

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 0.14 in. 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 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. Fitted with a maximum hydraulic pressure valve.



Designed with improved balance, B-FL750A 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: +5 to +122°F

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
- > USB cable
- > Plastic carrying case

PUNCHING ACCESSORIES AVAILABLE

| ROUND PUNCH | | | |
|---------------|-----------------------------|------------|------|
| Hole Diameter | Material max thickness (mm) | Pilot hole | Type |
| | | | |

| Nominal | | Pg | ISO | GAS | Stainless Steel | Mild Steel | Ø | KIT (Punch + Die) | Puller |
|---------|----------|---------|--------|-------|--------------------------------|------------------------------------------------------|------|----------------------|--------|
| Ø (mm) | Ø (inch) | | | | | | (mm) | | |
| 15,5 | .610 | Pg9 | - | - | 2,5 mm (0.1 in.) Rm= 700 | 3,5 mm (0.14 in.) Rm= 510 N/mm ² | 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 | | | |

| | | | | | N/mm ² | | | | |
|------|-------|------|--------|---------|-------------------|-----|------------|----------|-------|
| 38,1 | 1.500 | - | - | - | | | | RD38.1SS | TD-19 |
| 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 | 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 | TD-28.5* |
| 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 (mm) | Type |
| Nominal | | Stainless Steel | Mild Steel | | KIT (Punch + Die + Puller) |
| 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 | | | RD92X92 | |
| 126,0 x 126,0 | 4.960 x 4.960 | | | 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 | | | RD220X220 | |

| RECTANGULAR PUNCH | | | |
|-------------------|-----------------------------|------------|------|
| Hole Diameter | Material max thickness (mm) | Pilot hole | Type |

| Nominal | | Stainless Steel | Mild Steel | Ø | KIT (Punch + Die + Puller) |
|--------------------|---------------------|-----------------|------------|------|-------------------------------------|
| Ø (mm) | Ø (inch) | | | (mm) | |
| 18,0 x 46,0 | .709 x 1.811 | 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 | 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 | | | | 1,5 |
| 46,0 x 72,0 | 1.811 x 2.835 | RD46X72 | | | |

| | | | | | |
|--------------------|---------------------|--|--|------|----------|
| 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 |

| "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/mm² - Acciaio dolce = Rm= 500 N/mm²

| 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

CERTIFICATES 

 BT 2006/42/CE

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List of products

B-FL750

| Type | Battery material | Battery voltage | Battery current | Length | Height | Width | Weight | Type of action |
|----------|------------------|-----------------|-----------------|-----------|-----------|----------|------------|----------------|
| B-FL750A | Li-Ion | 18 V | 4 Ah | 14.29 in. | 14.41 in. | 3.27 in. | 11.22 lbs. | Hole punching |