

HT-FL74



Hand operated hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm thickness. Compact, lightweight and easy to handle. The tool is supplied complete with plastic case VAL P28 for protection

and storage when not in use. Supplied with Pullers TD-11, TD-19 and spiral bit Ø 11,5 mm. For the punch-die selection chart see page 177.

TECHNICAL FEATURES

Max Punching Ø mm	140
Dimensions mm	
Length	381
Width	138
Weight kg	3,3

STORAGE

Type	VAL-P28
Dimensions mm L x W x H	620 x 360 x 138
Weight kg	2,4
Supplied with the tool	✓
Purchase separately	-



HT-FL75



Hand operated hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm thickness. Compact, lightweight and easy to handle. The balanced punching head pivots 180deg through a full 360deg rotation for ease of use in confined spaces.

The tool is supplied complete with plastic case VAL P28 for protection and storage when not in use. Supplied with Pullers TD-11, TD-19 and spiral bit Ø 11,5 mm. For the punch-die selection chart see page 177.

TECHNICAL FEATURES

Max Punching Ø mm	140
Dimensions mm	
Length	452
Width	138
Weight kg	3,67

STORAGE

Type	VAL-P28
Dimensions mm L x W x H	620 x 360 x 138
Weight kg	2,4
Supplied with the tool	✓
Purchase separately	-



KIT-HT-FL75-1



HOLE PUNCHING KIT

general features

KIT-HT-FL75-1

Kit includes:

HT-FL75 Puller-type hole punching hydraulic tool

VAL P28 plastic carrying case with accessories

Puller TD-11

Puller TD-19

spiral bit Ø 11,5 mm

4 KIT for round punch:

KIT-RD18.8SS Pg11

KIT-RD20.5SS Pg13.5

KIT-RD22.6SS Pg16

KIT-RD28.5SS Pg21

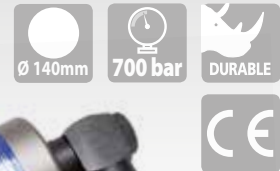
PULLER-TYPE HOLE PUNCHING HEAD

RH-FL75

general features

MAIN APPLICATIONS

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



STORAGE

Type	VAL-P29
Dimensions mm L x W x H	448 x 288 x 105
Weight kg	1,4
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max Punching Ø mm	140
Max operating pressure bar	700
Dimensions mm	
Length	163
Width	106
Weight kg	1,9



Hydraulic head, for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm thickness.

pump with a working pressure of 700 bar max (see page 218-224). Supplied with Pullers TD-11, TD-19 and spiral bit Ø 11,5 mm.

Compact and lightweight, easy to handle in confined spaces due to a rotating 90deg quick automatic coupler for connection to a hydraulic

For the punch-die selection chart see table below.



HT-FL74, HT-FL75 and RH-FL75 Punching accessories available

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

* Puller included in the kit

"D" punch

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

Stainless Steel = Rm= 700 N/mm² - Mild Steel = Rm= 500 N/mm²

Square punch

Hole diameter		Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		KIT (Punch+die + Puller)	
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				RD46X46	
68,0 x 68,0	2.677 x 2.677			26,5	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	RD138X138				
220,0 x 220,0	8.661 x 8.661	1,0	1,5	RD220X220		
224,0 x 224,0	8.818 x 8.818			RD224X224		

Rectangular punch

Hole diameter		Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		KIT (Punch+die + Puller)	
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	26,5	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= 500 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