

18.0 V Cordless hydraulic Puller-Type hole punching tool

B-FL750

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	363
Height	366
Width	83
Battery	18.0V 5.2Ah
Weight kg (with Battery)	5,1

STORAGE

Type	VAL-P56
Dimensions mm L x W x H	690 x 446 x 179
Weight kg	5,5
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and shoulder 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 180deg over a full 360deg rotation.

Next generation of 18.0V 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 18.0V - 5.2Ah 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.

For the punch-die selection chart see page 215.

Operating temperature: -15 to +50 °C

Punching accessories available

for B-FL750ND, B-FL750 and KIT-B-FL750-1

Round punch

Hole diameter					Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal Ø (mm)	Ø (inch)	Pg	ISO	GAS	Stainless Steel	Mild Steel		KIT (Punch + Die)	Puller
15,5	.610	Pg9	-	-	2,5 mm (0.1 in.) Rm= 700N/mm ²	3,5 mm (0.14 in.) Rm= 510 N/mm ²	RD15.5SS	TD-11	
16,2	.638	-	ISO-16	-					
17,0	.669	-	-	G3/8"					
17,5	.689	-	-	-					
18,8	.740	Pg11	-	-					
19,1	.752	-	-	-					
20,5	.807	Pg 13,5	ISO-20	-					
21,5	.846	-	-	G1/2"					
22,6	.890	Pg16	-	-					
23,8	.937	-	-	G5/8"					
25,4	1.000	-	ISO-25	-					
27,0	1.063	-	-	G3/4"					
28,5	1.122	Pg21	-	-					
30,5	1.201	-	-	G7/8"					
28,5	1.122	Pg 21	-	-					
30,5	1.201	-	-	G7/8"					
31,8	1.252	-	-	-					
32,5	1.279	-	ISO-32	-					
34,0	1.338	-	-	G1"					
34,6	1.362	-	-	-					
37,2	1.464	Pg29	-	-					
38,1	1.500	-	-	-					
38,5	1.515	-	-	G1 1/8"					
40,5	1.594	-	ISO-40	-					
41,3	1.626	-	-	-					
42,5	1.673	-	-	G1 1/4"					
43,2	1.701	-	-	-					
44,5	1.752	-	-	-					
47,2	1.858	Pg36	-	-					
48,5	1.909	-	-	G1 1/2"					
50,5	1.988	-	ISO-50	-					
51,4	2.023	-	-	-					
52,4	2.063	-	-	-					
54,2	2.134	Pg42	-	G1 3/4"					
60,0	2.362	Pg48	-	G2"					
60,5	2.381	-	-	-					
64,0	2.520	-	ISO-63	-					
65,0	2.559	-	-	-					
76,0	2.992	-	-	G2 1/2"					
76,5	3.011	-	-	-					
80,5	3.169	-	-	-					
89,0	3.503	-	-	G3"					
90,0	3.543	-	-	-					
100,0	3.937	-	-	-					
102,0	4.015	-	-	-					
114,0	4.488	-	-	-					
120,0	4.724	-	-	-					
140,0	5.512	-	-	-					
							RD15.5SS		
							RD16.2SS		
							RD17.5SS		
							RD18.8SS		
							RD19.1SS		
							RD20.5SS		
							RD21.5SS		
							RD22.6SS		
							RD23.8SS		
							RD25.4SS		
							RD27.5SS		
							RD28.5SS		
							RD30.5SS		
							RD28.5SS-19		
							RD30.5SS-19		
							RD31.8SS		
							RD32.5SS		
							RD34.5SS		
							RD34.6SS		
							RD37.2SS		
							RD38.1SS		
							RD38.5SS		
							RD40.5SS		
							RD41.3SS		
							RD42.5SS		
							RD43.2SS		
							RD44.5SS		
							RD47.2SS	TD-19	
							RD48.5SS		
							RD50.5SS		
							RD51.4SS		
							RD52.4SS		
							RD54.2SS		
							RD60.5SS		
							RD60.5SS		
							RD64.5SS		
							RD65.5SS		
							RD76.5SS		
							RD76.5SS		
							RD80.5SS		
							RD89.5SS		
							RD90.5SS		
							RD100.5SS		
							RD102.5SS		
							RD114.5SS	TD-28.5*	
							RD120.5SS		
							RD140.5SS		

Stainless Steel = Rm= 700 N/mm² - Mild Steel = Rm= 510 N/mm²

* 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			28,5	RD68X68
92,0 x 92,0	3.622 x 3.622				RD92X92
126,0 x 126,0	4.960 x 4.960				RD126X126
138,0 x 138,0	5.433 x 5.433	1,0	1,5	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	26,5	RD37X104		
37,0 x 115,0	1.456 x 4.527		RD37X115		
46,0 x 54,0	1.811 x 2.126		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	RD50X98			
67,0 x 126,0	2.637 x 4.960	28,5	RD67X126		
72,0 x 136,0	2.834 x 5.354		RD72X136		

Stainless Steel = Rm= 700 N/mm² - Mild Steel = Rm= 510 N/mm²

"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/mm² - Mild Steel = Rm= 510 N/mm²

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)	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