

ORBITAL CUTTING

ORBITAL CUTTING RANGE



ø5 - ø80 mm
ø0,25 to ø3 "

V3-04-2013

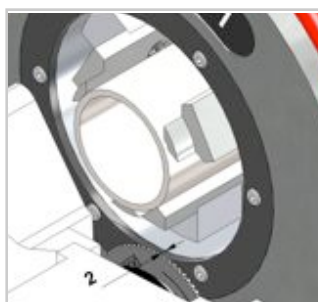


Technical Specifications

- Ø 0,25" to 3": very **wide range** of use
- **Cutting precision:**
 - perpendicular cuts < 0.25 mm
 - seamless cutting

Weight: 15 kg (easy handling)

- **Ideal for use at worksites**



Blade-jaws distance of 2 mm
Limits vibration and distortion with thin and small-diameter tubes



Concentric clamping with 3 jaws in **stainless steel** to eliminate tube distortion



Worksite carry case



Adjustment via the speed changer

References	Motors	Accessories	Consumables
81M21	M21 : Metabo 220V mono Thickness < 7mm	CCSER1/CCSER2: simple/bearing stand	LS6872 : 1 to 3 mm
81M11	M11 : Metabo 110V mono Thickness < 7mm		LS6844 : 2 to 7 mm LS63100 : 0.7 to 1,5 mm CCLUP: lubricant



ø5 - ø121 mm
ø0,25 to ø4,5 "

V3-04-2013



Technical Specifications

- Basic **stainless steel** jaws Ø 1" to Ø 4,5" (24 to 121 mm)
- Additional jaws Ø 0,25 to Ø 4,25" (5 to 108 mm)
- **Cutting precision:** perpendicular cuts < 0.25 mm
- Dual-output cutting motor with 2 blade positions for uptake
- **Weight:** 36 kg (easy handling)



Blade-jaw distance of **2/13.5 mm**
 Limits vibration and tube distortion



Concentric clamping with 4 jaws in **stainless steel**, standard, to eliminate tube distortion



Penetration check feature: operator safety feature



Adjustment via the speed changer

References	Motors	Accessories	Consumables
121ECO2	MD21: Métabo 1010 W, 220 V, Thickness < 7 mm	CCPS21: support feet CCBSB-01: bench with height adjustment - 1.5 m	LS6872 : 1 to 3 mm LS6844 : 2 to 7 mm
121ECO1	MD11: Métabo 1010 W, 110 V, Thickness < 7 mm	CCBSB-02: additional 1.5 m bench CCDT: extended penetration lever CCSER1 /CCSER2: simple/bearing stand	LS63100 : 0.7 to 1,5 mm CCLUP: lubricant



ø5 - ø121 mm
ø0,25 to ø4,5 "

V3-04-2013



Technical Specifications

- Basic **stainless steel** jaws Ø1" to Ø 4,5" (24 to 121 mm)
- Additional jaws Ø 0,25 to Ø 4,25" (5 to 108 mm)
- **Cutting precision:** perpendicular cuts < 0.25 mm
- **Scalability:** May be transformed into a bevelling and orbital welding machine
- Dual-output cutting motor with 2 blade positions for uptake
- **Weight:** 37 kg (easy handling)



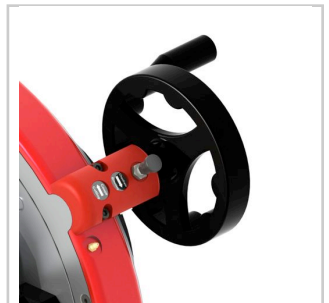
Blade-jaw distance of 2/13.5 mm. Limits vibration and tube distortion



Concentric clamping with 4 jaws in **stainless steel**, standard, to eliminate tube distortion



Motors: slow, fast, pneumatic



Rotation handle as **standard:** extends blade life and optimizes cutting quality

References	Motors	Accessories	Consumables
121FS29	Motor 220V, mono : FS29 : Thickness inox < 5 mm	CCPS21: support feet	LS6872 : 1 to 3 mm LS6844 : 2 to 7 mm
121FS19	FS25 : Thickness Inox > 5 mm	CCBSB-01: bench with height adjustment - 1.5 m	LS8080: 1 to 3 mm LS8054: 2 to 7 mm
121FS25	Motor 110V, mono : FS19 : Thickness inox < 5 mm	CCBSB-02: additional 1.5 m bench	LS8034 : 5 to 12 mm LS9038 : 5 to 15 mm
121FS15	FS15 : Thickness Inox > 5 mm	CCDT: extended penetration lever	LS63100 : 0.7 to 1,5 mm
121PD	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	SAEA: electric rotation 220V CCSER1/CCSER2: simple/bearing stand	LC300 : Bevelling blade 30° LC375 : Bevelling blade 37,5° LCA9028A : Carbide saw blades for carbon steel only thick. 4 to 15mm CCLUH: lubricant



CC171

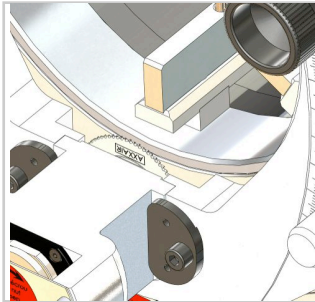
Ø16 - Ø170 mm
 Ø0,625 to Ø6,625 "

V3-04-2013



Technical Specifications

- Basic **stainless steel** jaws Ø 2,75" to Ø 6,625" (70 to 170 mm)
- Additional jaws Ø 0,625" to Ø 4,65" (16 to 118 mm
- **Cutting precision:** perpendicular cutting <0.25 mm
- **Scalability:** may be transformed into a bevelling and orbital welding machine
- Dual-output cutting motor with 2 blade positions for uptake
- **Weight:** 44 kg (easy handling)



Blade-jaw distance of 2/13.5 mm. Limits vibration and tube distortion



Concentric clamping with 4 jaws in **stainless steel**, standard, to eliminate tube distortion



Motors: slow, fast, pneumatic



Rotation handle as **standard:** extends blade life and optimizes cutting quality

ORBITAL CUTTING RANGE

References	Motors	Accessories	Consumables
171FS29	Motor 220V, mono : FS29 : Thickness inox < 5 mm	CCPS21: support feet	LS6872 : 1 to 3 mm LS6844 : 2 to 7 mm
171FS19	FS25 : Thickness Inox > 5 mm	CCBSB-01: bench with height adjustment - 1.5 m	LS8080: 1 to 3 mm LS8054: 2 to 7 mm
171FS25	Motor 110V, mono : FS19 : Thickness inox < 5 mm	CCBSB-02: additional 1.5 m bench	LS8034 : 5 to 12 mm LS9038 : 5 to 15 mm
171FS15	FS15 : Thickness Inox > 5 mm	CCDT: extended penetration lever	LS63100 : 0.7 to 1,5 mm
171PD	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	SAEA: electric rotation 220V CCSER1/CCSER2: simple/bearing stand	LC300 : Bevelling blade 30° LC375 : Bevelling blade 37,5° LCA9028A : Carbide saw blades for carbon steel only thick. 4 to 15mm CCLUH: lubricant



CC221

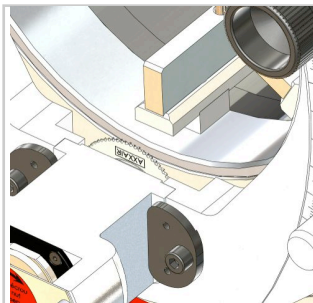
ø59 - ø225 mm
ø2 to ø8,625 "

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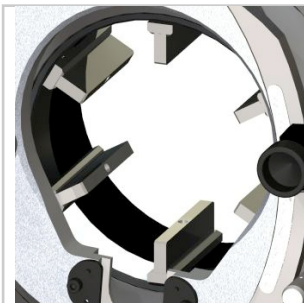


Technical Specifications

- Basic **stainless steel** jaws Ø 4,55" to 8,625" (Ø 116 to Ø 225 mm)
- Additional jaws Ø 2" to Ø 6,65" (Ø 59 to Ø 169 mm)
- **Cutting precision:** perpendicular cutting <0.25 mm
- Dual-output cutting motor with 2 blade positions for uptake
- **Scalability:** may be transformed into a bevelling and orbital welding machine
- **Weight:** 51 kg (easy handling)



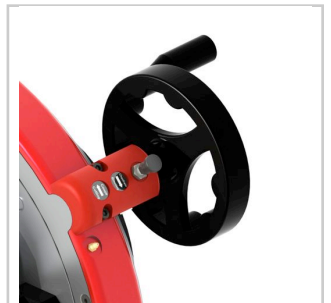
Optimized Blade-jaws distance
Limits vibration and tube distortion



Concentric clamping with 6 jaws in **stainless steel**, standard, to eliminate tube distortion



Motors: slow, fast, pneumatic



Rotation handle as **standard:** extends blade life and optimizes cutting quality

ORBITAL CUTTING RANGE

References	Motors	Accessories	Consumables
221FS29	Motor 220V, mono : FS29 : Thickness inox < 5 mm	CCPS21: support feet	LS6872 : 1 to 3 mm LS6844 : 2 to 7 mm LS8080: 1 to 3 mm
221FS19	FS25 : Thickness Inox > 5 mm	CCBSB-01: bench with height adjustment - 1.5 m	LS8054: 2 to 7 mm LS8034 : 5 to 12 mm LS9038 : 5 to 15 mm LS63100 : 0.7 to 1,5 mm
221FS25	Motor 110V, mono : FS19 : Thickness inox < 5 mm	CCBSB-02: additional 1.5 m bench	
221FS15	FS15 : Thickness Inox > 5 mm	SAEA: electric rotation 220V	LC300 : Bevelling blade 30° LC375 : Bevelling blade 37,5° LCA9028A : Carbide saw blades for carbon steel only thick. 4 to 15mm
221PD	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	CCSER1/CCSER2: simple/bearing stand	CCLUH: lubricant



CC321

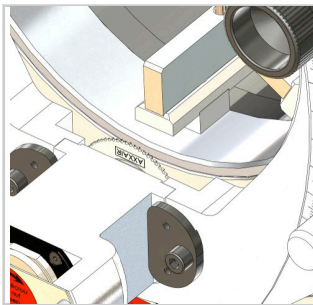
Ø140 - Ø330 mm
 Ø5,5 to Ø12,75 "

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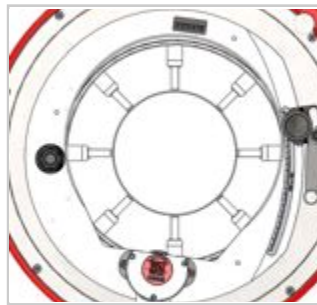


Technical Specifications

- Basic **stainless steel** jaws Ø8,5" to 12,75" (Ø216 to Ø 330 mm)
- Additional jaws Ø5,5" to Ø 10" (Ø 140 to Ø 256 mm)
- **Cutting precision:** perpendicular cutting < 0.25 mm
- Dual-output cutting motor with 2 blade positions for uptake
- **Scalability:** may be transformed into a bevelling and orbital welding machine • Lifting eye
- **Weight:** 73 kg (easy handling)



Optimized blade-jaws distance
 Limits vibration and tube distortion



Concentric clamping with 8 jaws in **stainless steel**, standard, to eliminate tube distortion



Motors: slow, fast, pneumatic



Rotation handle as **standard:** extends blade life and optimizes cutting quality

ORBITAL CUTTING RANGE

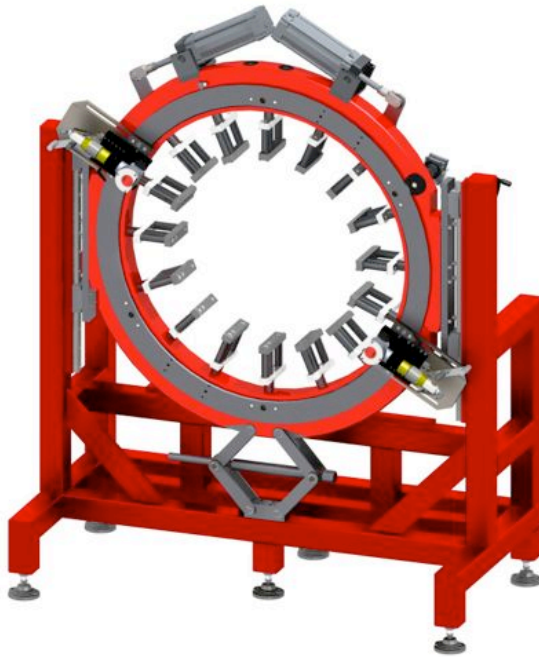
References	Motors	Accessories	Consumables
321FS29	Motor 220V, mono : FS29 : Thickness Inox < 5 mm	CCPS21: support feet	LS6872 : 1 to 3 mm (multiple of 5) LS6844 : 2 to 7 mm (multiple of 5) LS8080: 1 to 3 mm (multiple of 5) LS8054: 2 to 7 mm (multiple of 5) LS8034 : 5 to 12 mm (multiple of 5) LS9038 : 5 to 15 mm (multiple of 5)
321FS19	FS25 : Thickness Inox > 5 mm	CCBSB-01: bench with height adjustment - 1.5 m	
321FS25	MS182 : 1800W	CCBSB-02: additional 1.5 m bench	
321FS15	Motor 110V, mono : FS19 : Thickness Inox < 5 mm	SAEA: electric rotation 220V	LC300 : Bevelling blade 30° LC375 : Bevelling blade 37,5° LCA9028A : Carbide saw blades for carbon steel only thick. 4 to 15mm
321MS182	FS15 : Thickness Inox > 5 mm	CCSER1/CCSER2: simple/bearing stand	CCLUH: lubricant
321MS181	MS181 : 1800W		
321PD	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar		



CC1100

ø711 - ø1016 mm
ø28 to ø40

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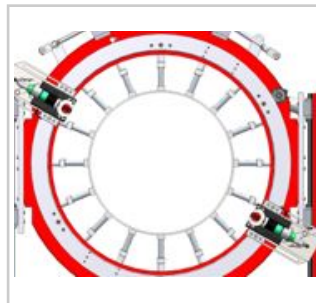


Technical Specifications

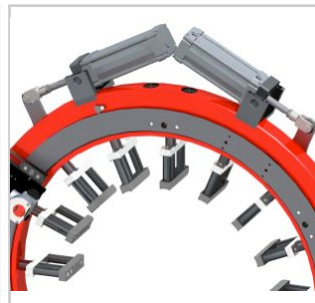
- Basic **stainless steel** jaws Ø 28" to 40" (Ø711 to Ø1016 mm)
- Cutting precision: perpendicular cuts < 0.4 mm
- **Weight:** 900 kg



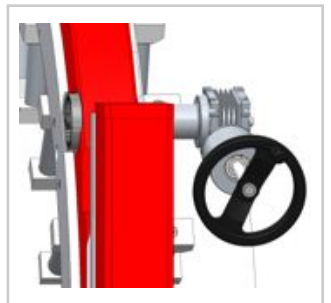
Machine height adjustment machine



Concentric clamping with **16 jaws in stainless steel**, standard, to eliminate distortion of thin tubes



Automatic pneumatic clamping



Rotation handle as standard: extends blade life and optimizes cutting quality

References	Motors	Accessories	Consumables
1100PD	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	On request	<p>LS6872 : 1 to 3 mm (multiple of 5) LS6844 : 2 to 7 mm (multiple of 5) LS8080: 1 to 3 mm (multiple of 5) LS8054: 2 to 7 mm (multiple of 5) LS8034 : 5 to 12 mm (multiple of 5) LS9038 : 5 to 15 mm (multiple of 5)</p> <p>LC300 : Beveling blade 30° LC375 : Beveling blade 37,5° LCA9028A : Carbide saw blades for carbon steel only thick. 4 to 15mm</p> <p>CCLUH: lubricant</p>



CC421

ø212 - ø422 mm
ø8.625 to ø 16"

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Technical Specifications

- Basic **stainless steel** jaws Ø 12" to 16" (Ø 350 to 420 mm)
- Additional jaws Ø 8,625" to 12,75" (Ø 212 to Ø 352 mm)
- **Cutting precision:** perpendicular cutting <0.4 mm
- Dual-output cutting motor with 2 blade positions for uptake
- Lifting eye
- **Weight:** 176 kg



Optimized blade-jaws distance
Limits vibration and tube distortion



Concentric clamping with 8 jaws in **stainless steel**, standard, to eliminate tube distortion



Motors: electric and pneumatic



Rotation handle as **standard:** extends blade life and optimizes cutting quality

ORBITAL CUTTING RANGE

References	Motors	Accessories	Consumables
421MS182	MS182 : motor 1800W,220V	SAEP-000 : Automatic electric rotation for 421 / 521 / 721 (Autoline 110V- 230V)	LS6872 : 1 to 3 mm (multiple of 5) LS6844 : 2 to 7 mm (multiple of 5) LS8080: 1 to 3 mm (multiple of 5) LS8054: 2 to 7 mm (multiple of 5) LS8034 : 5 to 12 mm (multiple of 5) LS9038 : 5 to 15 mm (multiple of 5)
421MS181	MS181 : motor 1800W,110V		LC300 : Beveling blade 30° LC375 : Beveling blade 37,5° LCA9028A : Carbide saw blades for carbon steel only thick. 4 to 15mm
421PD	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar		CCLUH: lubricant



CC521

ø312 - ø522 mm
ø12.75 to ø20 "

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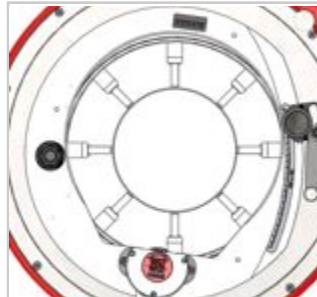


Technical Specifications

- Basic **stainless steel** jaws Ø 15,5" to 20" (Ø 450 to Ø 522 mm)
- Additional jaws Ø 12,75" to 15,5" (Ø 312 to Ø 452 mm)
- **Cutting precision:** perpendicular cuts < 0.4 mm
- Dual-output cutting motor with 2 blade positions for uptake
- Lifting eye
- **Weight:** 200 kg



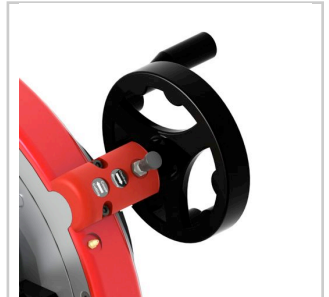
Optimized blade-jaws distance
 Limits vibration and tube distortion



Concentric clamping with 8 jaws in **stainless steel**, standard, to eliminate tube distortion



Motors: electric and pneumatic



Rotation handle as **standard:** extends blade life and optimizes cutting quality

ORBITAL CUTTING RANGE

References	Motors	Accessories	Consumables
521MS182	MS182 : motor 1800W,220V	SAEP-000 : Automatic electric rotation for 421 / 521 / 721 (Autoline 110V- 230V)	LS6872 : 1 to 3 mm (multiple of 5) LS6844 : 2 to 7 mm (multiple of 5) LS8080: 1 to 3 mm (multiple of 5) LS8054: 2 to 7 mm (multiple of 5) LS8034 : 5 to 12 mm (multiple of 5) LS9038 : 5 to 15 mm (multiple of 5) LC300 : Beveling blade 30° LC375 : Beveling blade 37,5° LCA9028A : Carbide saw blades for carbon steel only thick. 4 to 15mm CCLUH: lubricant
521MS181	MS181 : motor 1800W,110V		
521PD	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar		



CC721

ø447 - ø725 mm
ø18 to ø28 "

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Technical Specifications

- Basic **stainless steel** jaws Ø18" to Ø 28" (Ø653 to Ø 725 mm)
- Additional jaws Ø 12,75" to 18" (Ø 447 to Ø 654 mm)
- **Cutting precision:** perpendicular cutting < 0.4 mm
- Pneumatic clamping
- Lifting eye
- **Weight:** 245 kg



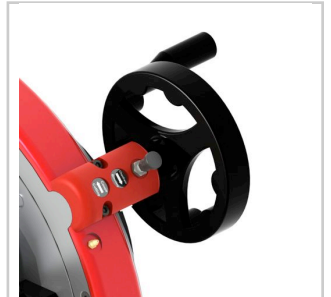
Optimized blade-jaws distance
Limits vibration and tube distortion



Concentric clamping with 8 jaws in **stainless steel**, standard, to eliminate tube distortion



Motors: electric and pneumatic



Rotation handle as **standard:** extends blade life and optimizes cutting quality

References	Motors	Accessories	Consumables
721MS182	MS182 : motor 1800W,220V	SAEP-000 : Automatic electric rotation for 421 / 521 / 721 (Autoline 110V- 230V)	LS6872 : 1 to 3 mm (multiple of 5) LS6844 : 2 to 7 mm (multiple of 5) LS8080: 1 to 3 mm (multiple of 5) LS8054: 2 to 7 mm (multiple of 5) LS8034 : 5 to 12 mm (multiple of 5) LS9038 : 5 to 15 mm (multiple of 5)
721MS181	MS181 : motor 1800W,110V		LC300 : Bevelling blade 30° LC375 : Bevelling blade 37,5° LCA9028A : Carbide saw blades for carbon steel only thick. 4 to 15mm
721PD	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar		CCLUH: lubricant



ORBITAL CUTTING RANGE

Accessories

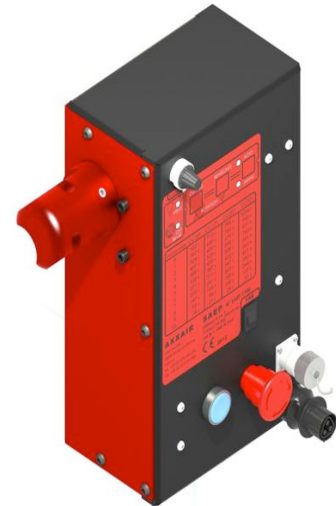
ORBITAL CUTTING RANGE



CCDT



GA10 -2 - XX



SAEP-000

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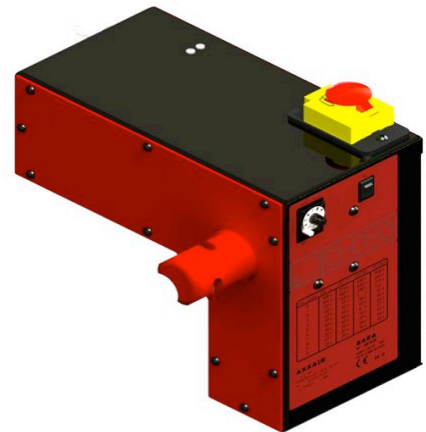
FS XX



MS18



MOPD



SAEA

Accessories	Cutting motors	Bevelling motors
CCDT: extended penetration lever	Cutting motor 220V mono : FS29 : Thickness Inox < 5 mm FS25 : Thickness Inox > 5 mm MS18-2 : motor 1800W	Carbure bevelling motor 220V with protection : GA10-2-120: for 121 GA10-2-170: for 171 GA10-2-220: for 221 GA10-2-320: for 321
SAEA: electric rotation	Cutting motor 110V mono : FS19 : Thickness Inox < 5 mm FS15 : Thickness Inox > 5 mm MS18-1 : motor 1800W	Carbure bevelling motor 110V with protection : GA10-1-120: for 121 GA10-1-170: for 171 GA10-1-220: for 221 GA10-1-320: for 321
SAEP-000 : Rotation auto autoline 421/521/721	MOPD: pneumatic motor	





CCPS21



CCBS-02



CCBS-01



CCSER1



CCSER2

Accessories

CCPS21: support feet

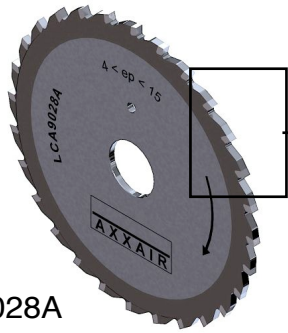
CCBSB-01: bench with height adjustment - 1.5 m
CCBSB-02: additional 1.5 m bench

CCSER1/CCSER2: simple/bearing stand

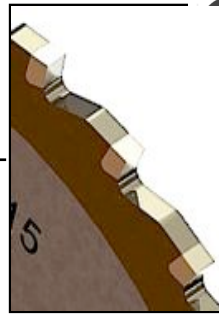


Consumables

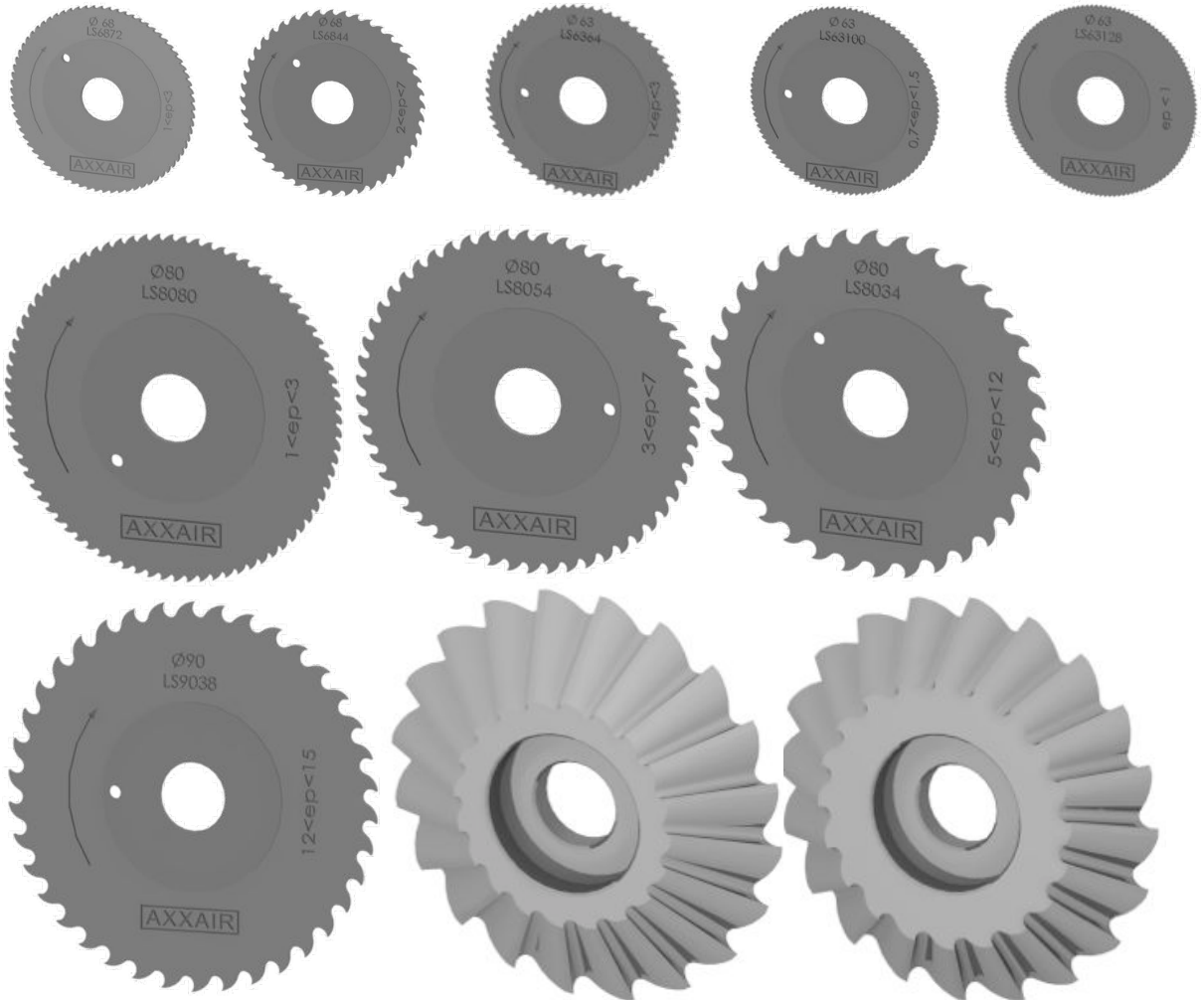
ORBITAL CUTTING RANGE



LCA9028A



V3-04-2013



LC375

LC300

Blades

Sold in boxes of 5 :

- LS63128 : from 0,5 to 0,9 mm
- LS63100 : from 0,7 to 1,5 mm
- LS6364 : from 1 to 3 mm
- LS6872 : from 1 to 3 mm
- LS6844 : from 2 to 7 mm
- LS8034 : from 5 to 12 mm
- LS8054 : from 2 to 7 mm
- LS8080 : from 1 to 3 mm
- LS9038 : from 5 to 15 mm

Sold singly :

- LC300 : 30° bevelling blade
- LC375 : 37.5° bevelling blade
- LCA9028A : 4 to 15 mm thickness carbide cutting blade (carbon steel only)





CCLUH

Chemical nature

PREPARATION :

Product manufactured with highly refined mineral oils containing less than 3% PAH according to IP 346 method

Substances presenting a health hazard	EC No.	CAS No.	Content	Symbol(s)	R-phrases
Distillates (petroleum), hydrotreated heavy naphthenic	265-155-0	84742-52-5	<50 %	-	
Chlorinated paraffin, C14-C28	264-180-0	83449-38-8	<50 %	-	

SEE SECTION 16 FOR EXPLANATIONS OF R-PHRASES

Composition comments

Dangerous impurities:
None known under normal use conditions.

Risk phrases

None

Safety phrases

None

Other

Safety data sheet available for professional user on request.

Ingrédients dangereux: PETROLEUM PARAFFIN WAX 15-30%
• PARAFFINIC MINERAL OIL 5-15%
EINECS: 265-096-0 CAS: 64741-95-3

Symboles des risques: Aucun danger important.

Phrases R: Aucun

Phrases S: Aucun



CCLUP

Lubricants

CCLUH: hi-performance liquid lubricant

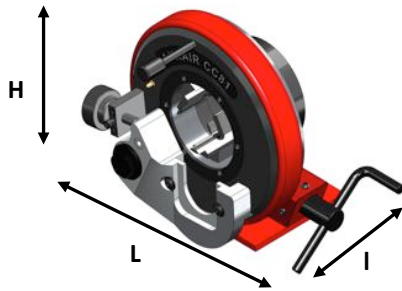
CCLUP: paste lubricant for use with M21 / M11 and 121ECO 1 / 121ECO 2




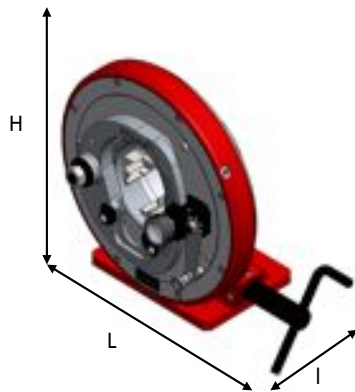
Dimensions

ORBITAL CUTTING RANGE

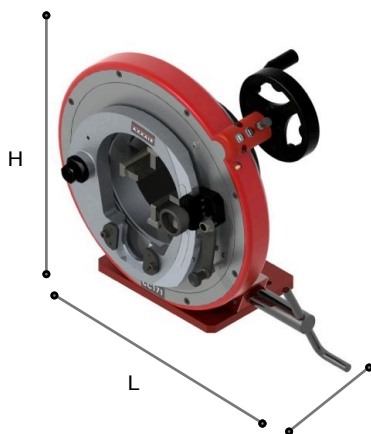
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	Ø min	Ø max	Ep mm	H x L x I Mm	
CC81	5 mm 1/16"	78 mm 2 1/2"	0.5 à 7	263x346x236	15 kg



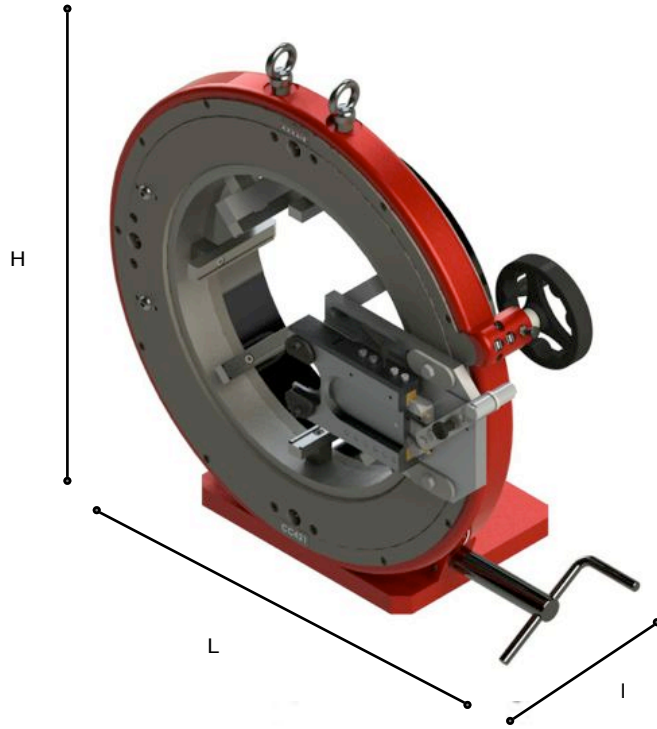
	Ø min	Ø max	Ep mm	H x L x I Mm	
CC121ECO	5 mm 1/16"	121 mm 4.5"	0.5 à 7	432x520x297	36 kg



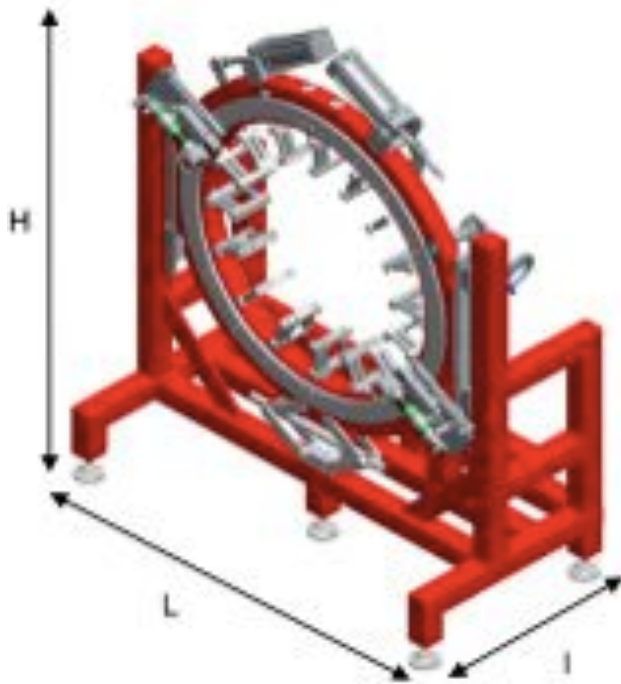
	Ø min	Ø max	Ep mm	H x L x I Mm	
CC121	5 mm 1/16"	129 mm 4.5"	0.7 à 15	432x520x297	37 kg
CC171	16 mm 3/8"	170 mm 6"	0.7 à 15	474x545x297	44 kg
CC221	59 mm 2"	225 mm 8"	1 à 15	515x570x320	51 kg
CC321	140 mm 5"	330mm 12"	1.5 à 15	674x636x320	73 kg



Dimensions



	Ø min	Ø max	Ep mm	H x L x I mm	
CC421	212 mm 8"	422 mm 16"	1.5 à 15	738x838x387	176kg
CC521	312 mm 12"	522 mm 20"	1.5 à 15	838x889x387	200kg
CC721	447 mm 18"	725 mm 28"	1.5 à 15	1039x1079x387	245kg



	Ø min	Ø max	Ep mm	L x l x H mm	
CC1100	711.2 mm	1016 mm	6 mm	1890x975x2400	1100 kg



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