

# B-FL750NDE

## 18.0 V CORDLESS HYDRAULIC PULLER-TYPE HOLE PUNCHING TOOL

### general features



### MAIN APPLICATIONS

specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm thickness



### TECHNICAL FEATURES

Max Punching Ø mm	140
Dimensions mm	
Length	474
Height	136
Width	81
Battery	18.0V/2.0Ah
Weight kg (with Battery)	4,1

### STORAGE

Type	VAL-P57
Dimensions mm L x W x H	620 x 360 x 138
Weight kg	2,4
Supplied with the tool	✓

B-FL750NDE is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-FL750NDE is specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm thickness.

New Li-Ion 18.0V - 2.0Ah batteries offer a higher capacity, while greater punch speed and punching force result from a revitalised hydraulic system with double speed action.

The battery is equipped with LED indicators that indicate 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.

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.

For the punch-die selection chart see page 209.

Operating temperature:  
-15 to +50 °C



### The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- USB cable
- Puller TD-11
- Puller TD-19
- Spiral bit Ø 11,5 mm
- Plastic carrying case suitable for storing the tool and accessories



Universal joint allows punching head to pivot 180 degrees over a full 360 degrees rotation.

# PUNCHING ACCESSORIES AVAILABLE

for B-FL750NDE

## Round punch

Hole diameter				Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal Ø (mm)	Ø (inch)	Pg	ISO	Stainless Steel	Mild Steel		KIT (Punch + Die)	Puller
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>	TD-11	RD15.5SS
16,2	.638	-	ISO-16	-				RD16.2SS
17,0	.669	-	-	G3/8"				RD17.5SS
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
27,0	1.063	-	-	G3/4"			RD27.5SS	
28,5	1.122	Pg21	-	-			RD28.5SS	
30,5	1.201	-	-	G7/8"			RD30.5SS	
28,5	1.122	Pg 21	-	-			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	
34,0	1.338	-	-	G1"			RD34.5SS	
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	
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			
60,0	2.362	Pg48	-	G2"	RD60.5SS			
60,5	2.381	-	-	-	RD60.5SS			
64,0	2.520	-	ISO-63	-	RD64.5SS			
65,0	2.559	-	-	-	RD65.5SS			
76,0	2.992	-	-	G2"1/2"	RD76.5SS			
76,5	3.011	-	-	-	RD76.5SS			
80,5	3.169	-	-	-	RD80.5SS			
89,0	3.503	-	-	G3"	RD89.5SS			
90,0	3.543	-	-	-	RD90.5SS			
100,0	3.937	-	-	-	RD100.5SS			
102,0	4.015	-	-	-	RD102.5SS			
114,0	4.488	-	-	-	RD114.5SS			
120,0	4.724	-	-	-	RD120.5SS			
140,0	5.512	-	-	-	RD140.5SS			

Stainless Steel = Rm= 700 N/mm<sup>2</sup> - Mild Steel = Rm= 510 N/mm<sup>2</sup>

\* Puller included in the kit



## Square punch

Hole dimensions		Material max thickness (mm)		Pilot hole Ø (mm)	Type
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		
21,0 x 21,0	.827 x .827	2,5	3,5	12,0	RD21X21
46,0 x 46,0	1.811 x 1.811	1,5	2,0	26,5	RD46X46
68,0 x 68,0	2.677 x 2.677			RD68X68	
92,0 x 92,0	3.622 x 3.622			RD92X92	
126,0 x 126,0	4.960 x 4.960	1,0	1,5	28,5	RD126X126
138,0 x 138,0	5.433 x 5.433			RD138X138	
220,0 x 220,0	8.661 x 8.661			RD220X220	
224,0 x 224,0	8.818 x 8.818			RD224X224	

## Rectangular punch

Hole dimensions		Material max thickness (mm)		Pilot hole Ø (mm)	Type
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		
18,0 x 46,0	.709 x 1.811	2,0	2,0	16,5	RD18X46
22,0 x 30,0	.866 x 1.181			RD22X30	
22,0 x 46,0	.866 x 1.811			RD22X46	
29,0 x 71,0	1.141 x 2.795			RD29X71	
35,0 x 65,0	1.377 x 2.559			RD35X65	
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			RD36X46	
37,0 x 54,0	1.456 x 2.125			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	1,5	26,5	RD46X54	
46,0 x 72,0	1.811 x 2.835			RD46X72	
46,0 x 92,0	1.811 x 3.622			RD46X92	
46,0 x 107,0	1.811 x 4.212			RD46X107	
50,0 x 98,0	1.968 x 3.858	1,5	28,5	RD50X98	
67,0 x 126,0	2.637 x 4.960			RD67X126	
72,0 x 136,0	2.834 x 5.354			RD72X136	

Stainless Steel = Rm= 700 N/mm<sup>2</sup> - Mild Steel = Rm= 510 N/mm<sup>2</sup>

## "D" punch

Hole dimensions		Material max thickness (mm)		Pilot hole Ø (mm)	Type
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		
(a)38,3 x (b)36,6	(a)1.507 x (b)1.442	2,5	3,5	18,5	RD 18D
(a)43,1 x (b)41,5	(a)1.696 x (b)1.632				RD 24D

Stainless Steel = Rm= 700 N/mm<sup>2</sup> - Mild Steel = Rm= 510 N/mm<sup>2</sup>

## Use of non-Cembre punching accessories

Type	Punch & Die	Pilot hole Ø mm
TRD-9.4C (*)	GREENLEE 3/8" - 24 UNF	Ø 10.0
TRD-M11C (*)	BM, COSMEC (M11x1.5), IMB 9602	Ø 11.5
TD-M16C	BM, COSMEC (M16x1.5)	Ø 16.5
TD-27	BM, COSMEC (Ø105-Ø140)	Ø 27.5
TD-14X14-M14	BM, COSMEC 46x46	Ø 18.8
TD-120X20-M20	BM, COSMEC 92x92	Ø 27.5
TD-20X20-M20 (with plug)	BM, COSMEC 42x95	Ø 27.5
TGD-13.5X13.5-M13	BM, COSMEC 40x40; 45x45; 46x46 (M13)	Ø 18.8
TGD-10X10-M9	BM, COSMEC 006505	Ø 13.8
TD-9	IMB 9601	Ø 9.5
TD-16	IMB 9603	Ø 16.5
TD-10X10-M10 (with plug)	IMB 9623	Ø 14.5
TD-14X14-M14/1"	IMB 9625	Ø 19.5
TD-20 (without plug)	IMB 9626	Ø 27.5
TD-20X20-M20-C (with plug)	IMB 9626	Ø 27.5

(\*) 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