούντος : - (13) Ημερομηνία - (14) "**για τον περιορισμό της χρήσης ορισμένων επικινδύνων ουσιών σε ηλεκτρικό και ηλεκτρονικό εξοπλισμό**" 2011/65/ΕΥ (08/06/11)

ČESKY (CZECH)

(1) **PROHLÁŠENÍ O INTEGRACI** - (2) My, firma, - (3) Technický soubor, dostupný - (4) prohlašujeme na svoji výhradu z odpovědnosti, že produkt(y) : - (5) typ přístroje (přístrojů) : - (6) Původ výrobku - (7) je v souladu s požadavky směrnice Rady EU o aproximaci práva členských států EU, a to v těchto oblastech : - (8) "**přístroje**" 2006/42/EC (17/05/06) - (9) "**Elektromagnetická kompatibilita**" 2014/30/EU (26/02/14) - (10) "**Nízké napětí**" 2014/35/EU (26/02/14) - (11) *relevantní harmonizované normy* : - (12) Jméno a funkce osoby, která prohlášení vystavila - (13) Datum - (14) "**omezení používání některých nebezpečných látek v elektrických a elektronických zařízeních**" 2011/65/EU (08/06/11)

MAGYAR (HUNGARIAN) (1) **CE BEÉPÍTÉSI NYILATKOZAT**- (2) Mi, az: - (3) A műszaki leírás az EU-s - (4) kizárólagos felelősségünk tudatában kijelentjük, hogy a következő termék(ek) - (5) géptípus(ok): - (6) A műszaki leírás az EU-s - (7) megfelel(nek) a tagországok törvényeiben megfogalmazott, alábbiakban szereplő tanácsai irányelvek követelményeinek: - (8) **"Gépek, berendezések" 2006/42/EC** (17/05/06) - (9) **"Elektromágneses kompatibilitás" 2014/30/EU** (26/02/14) - (10) **"Alacsony feszültségű szabványok" 2014/35/EU** (26/02/14) - (11) **alkalmazható harmonizált szabvány(ok):** - (12) Kibocsátó neve és adatai - (13) Dátum: - (14) **"egyes veszélyes anyagok elektromos és elektronikus berendezésekben való alkalmazásának korlátozásáról" 2011/65/EU** (08/06/11)

LIETUVIŠKAI (LITHUANIAN) (1) **EB PRISIJUNGIMO DEKLARACIJA DEKLARACIJA** - (2) Mes, - (3) Techninius duomenis galite - (4) deklaruojame, mūsų pačių atsakomybe, kad gaminyis (-iai): - (5) mašinos tipas(-ai): - (6) Produkto klimė - (7) atitinka Europos Tarybos Direktyvų reikalavimus dėl valstybių narių įstatymų, susijusių: - (8) su „**mašinomis**“ **2006/42/EB** (17/05/06) - (9) su „**Elektromagnetinio suderinamumo**“ **2014/30/EB** (26/02/14) - (10) su „**Žemą įtampą**“ **2014/35/EB** (26/02/14)), suderinimo - (11) *taikomi harmonizuoti standartai*: - (12) Išdavusio asmens pavardė ir pareigos - (13) Data - (14) **„tam tikrų pavojingų medžiagų naudojimo elektros ir elektroninėje įrangoje apribojimo“ 2011/65/EU** (08/06/11)

SLOVENŠČINA (SLOVENIAN) (1) **IZJAVA ES O VKLJUČENOSTI**- (2) Mi, (3) Tehnična kartoteka je na voljo - (4) na izključno našo odgovornost izjavljamo, da je izdelek oz. so izdelki: - (5) vrsta stroja (oziroma vrste): - (6) Izvor izdelka - (7) v skladu z zahtevami direktiv Sveta Evrope o približevanju zakonodaje držav članic glede: - (8) **"strojev" 2006/42/ES** (17/05/06) - (9) **"Elektromagnetne združljivosti" 2014/30/ES** (26/02/14) - (10) **"Nizke napetosti" 2014/35/ES** (26/02/14) - (11) *veljavnih harmoniziranih standardov*: - (12) Ime in funkcija izdajatelja - (13) Datum - (14) **"omejevanju uporabe nekaterih nevarnih snovi v električni in elektronski opremi" 2011/65/EU** (08/06/11)

POLSKI (POLISH) (1) **UE – DEKLARACJA WŁĄCZENIA ZGODNOŚCI** - (2) My, firma, - (3) Plik techniczny jest dostępny w - (4) oświadczamy na naszą wyłączną odpowiedzialność, że produkt (produkty): - (5) urządzenie typu (typów): - (6) Pochodzenie produktu - (7) jest (są) zgodne z wymogami Dyrektywy Rady, odpowiadającej ustawodawstwu krajów członkowskich i dotyczącej: - (8) **"maszyn i urządzeń" 2006/42/UE** (17/05/06) - (9) **Zgodności elektro-magnetycznej 2014/30/UE** (26/02/14) - (10) **"niskich napięć" 2014/35/UE** (26/02/14) - (11) *stosowanych norm, wzajemnie zgodnych* : - (12) Nazwisko i stanowisko wydającego deklarację : - (13) Data - (14) **"sprawie ograniczenia stosowania niektórych niebezpiecznych substancji w sprzęcie elektrycznym i elektronicznym" 2011/65/UE** (08/06/11)

SLOVENSKY (SLOVAK) (1) **DEKLARÁCIA ER O LEGÁLNO M USTANOVENÍ SÚHLASE** - (2) My, (3) Technický súbor k dispozícii z - (4) prehlasujeme, vyhlasujeme na našu výhradnú zodpovednosť, že výrobok (y): - (5) strojový typ(y): - (6) Pôvod produktu alebo výrobku - (7) zodpovedá požiadavkom Smerníc rady, týkajúcich sa aproximácie zákonov členských štátov, pre: - (8) **"strojné zariadenia" 2006/42/EC** (17/05/06) - (9) po **"Elektromagnetickej kompatibilitu" 2014/30/EU** (26/02/14) - (10) po **"Nízke napätie" 2014/35/EU** (26/02/14) - (11) *zodpovedajúce harmonizačné normy*: - (12) Meno a funkcia vystavovateľa dokladu - (13) Dátum - (14) **"obmedzení používania určitých nebezpečných látok v elektrických a elektronických zariadeniach" 2011/65/EU** (08/06/11)

LATVISKI (LATVIAN) (1) **EK DEKLARĀCIJA PAR IEKĻĀUŠANU MEHĀNISMA SASTĀVĀ DEKLARĀCIJA** - (2) Mēs, kompānija, - (3) Tehniskais fails pieejams ES - (4) deklarējam, ar pilnu atbildību paziņojam, ka produkts(-i): - (5) ierīces tips (-i): - (6) Izstrādājuma izcelsme - (7) atbilst Padomes Direktīvu prasībām par dalībvalstu likumu piemērošanu, kas attiecas uz: - (8) **"mehānismiem" 2006/42/EK** (17/05/06) - (9) **"elektromagnētisko savietojamību" 2014/30/EK** (26/02/14) - (10) **"zemspriegumu" 2014/35/EK** (26/02/14)- (11) *spēkā esošajam (-iem) saskaņotajam (-iem) standartam (-iem)*: - (12) Pieteicēja vārds un amats - (13) Datums - (14) **"dažu bīstamu vielu izmantošanas ierobežošanu elektriskās iekārtās" 2011/65/EU** (08/06/11)

中文 (CHINESE) (1) **BC 一致性声明** - (2) 我们, - (3) 技术参数资料可以从EU总部获得 - (4) 全权负责声明产品: - (5) 机器类型: - (6) 产品原产地 - (7) 符合会员国立法会议“决定”的相关要求: - (8) **"机械" 2006/42/EC** (17/05/06) - (9) **"电磁相容性" 2014/30/EU** (26/02/14) - (10) **"低电压" 2014/35/EU** (26/02/14) - (11) 适用协调标准: - (12) 发行者名称和地点 - (13) 日期 - (14) **2011/65/EU** (08/06/11)

РУССКИЙ (RUSSIAN) (1) **ЕС ДЕКЛАРАЦИЯ О ВКЛЮЧЕНИИ**- (2) Мы:, - (3) Технический файл можно - (4) с полной ответственностью за являем, что продукт(-ы): - (5) тип оборудования: - (6) Происхождение продукта - (7) соответствует требованиям директивы европейского совета относительно законодательств стран-участниц по: - (8) **"Машиинному оборудованию" 2006/42/ЕС** (17/05/06) - (9) по **"Электромагнитной совместимости" 2014/30/EU** (26/02/14) - (10) по **"Низкому напряжению" 2014/35/EU** (26/02/14) - (11) *применяемые согласованные нормы*: - (12) Фамилия и должность составителя - (13) Дата - (14) **2011/65/EU** (08/06/11)

한국어 (KOREAN)

(1) *동조 선언 및* (2) **지회**: (3) EU 본사에서 기술 자료를 구할 수 있습니다. - (4) 인 책임 하에 선언합니다
다음 제품(들) 이: - (5) 기계 유형(들): - (6) 원산지 - (7) 다음과 관련된 회원 국가들의 법령의 일치에 관한 위원회 명령들의
요구조건에 적합함을 선언합니다: - (8) to **"Machinery" 2006/42/EC*** (17/05/2006) - (11) 해당 조화된 표준(들): - (12) 발급자의 명칭 및
위치: - (13) 날짜: - (14) *****2011/65/UE**** (08/06/11) - (15) *****2014/53/UE**** (16/04/14)

日本語 (JAPANESE)

(1) *組込み宣言および* (2) **当社**: (3) 技術ファイルは EU - (4) 全権声明. 本產品: - (5) 機種: - (6) 技術フ
ァイルは EU - (7) の法律の近似化についての理事会指令の要件に準拠していることを宣言します. 該當する欧州統一規格: (8) が, ****機械指令 2006/42/EC***
(17/05/2006) - (11) に関する加盟国: - (12) 発行人の氏名と役職: - (13) 日付: - (14) *****2011/65/UE**** (08/06/11) - (15) *****2014/53/UE****
(16/04/14)

Türkçe (TURKISH)

(1) *** KURULUŞ BEYANI -*** (2) Biz: (3) **Teknik dosya AT genel** - (4) olarak, kendi münhasır sorumluluğumuz
altında ürünün (ürünlerin): - (5) Makina türü (türleri): - (6) **Ürünün kökeni** - (7) aşağıdakiler ile ilgili Üye Ülkelerin kanun benzerliklerinde ilgili
konsey yönetmelikleri gereksinimleri ile uygunluğunu beyan ederiz: - (8) ****Makina Aksamı" 2006/42/EC*** (17/05/2006) - (11) uygulanabilir
uyumlaştırılmış standart(lar): - (12) Beyan eden kişinin ADI ve UNVANI: - (13) Tarih: - (14) *****2011/65/UE**** (08/06/11) - (15) *****2014/53/UE****
(16/04/14)

LIMBA (ROMANIAN)

(1) ***DECLARAȚIE DE ÎNCORPORARE -*** (2) Noi: (3) Fișierul tehnic disponibil de la - (4) declarăm pe propria
răspundere că produsul: - (5) Mașini de Tip: - (6) Originea produsului - (7) sunt în conformitate cu cerințele Directivelor consiliului în ce privește
aproximarea legislației din Statele Membre relativ la: - (8) ****Mașini Industriale" 2006/42/EC*** (17/05/2006) - (11) standardele armonizate aplicabile:
- (12) NUMELE ȘI FUNCȚIA emitentului: - (13) Data: - (14) *****2011/65/UE**** (08/06/11) - (15) *****2014/53/UE**** (16/04/14)

HRVATSKI (CROATIAN)

(1) ***IZJAVA O SUKLADNOSTI -*** (2) Mi: (3) Tehnička arhiva dostupna je u - (4) izjavljujemo pod vlastitom
odgovornošću da je(su) proizvod (i): - (5) Tip(ovi) stroja: - (6) Podrijetlo proizvoda - (7) sukladan(ni) zahtjevima Direktiva Vijeća EU za usklađenje
zakona zemalja članica koji se odnose na: - (8) to ****Direktivu o strojevima" 2006/42/EC*** (17/05/2006) - (11) primjenjive harmonizirane standarde:
- (12) NAZIV I SJEDIŠTE izdavača: - (13) Datum: - (14) *****2011/65/UE**** (08/06/11) - (15) *****2014/53/UE**** (16/04/14)

Български (BULGARIAN)

(1) ***ДЕКЛАРАЦИЯ ЗА СЪГЛАСИЕ И-*** (2) Ние: (3) Техническата документация - (4) декларираме на своя
лична отговорност, че този продукт (ите): - (5) Тип(ове) машини: - (6) Произход на продукта - (7) е в съответствие с изискванията на
Директивите на Съвета във връзка с приближаване на законите на страните-членки относно: - (8) ****Машини" 2006/42/EC*** (17/05/2006) -
(11) приложим хармонизирани стандарт(и): - (12) ИМЕ и ДЛЪЖНОСТ на издаващия: - (13) Дата: - (14) *****2011/65/UE**** (08/06/11) - (15)
*****2014/53/UE**** (16/04/14)

This machine must not be put into service until the machinery, in which it is intended to be incorporated into or assembled with, has been declared in conformity with the provisions of the Council Directive 2006/42/EC relating to machinery.

Cette machine ne doit pas être mise en service, tant que l'appareillage auquel elle est incorporée ou assemblée, n'a pas été déclaré conforme aux dispositions de la directive du conseil, concernant le rapprochement des législations des états membres relatives aux machines (2006/42/CE).

- (2) We :
(Fr) Nous
Ets Georges Renault
38 rue Bobby Sands
44818 Saint Herblain - FR
- (3) Technical file available from EU headquarter.
(Fr) Dossier technique disponible auprès du siège social
P.Roussy, R&D Manager
Ets Georges Renault
38 rue Bobby Sands – BP 10273
44818 Saint Herblain – France

- (4) declare under our sole responsibility that the product(s): **FIXTURED ELECTRIC SPINDLE**
(Fr) déclarons sous notre seule et entière responsabilité que les produits **Visseuse électrique fixe**

- (5) Machine type(s) :
(Fr) type(s)

Model (Modèle)	Part Number (Référence)
EFDS80-330	6151660330
EFDS80-450	6151660340
EFDS80-680	6151660350
EFDS80-950	6151660360
EFDS106-1100	6151660370
EFDS106-1600	6151660380
EFDS106-1900	6151660390

- (6) Origin of the product : France
(Fr) Origine du produit
- (7) is in conformity with the requirements of the council Directives on the approximation of the laws of the Member States relating :
(Fr) est (sont) en conformité avec les exigences de la Directive du conseil, concernant les législations des états membres relatives :
- (8) to **"Machinery" 2006/42/EC** (17/05/2006)
(Fr) aux **"Machines" 2006/42/CE** (17/05/2006)
- (9) to **"Electromagnetic Compatibility" 2014/30/CE** (26/02/2014)
(Fr) à la **"Compatibilité électro-magnétique" 2014/30/CE** (26/02/2014)
- (14) to **" The Restriction Of the use of certain Hazardous Substances in electrical and electronic equipment" 2011/65/CE** (08/06/2011)
(Fr) à la **"Limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques" 2011/65/CE** (08/06/2011)

- (11) applicable harmonized standard(s) :
(Fr) Norme(s) harmonisée(s) applicable(s) :

EN ISO 12100 :2010	EN 60204-1 :2006/A1 :2009	EN 61010-1 :2010
EN 61326-1 :2013	Class A/Industrial	EN61326-2-3 :2013

- (12) NAME and POSITION of issuer :
(Fr) NOM et FONCTION de l'émetteur :
- (13) Place & date : Saint Herblain , 08/10/2021
(Fr) Place et date

Pascal ROUSSY
(R&D Manager)

