

# 18V CORDLESS HYDRAULIC PULLER-TYPE HOLE PUNCHING TOOL B-FL750

## general features

Next generation of 18.0 V cordless hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm thickness.

New Li-Ion 18 V 4 Ah batteries offer a higher capacity than 14.4 V 3 Ah, while greater punch speed and punching force result from a revitalised hydraulic system with double speed action. The battery is equipped with LED indicators to show the remaining battery life at any time by pressing the adjacent button. The balanced punching head pivots 180deg through a full 360deg rotation for ease of use in confined spaces. Fitted with a maximum hydraulic pressure valve.



Designed with improved balance, B-FL750 is easily manageable during the punching process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

**Operating temperature: -15 to +50 ° C**

The tool is supplied as:

- > Basic tool with battery and shoulder strap
- > Spare battery
- > Battery charger
- > Puller TD-11
- > Puller TD-19
- > Spiral bit Ø 11,5 mm
- > Plastic carrying case

## PUNCHING ACCESSORIES AVAILABLE

ROUND PUNCH								
Hole Diameter				Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal		Pg	ISO	GAS	Stainless Steel		Mild Steel	KIT (Punch + Die)
Ø (mm)	Ø (inch)							

15,5	.610	Pg9	-	-	2,5 mm (0.1 in.) Rm= 700 N/mm <sup>2</sup>	3,5 mm (0.14 in.) Rm= 510 N/mm <sup>2</sup>	11,5	RD15.5SS	TD- 11
16,2	.638	-	ISO- 16	-			RD16.2SS		
17	.669	-	-	G3/8"			RD17SS		
17,5	.689	-	-	-			RD17.5SS		
18,8	.740	Pg11	-	-			RD18.8SS		
19,1	.752	-	-	-			RD19.1SS		
20,5	.807	Pg 13,5	ISO- 20	-			RD20.5SS		
21,5	.846	-	-	G1/2"			RD21.5SS		
22,6	.890	Pg16	-	-			RD22.6SS		
23,8	.937	-	-	G5/8"			RD23.8SS		
25,4	1.000	-	ISO- 25	-			RD25.4SS		
27	1.063	-	-	G3/4"			RD27SS		
28,5	1.122	Pg21	-	-			RD28.5SS		
30,5	1.201	-	-	G7/8"			RD30.5SS		
28,5	1.122	Pg 21	-	-			20 RD28.5SS- 19		
30,5	1.201	-	-	G7/8"			RD30.5SS- 19		
31,8	1.252	-	-	-			RD31.8SS		
32,5	1.279	-	ISO- 32	-			RD32.5SS		
34	1.338	-	-	G1"			RD34SS		
34,6	1.362	-	-	-			RD34.6SS		
37,2	1.464	Pg29	-	-	RD37.2SS				
38,1	1.500	-	-	-	RD38.1SS				
38,5	1.515	-	-	G1"1/8"	RD38.5SS				

40,5	1.594	-	ISO-40	-				RD40.5SS	TD-19
41,3	1.626	-	-	-				RD41.3SS	
42,5	1.673	-	-	G1"1/4"				RD42.5SS	
43,2	1.701	-	-	-				RD43.2SS	
44,5	1.752	-	-	-				RD44.5SS	
47,2	1.858	Pg36	-	-				RD47.2SS	
48,5	1.909	-	-	G1"1/2"				RD48.5SS	
50,5	1.988	-	ISO-50	-				RD50.5SS	
51,4	2.023	-	-	-				RD51.4SS	
52,4	2.063	-	-	-				RD52.4SS	
54,2	2.134	Pg42	-	G1"3/4"				RD54.2SS	
60	2.362	Pg48	-	G2"				RD60SS	
60,5	2.381	-	-	-				RD60.5SS	
64	2.520	-	ISO-63	-				RD64SS	
65	2.559	-	-	-				RD65SS	
76	2.992	-	-	G2"1/2"		3		RD76SS	
76,5	3.011	-	-	-		3,5		RD76.5SS	
80,5	3.169	-	-	-		3		RD80.5SS	
89	3.503	-	-	G3"		3,5		RD89SS	
90	3.543	-	-	-	2	3		RD90SS	
100	3.937	-	-	-	2	3	29	RD100SS	
102	4.015	-	-	-	2	3		RD102SS	
114	4.488	-	-	-	2	2,5		RD114SS	
120	4.724	-	-	-	1,5	2		RD120SS	
140	5.512	-	-	-	1,5	2		RD140SS	

\* Puller included in the kit

SQUARE PUNCH					
Hole Diameter		Material max thickness (mm)		Pilot hole Ø	Type
Nominal		Stainless Steel	Mild Steel		
Ø (mm)	Ø (inch)				
21,0 x 21,0	.827 x .827	2,5	3,5	12	RD21X21
46,0 x 46,0	1.811 x 1.811	1,5	2	26,5	RD46X46
68,0 x 68,0	2.677 x 2.677			22,5	RD68X68
92,0 x 92,0	3.622 x 3.622			22,5	RD92X92
126,0 x 126,0	4.960 x 4.960			22,5	RD126X126
138,0 x 138,0	5.433 x 5.433	1	1,5	28,5	RD138X138
220,0 x 220,0	8.661 x 8.661			28,5	RD220X220

RECTANGULAR PUNCH					
Hole Diameter		Material max thickness (mm)		Pilot hole Ø	Type
Nominal		Stainless Steel	Mild Steel		
Ø (mm)	Ø (inch)				

18,0 x 46,0	.709 x 1.811	2	2	16,5	RD18X46
22,0 x 30,0	.866 x 1.181				RD22X30
22,0 x 46,0	.866 x 1.811				RD22X46
35,0 x 86,0	1.377 x 3.385				RD35X86
35,0 x 112,0	1.377 x 4.409				RD35X112
36,0 x 46,0	1.417 x 1.811				23,8
37,0 x 54,0	1.456 x 2.125	1,5	2	16,5	RD37X54
37,0 x 67,0	1.456 x 2.637				RD37X67
37,0 x 88,0	1.456 x 3.464			RD37X88	
37,0 x 104,0	1.456 x 4.094			RD37X104	
37,0 x 115,0	1.456 x 4.527			RD37X115	
46,0 x 54,0	1.811 x 2.126			26,5	RD46X54
46,0 x 72,0	1.811 x 2.835				RD46X72
46,0 x 107,0	1.811 x 4.212				RD46X107
50,0	1.968				

x 98,0	x 3.858				RD50X98
67,0 x 126,0	2.637 x 4.960			28,5	RD67X126

"D" PUNCH					
Hole Diameter		Material max thickness (mm)		Pilot hole Ø	Type
Nominal		Stainless Steel	Mild Steel		KIT (Punch + Die + Puller)
Ø (mm)	Ø (inch)				
(a)38,3 x (b)36,6	(a)1.507 x (b)1.442	2,5	3,5	18,5	RD18D
(a)43,1 x (b)41,5	(a)1.696 x (b)1.632				RD24D

Acciaio inox = Rm= 700 N/mm<sup>2</sup> - Acciaio dolce = Rm= 500 N/mm<sup>2</sup>

USE OF NON-CEMBRE PUNCHING ACCESSORIES		
Type	Punch & Die	Pilot Hole Ø mm
TRD-9,4C (*)	KLAUKE, GREENLEE 3/8" - 24 UNF	Ø 9.7
TRD-M11C (*)	IMB, BM, COSMEC (M11x1.5)	Ø 11.5
TD-M16C	IMB, BM, COSMEC (M16x1.5)	Ø 16.5 RD17.5SS
TD27	COSMEC (Ø105÷Ø140)	Ø 27.5
TD14X14-M14	COSMEC 46x46	Ø 18.8
TD120X20-M20	COSMEC 92x92	Ø 27.5
TD20X20-M20	B M , C O S M E C 42x95	Ø 27.5

TGD-13.5X13.5-M13	COSMEC 40x40; 45x45; 46x46	Ø 18.8
TGD-10X10-M9	COSMEC 006505	Ø 13.8

**(\*) the washer supplied with the KIT must be threaded onto the draw stud and positioned between the head and the die to allow the die to rest correctly**

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## *Technical characteristics*

### PROPERTIES

Type of action	Hole punching
Maximum diameter pierceable	140 mm
Battery material	Li-Ion
Battery voltage	18 V
Battery current	4 Ah
Length	363 mm
Height	366 mm
Width	83 mm
Weight	5.1 kg





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*Products used together*

Nest		
Dies RD		
RD100SS	RD102SS	RD114SS
RD120SS	RD126X126	RD138X138
RD140SS	RD15.5SS	RD16.2SS
RD17.5SS	RD18.8SS	RD18D
RD18X46	RD19.1SS	RD20.5SS
RD21X21	RD22.6SS	RD220X220
RD22X30	RD22X46	RD23.8SS
RD24D	RD25.4SS	RD27SS
RD28.5SS	RD28.5SS-19	RD30.5SS
RD30.5SS-19	RD31.8SS	RD32.5SS
RD34.0SS	RD34.6SS	RD34SS
RD35X112	RD35X86	RD36X46
RD37.2SS	RD37X104	RD37X115
RD37X54	RD37X67	RD37X88
RD38.1SS	RD38.5SS	RD40.5SS
RD41.3SS	RD42.5SS	RD43.2SS
RD44.5SS	RD46X107	RD46X46
RD46X54	RD46X72	RD47.2SS
RD48.5SS	RD50.5SS	RD50X98
RD51.4SS	RD52.4SS	RD54.2SS
RD60SS	RD64SS	RD65SS
RD67X126	RD68X68	RD76SS
RD80.5SS	RD89SS	RD90SS
RD92X92		

## *In the same kit*

### Accessories

Shoulder strap 6000354      USB cable 6006309

### Puller

#### **Puller TD**

Puller TD-11      Puller TD-19

### Tools

**- KIT 18.0 V Cordless hydraulic PULLER-TYPE hole punching tool B-FL750-1**

**Battery charger ASC30-36 - ASC30-36 EU 27044000**

#### **Batteries CB**

Li-Ion high power battery CB1820L      Li-Ion high power battery CB1840L

### Storage

**- Plastic case VAL P40**

### Drill Bits

**- Spiral bit Ø 11,5 mm YG1**