

# PULLER-TYPE HOLE PUNCHING HEAD RH-FL75

## general features

Hydraulic head, for hole punching stainless steel, soft steel, fibreglass and plastic sheet materials up to 0.14 in. thickness. Compact and lightweight, easy to handle in confined spaces due to a rotating 90deg quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max. Supplied with Pullers TD-11, TD-19 and spiral bit Ø 0.45 in.



## 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)	Puller
Ø (mm)	Ø (inch)								
15,5	.610	Pg9	-	-			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	-	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>		RD25.4SS	TD-19
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	
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	TD-28.5*
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 (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			26,5	RD46X46
68,0 x	2.677 x				RD68X68

68,0	2.677	1,5	2	22,5	RD92X92
92,0 x 92,0	3.622 x 3.622				
126,0 x 126,0	4.960 x 4.960				
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				

		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		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	RD36X46
37,0 x	1.456 x				RD37X54

54,0	2.125	1,5	2	16,5	RD37X67
37,0 x 67,0	1.456 x 2.637				
37,0 x 88,0	1.456 x 3.464				
37,0 x 104,0	1.456 x 4.094			26,5	RD37X88
37,0 x 115,0	1.456 x 4.527				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 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		(mm)
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

Width	4.17 in.
Length	6.42 in.
Hole diameter	5.51 in.
Weight	4.18 lbs.
Nominal pressure	10150 psi
Type of action	Hole punching



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## *Products used together*

Nest		
<b>Dies RD</b>		
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		
Tools		
HYDRAULIC PUMPS CPE-1-110 - CPE-1-110		
HYDRAULIC PUMPS PO7000 - PO7000		
HYDRAULIC PUMPS CPP-0 - CPP-0		
Portable electro-hydraulic pump B1300PL - B1300PLA		



*In the same kit*

Storage

**CASE VAL - Plastic case VAL P29**