

DBG-F2

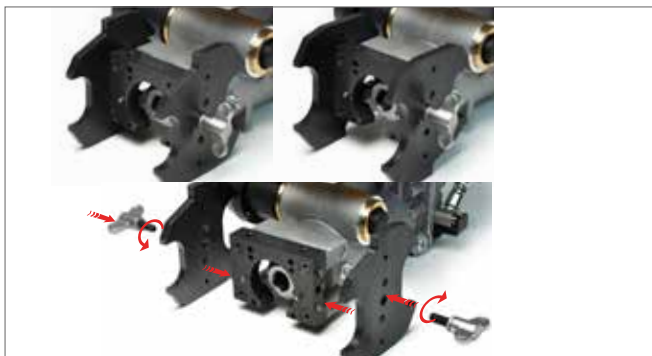
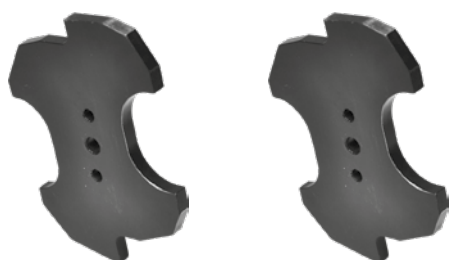
Over rail clamp for clamping drilling machine to rail web and track fittings. Complete with four terminations:

- **TDB1** for switch blades and confined spaces
- **TDB3** for re-drilling existing holes in rails for subsequent application of electrical connections and for additional special applications
- **TDB6** for UIC60 rail



KPAF

Unlike standard templates for positioning rail drills, **KPAF** kits have a double profile that enables positioning of the drill on two different types of rail by simply rotating the inserts fixed on the sides of the front plate.



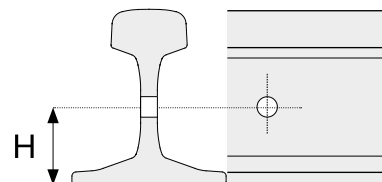
MPAF

Templates for positioning rail drills **MPAF** on rails and contragons.

Easy to install thanks to a design that facilitates correct positioning on the drill.

They interface with the **SPA** positioning brackets.

MPAF



TYPE	RAIL	H mm
MPAF-46UNI	46E4 (ex 46 UNI)	62,5
MPAF-48SA	48 kg/m South Africa	66
MPAF-5D	45E2 (ex DSB45)	61
MPAF-50E2T1	50E2T1 (ex EB63T)	67,5
MPAF-50UNI	50E5 (ex 50UNI)+49E1 (ex S49)	62,5
MPAF-57SA	57 kg/m South Africa	70
MPAF-EB50	50E2 (ex EB50)	67,5
MPAF-R65	R65 Germany	78,5
MPAF-S41	40E1, 41E1 (ex S41 R10 & R14)	59,5
MPAF-S54	54E3 (ex S54)	64
MPAF-STR40	Str40 (conductor rail)	42
MPAF-SJ50	50E3 (ex BV50)	67
MPAF-U33	46E2 (ex U33)	62,5
MPAF-U50	50E6 (ex U50)+50E1 (ex U50E)	66
MPAF-UIC60	60E1 (ex UIC60)	76,25
MPAF-UIC54	54E1 (ex UIC54)	70
MPAF-VST36	VST36	55

Consult us for other applications.

GUIDE BITS AND ADAPTERS

Accessories required for drilling groove rails.

GUIDE BIT	ACCESSORIES NEEDED
	guide bit PPL1 , PPL2 *
CYL	
	adapter PPDF2 + guide bit PFA1
CY	
	adapter PFAD2 for U33 rail
PE	

*supplied with LD drills

DBG-LF2

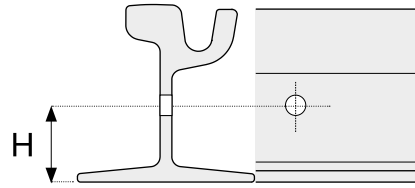
Over rail clamp for clamping the drill to girder rails. Use the **DBG-LF2** device in place of the DBG-F2 supplied with the drilling machine, for positioning the machine on girder rails. Complete with the termination **TDB7**.

It also allows the correct securing of the drill:

- in a horizontal position for drilling holes for mechanical and electrification joints
- in a vertical position for drilling drainage holes

**MPAF**

Positioning jigs on groove rails for drilling at a fixed height on both sides of the rail:



TYPE	RAIL	H mm
MPAF-35G	54G1, 54G2, 55G1, 55G2 (35GP)	59
MPAF-NP4AM	62R1, 62R2 (NP4AM)	73
MPAF-RI55NK-56.5	RI55	56,5
MPAF-RI60N	RI60N	73

CYL long cutters must be used with these jigs.

**GUIDE BITS AND ADAPTERS**

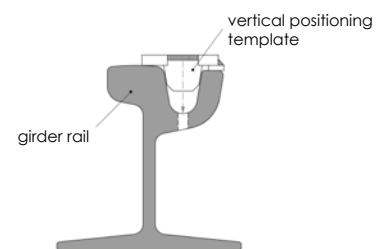
Accessories required for drilling groove rails.

GUIDE BIT	ACCESSORIES NEEDED
CYL	guide bit PPL1 , PPL2*
CY	adapter PPDF2 + guide bit PFA1
PE	adapter PFAD2 for U33 rail

*supplied with LD drills

MPAS

This template allows the correct vertical positioning to drill girder rails for water discharge.



TYPE	RAIL
MPAS-35G-GP	54G1, 54G2, 55G1, 55G2 (35GP)
MPAS-41GP13	41GP13
MPAS-SEI70G	SEI70G
MPAS-RI60N	59R1, 59R2, 60R1, 60R2 (RI60N)

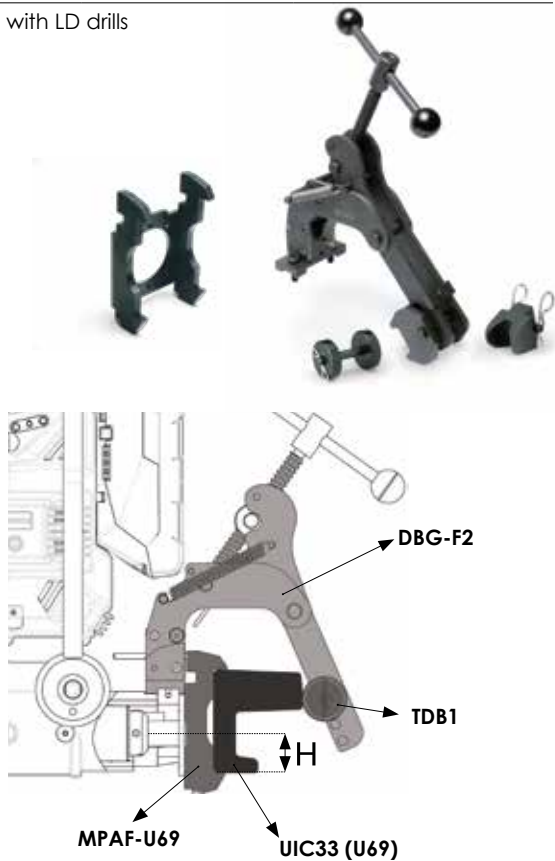


DBG-F2 + MPAF-U69

Solution for boring the rail free from constraints.

TYPE	RAIL	H mm
DBG-F2*		-
MPAF-U69	U69 (UIC33)	35
TDB1*	U69 (UIC33)	-

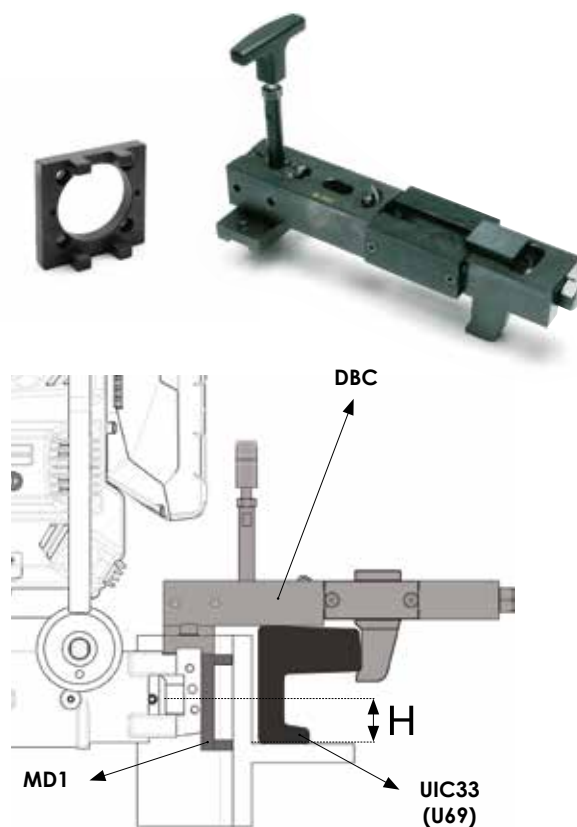
*supplied with LD drills



DBC + MD1

Rail drilling solution already installed on-site.

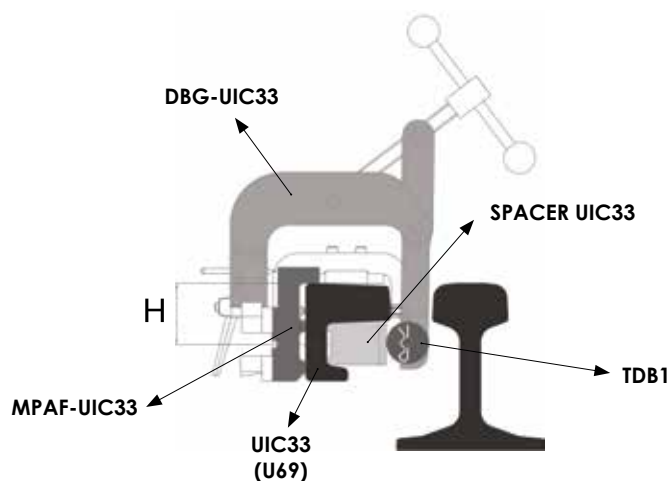
TYPE	RAIL	H mm
DBC		-
MD1	U69 (UIC33)	35



DBG-UIC33 + MPAF-UIC33

Solution for drilling the rail in situ in the presence of installed rail.

TYPE	RAIL	H mm
DBG-UIC33		-
MPAF-UIC33	U69 (UIC33)	35
SPACER UIC33	U69 (UIC33)	-



DBG-AY + MPAF-CRO

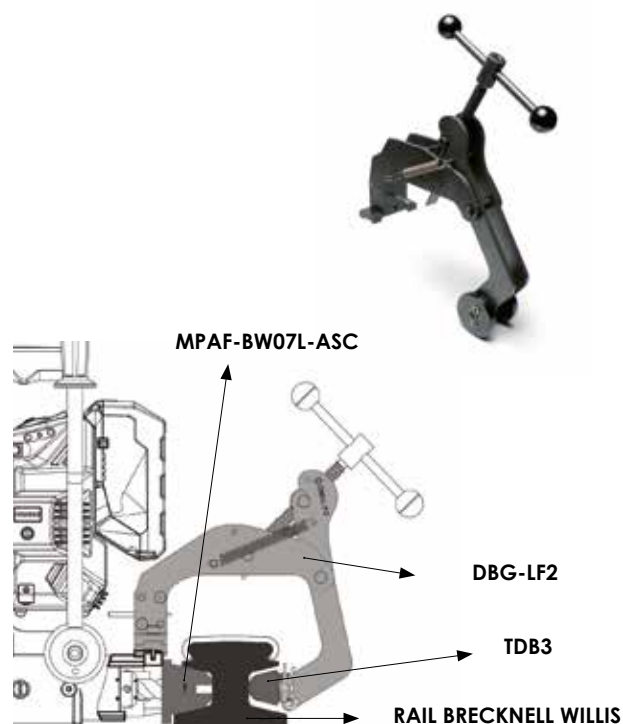
The solution to positioned the drill on the crocodile rail.

TYPE	RAIL	H mm
DBG-AY	-	-
MPAF-CRO	crocodile	26
TDB2	-	-

**MPAF-BW07L-ASC**

The solution to positioned the drill on the conductor rail.

TYPE	RAIL	H mm
DBG-LF2	-	-
MPAF-BW07L-ASC	Brecknell Willis	42.5
TDB3	-	-

**DBF**

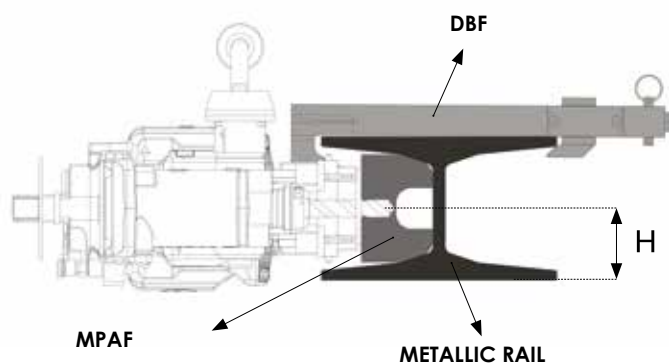
Track blocking support for drilling metal bearing tracks with gauges:

MPAF-230X140 for rail 230x140

MPAF-250X120 for rail 250x120

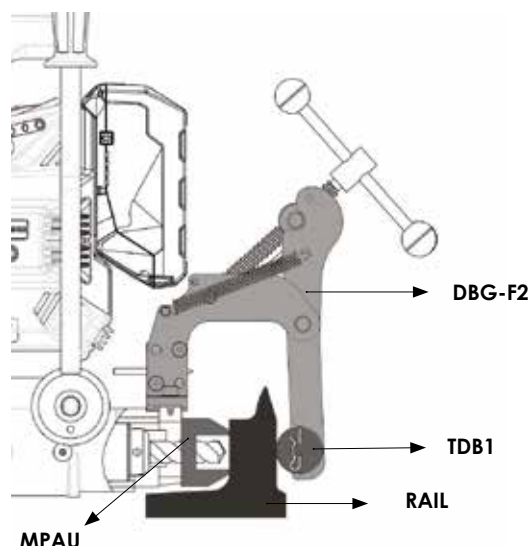
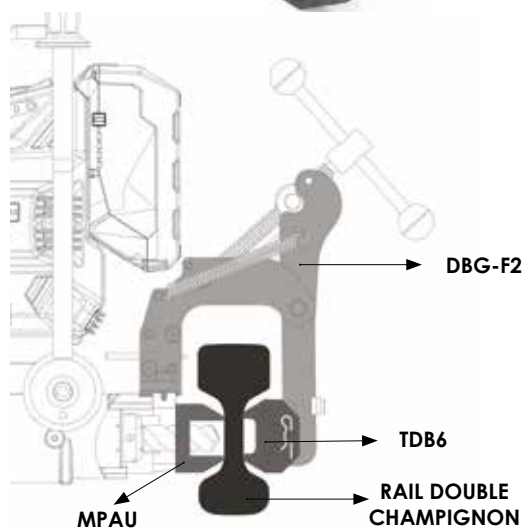
Add **PFAD2** drill extension for track 250x120.

TYPE	METALLIC RAIL	H mm
DBF	-	-
MPAF-230X140	230 x 140	70
MPAF-250X120	250 x 120	60
PFAD2	-	-



MPAU

Universal templates for other kinds of rails or for special applications (positioning not automatic).



SPA/2-HSB

Suitable to adjust the drilling height to be used in combination with **MPAU** template.



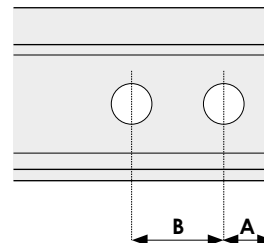
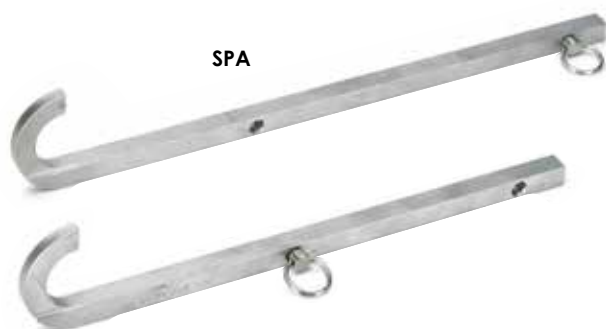
MPDU

Universal templates for other kinds of rails (adjustable positioning).



SPA + MRF

Positioning connecting plates to be used in conjunction with the **MPAF** positioning templates for a centre-to-centre distance, established in the Railway board standards.

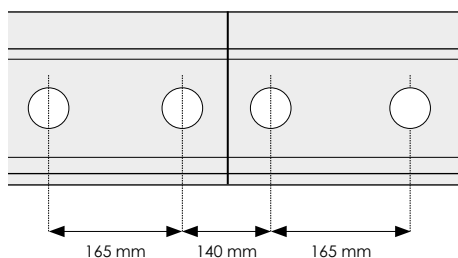


TYPE	APPLICATION	A mm	B mm
SPA/1FR/U50UIC60	UIC60 + U50	60	230
SPA/1FR/V52	V52	68	128
SPA/2-55E1	55E1	57,5	217,5
SPA-EST46	46UNI	67,5	207,5
SPA-S4954UIC60CF	S49 + S54 + UIC60	46	211
SPA-UIC54E-60	UIC54	65	265
SPA-UIC60-EB50	UIC60 + 50E2 (ex EB50)	75	215
SPA-V52	V52	128	268

Consult us for other applications.

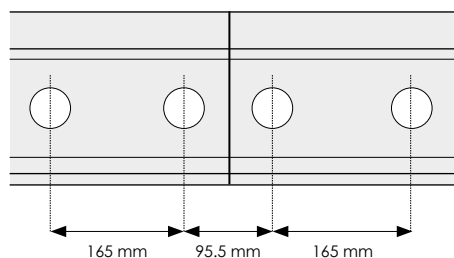
MRF-DB-UIC60-V

Positioning clamp for mechanical joints.
Allows easy positioning thanks to the marking of the centre line, for drilling 4 holes at predetermined distances.



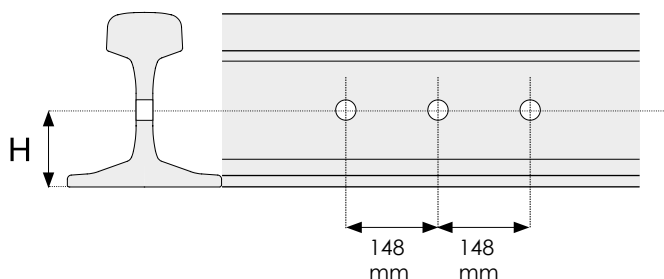
MRF-DB-UIC60-N

Positioning clamp for mechanical joints.
Allows easy positioning thanks to the marking of the centre line, for drilling 4 holes at predetermined distances.



MRFT-SR-A

Positioning jig for axle counter gauge fixing holes, with hole centre distances of 148 mm.
Rail foot clamping allows the jig to remain in place during train passage.
Compatible with CEMBRE MPAF and MPSR jigs.
Check with CEMBRE which one is most suitable for your application.



TYPE	RAIL	H mm
MPSR-50T-64	50E2 (50T)	64
MPSR-UIC60-85	60E1 (UIC60)	85
MPSR-BS70A-53	BS70A	53
MPSR-UIC54-63	54E1 (UIC54)	63
MPSR-46UNI-64	46E4 (46UNI)	64
MPSR-UIC54-68	54E1 (UIC54)	68
MPSR-UIC54-72	54E1 (UIC54)	72
MPSR-UIC60-74	60E1 (UIC60)	74
MPSR-UIC60-68	60E1 (UIC60)	68
MPSR-S54-63	54E3 (S54)	63
MPSR-S54-68	54E3 (S54)	68
MPSR-S49-64	49E1 (S49)	64
MPSR-37JP-53	JIS 37KG	53
MPSR-50JP-63	JIS 50KG N	63
MPSR-100LB-RE-64	100LB RE	64
MPSR-R65-94	R65	94
MPSR-AS60-68	AS60	68
MPSR-AS53-64	AS53	64
MPSR-50JP-70	JIS 50KG N	70
MPSR-50JP-82	JIS 50KG N	82
MPSR-40JP-65	JIS 40KG N	65
MPSR-40JP-69	JIS 40KG N	69

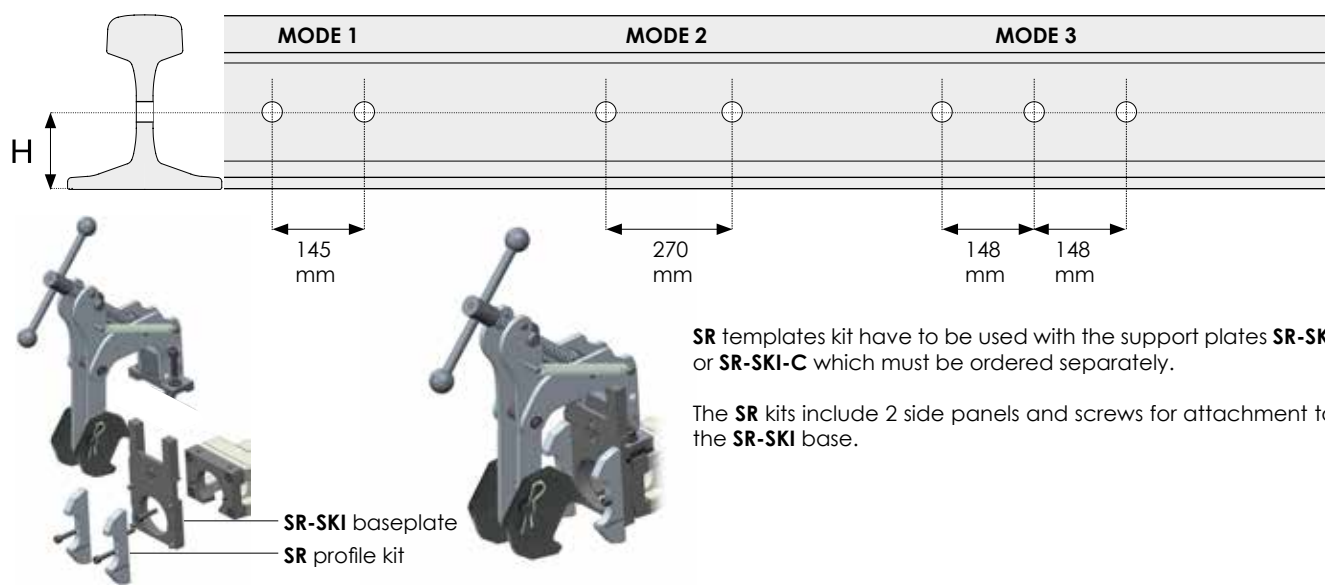
MRF-SR-SFA + SR-SKI + SR



Positioning clamp for drilling holes for the installation of wheel sensors.

This clamp is installed on the rail head and can be used in 3 modes, which correspond to 3 different sensor models:

- **MODE 1:** 2 holes at a distance of 145 mm
- **MODE 2:** 2 holes at a distance of 270 mm
- **MODE 3:** 3 holes at a distance of 148 mm



SR templates kit have to be used with the support plates **SR-SKI** or **SR-SKI-C** which must be ordered separately.

The **SR** kits include 2 side panels and screws for attachment to the **SR-SKI** base.

PROFILE KIT	RAIL	H mm
SR-UIC60-74	60E1 (ex UIC60)	74
SR-UIC60-85	60E1 (ex UIC60)	85
SR-S49	49E1 (ex S49)	62,5
SR-S54-67.5	54E3 (ex S54)	67,5
SR-BS95RBH-58.5	BS95RBH	58,5
SR-S49-64	49E1 (ex S49)	64
SR-S41	40E1 (ex S41)	59,5
SR-S41-58	40E1 (ex S41)	58
SR-UIC54-72.5	54E1 (ex UIC54)	72,5
SR-UIC54	54E1 (ex UIC54)	70
SR-UIC54-71.5	54E1 (ex UIC54)	71,5
SR-UIC54-74.5	54E1 (ex UIC54)	74,5
SR-BS113A-72.25	56E1 (ex BS113A)	72,25
SR-XA-52.5	35E1 (ex Xa)	52,5
SR-46UNI-58.5	46E4 (ex 46UNI)	58,5
SR-46UNI-64	46E4 (ex 46UNI)	64
SR-S41-51.5	40E1 (ex S41)	51,5
SR-UIC60-85.5	60E1 (ex UIC60)	85,5
SR-S41-62.5	40E1 (ex S41)	62,5
SR-VA71B-74	VA71B	74
SR-VA71B-85	VA71B	85
SR-UIC60-81	60E1 (ex UIC60)	81
SR-50E2T1-64	50E2T1	64
SR-50E2-64	50E2	64
SR-R50	R50 / (P50)	68,5
SR-S60CN-89	S60 (Cina)	89
SR-UIC60-68	60E1 (ex UIC60)	68
SR-S54-63	54E3 (ex S54)	63
SR-AS60-83.5	AS60	83,5

PROFILE KIT	RAIL	H mm
SR-UIC54-68	54E1 (ex UIC54)	68
SR-60E1T2-85	60E1T2	85
SRT-UIC60	60E1 (ex UIC60)	85,9
SRT-S49	49E1 (ex S49)	63
SRT-S54	54E3 (ex S54)	68
SRT-115RE-86.5	115 RE	82,5
SRT-132RE-86.5	132 RE	95
SRT-119RE	119 RE	87
SRT-136RE	136 RE	100
SRT-141AB-86.5	141 AB	103
SRT-127DY	127 DY	92
SRT-133RE	133 RE	93,5
SRT-100ASCE	100 ASCE	60,5
SRT-105DY	105 DY	66,5
SRT-112RE	112 RE	82,5
SRT-140RE	140 RE	100
SRT-100RE	100 RE	66,5
SRT-100ARA-A	100ARA-A	66,5
SR-S49-73.3	49E1 (ex S49)	73,3
SR R65-86.5	R65	86,5
SR R65-2-93.5	R65	93,5
SR-60KG/M-89	-	89
SR-U33-57	46E2 (ex U33)	57
SR-U50-61	50E6 (ex U50)	61
SR-UIC54-63	54E1 (ex UIC54)	63
SR-BS113A-65	56E1 (ex BS113A)	65
SR-JIS50-71.5	JIS50N	71,5
SR-NP46-62.25	NP46	62,25

CY



Nowa rodzina frezów trepanacyjnych typu CY produkcji Cembre została specjalnie zaprojektowana w celu zoptymalizowania procesu wiercenia przy użyciu wiertarek Cembre. Frezy przeznaczone są do wiercenia w szynach ze stali o klasie jakościowej 700-900-1100 (UIC 860.0). Frez CY wyposażone są w uchwyt Weldona. Charakteryzują się wyjątkową geometrią oraz powłoką z azotku tytanu (TiN) o wysokiej twardości i niskim współczynniku tarcia. Dzięki temu uzyskano niezawodny frez o długiej żywotności.

Nowe frezy CY produkcji Cembre znacząco przewyższają parametry poprzedniej generacji frezów typu A i A..L. Dotyczy to szczególnie następujących aspektów:

- Możliwość wykonania większej liczby otworów
- Skrócenie operacji wiercenia



FREZY CY z powłoką TiN (azotek tytanu)		Pilot*
Ø mm	TYP	TYP
13	CY130	PP1
13,5	CY135	
16	CY160	
17	CY170	
18	CY180	
19	CY190	PP2
20	CY200	
21	CY210	
22	CY220	
23	CY230	
24	CY240	
25	CY250	
26	CY260	
27	CY270	
28	CY280	
29	CY290	
30	CY300	
32	CY320	
33	CY330	
max. głębokość wiercenia 25 mm		



FREZY CY...L z powłoką TiN (azotek tytanu)		Pilot*
Ø mm	TYP	TYP
14	CY140L	PPL1
16	CY160L	
17	CY170L	
18	CY180L	
19	CY190L	
20	CY200L	PPL2
21	CY210L	
22	CY220L	
23	CY230L	
24	CY240L	
25	CY250L	
26	CY260L	
27	CY270L	
28	CY280L	
29	CY290L	
30	CY300L	
32	CY320L	
33	CY330L	
max. głębokość wiercenia 50 mm		

*dostarczane z wiertarkami LD

PE

Zastosowanie wiertel typu PE gwarantuje zoptymalizowanie procesu wiercenia. Półautomatyczny układ chłodząco-smarujący zmniejsza tarcie i chłodzi narzędzie skrawające

Wszystkie wiertła PE pozwalają na wiercenie na głębokość 45 mm.



Wiertła z powłoką TiN (azotek tytanu)		Adapter
Ø mm	TYP	TYP
7	PE70	APED70
8	PE80	APED80
9	PE90	APED90
9,5	PE95	APED95
10	PE100	APED100
12	PE120	APED120
13	PE130	APEDW130
13,5	PE135	APEDW135/165
	PE135C	
14	PE140	
16	PE160	

Wiertła		Akcesoria
Ø mm	TYP	TYP
17	PE170	DPE* 
18	PE180	
19	PE190	
21	PE210	
22	PE220	

*dostarczane z wiertarkami LD

PE-AR

Wiertło kręte do szyn o minimalnej wytrzymałości na rozciąganie do 1100 N/mm² (UIC 860.0).

Wiertła PE-AR są przeznaczone do stosowania z systemem chłodzenia SR5000 i wiercą na głębokość do 45 mm.



Wiertła z powłoką TiAlN (azotek tytanu glinu)		ADAPTER
Ø mm	TYP	TYP
13	PE130AR	APEDW130
13,5	PE135AR	APEDW135/165
17	PE170AR	DPE* 
19	PE190AR	
21	PE210AR	
24	PE240AR	
27,5	PE275AR	

*dostarczany z wiertarkami LD



Adapter APED
sprzedawany osobno

CASE LD

CASE AND ACCESSORIES FOR RAIL DRILLS

VAL-P24

Plastic carrying case for rail drills. Accommodates the complete drill together with the clamping device and accessories.



FEATURES

dimensions (LxWxH)	754 x 458.5 x 484.5 mm
weight	9.2 kg

SR5000/CS-P24

Support for coolant unit **SR5000**.



VAL-P24-CS

Case with wheels and folding handle.



FEATURES

dimensions (LxWxH)	754 x 458.5 x 484.5 mm
weight	9.2 kg

VAL-LD

Metal case for holding both the drill fitted with the **DBG-F2** clamping device and the **DBSN** clamping device and the **VAL-MPA-E** accessory case.



FEATURES

dimensions (LxWxH)	595 x 345 x 467 mm
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VAL-LD-L

Metal case for holding the drill fitted with the DBG-LF2 clamping device (for groove rails).



FEATURES

dimensions (LxWxH)	653 x 366 x 455 mm
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VAL-MPA

Suitable for storage of drilling templates, cutters and accessories



FEATURES

dimensions (LxWxH)	390 x 355 x 52 mm
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VASCO5000-3LT



Lubrocooler concentrate 3 litre.

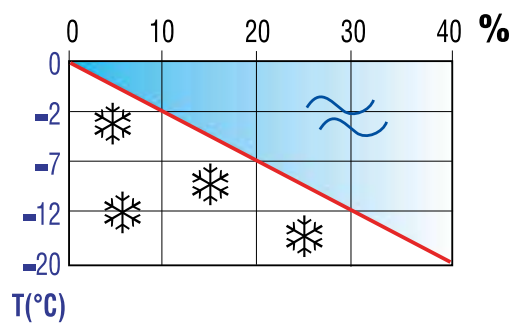
Biodegradable product of vegetable origin, to be watered down in the percentage 95% water, 5% oil, will provide a white colour mixture very effective for drilling operations with no heating of the rail or the drilling machine.

V11



Antifreeze concentrate 3 litres.

Added to the lubro cooling mixture with the right percentage will maintain the lubrocooling mixture fluid (see table) in negative temperature conditions.



MSC

Tool for collecting metallic swarf following drilling operations.



SK9038



Countersink conical flaring for unalloyed steels, with ergonomic handle in two component material.

- Ø max. 38 mm
- 90° head angle
- 6-edged head