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KNOCK OUT PUNCHES



AND CUTTING TOOLS



PUNCHES:

Designed and manufactured by FORZA for more than 50 years. We have the widest range on the market for all types of jobs and materials.

Request a quote for custom drills



KNOCK OUT PUNCHES



	Circular knock out punches147
	Circular knock out punches with bearing.....148-149
	Knock out punches without grinding.....150
	Punches with bearing without grinding.....151
	Sizes for American Market153
	Drive assembly154
	Hydraulic knock out punches155
	Square and rectangular punches156-157
	Hydraulic square and rectangular punches.....157
	Knock out punches sets158-160
	Hollow punches161-163

Mechanical metal sheet punches with anti-scratch washer.
Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.



Bullet points

- The screws of the 54 series drills are of very high strength 140Kg/mm².
- Better performance and longer life due to ground cutting edge.



The standard punches can cut up to 2 mm in steel plates and up to 1,5* mm in stainless steel sheet plates.

*This is a general recommendation; there is a wide range of steels and stainless steels. It is strongly recommended to use oil in the steel plate before cutting (e.g. using protoolube). In case of any doubt, it is recommended to use serie 56 (more cutting capacity).

Ref.	Ø	Inch	PG	Screw	⚖	Spare part
						Screw and washer
54/13	13	1/2"	-	M8	0,1	542008
54/14	14	-	-	M8	0,1	542008
54/15	15	-	9	M8	0,1	542008
54/16	16	5/8"	-	M8	0,1	542008
54/17	17	-	-	M8	0,1	542008
54/18	18	-	11	M8	0,1	542008
54/19	19	3/4"	-	M8	0,1	542008
54/20	20	-	13	M10	0,1	542010
54/21	21	-	-	M10	0,1	542010
54/22	22	7/8"	16	M10	0,2	542010
54/23	23	-	-	M10	0,2	542010
54/24	24	-	-	M10	0,2	542010
54/25	25	1"	-	M10	0,2	542010
54/26	26	-	-	M10	0,2	542010
54/27	27	-	-	M10	0,2	542010
54/28	28	1 3/32"	21	M12	0,3	542012
54/29	29	-	-	M12	0,3	542012
54/30	30	-	-	M12	0,3	542012
54/31	31	-	-	M12	0,3	542012
54/32	32	1 1/4"	-	M12	0,3	542012
54/33	33	-	-	M12	0,3	542012
54/34	34	1 11/32"	-	M12	0,4	542012
54/35	35	-	-	M12	0,4	542012
54/36	36	-	-	M12	0,4	542012
54/37	37	-	29	M12	0,4	542012
54/38	38	1 1/2"	-	M12	0,4	542012
54/39	39	-	-	M12	0,5	542012
54/40	40	-	-	M14	0,6	542014
54/41	41	-	-	M14	0,6	542014
54/42	42	-	-	M14	0,6	542014
54/43	43	1 11/16"	-	M14	0,7	542014
54/44	44	-	-	M14	0,7	542014
54/45	45	-	-	M14	0,6	542014
54/46	46	-	-	M14	0,7	542014
54/47	47	-	36	M14	0,8	542014
54/48	48	-	-	M14	0,8	542014
54/49	49	-	-	M14	0,9	542014
54/50	50	-	-	M14	0,9	542014
54/51	51	2"	-	M14	0,9	542014
54/52	52	-	-	M14	0,9	542014
54/55	55	-	42	M20	1,6	542020
54/60	60	2 3/8"	48	M20	1,7	542020
54/62	62	2 7/16"	-	M20	1,7	542020
54/63	63	2 1/2"	-	M20	1,7	542020
54/65	65	2 9/16"	-	M20	2,1	542020
54/70	70	2 3/4"	-	M20	2,1	542020
54/72	72	2 13/16"	-	M20	2,1	542020
54/75	75	-	-	M20	2,6	542020
54/76	76	3"	-	M20	2,6	542020
54/80	80	3 1/8"	-	M20	2,6	542020
54/85	85	3 3/8"	-	M20	3,3	542020
54/89	89	3 1/2"	-	M20	3,3	542020
54/90	90	-	-	M20	3,3	542020
54/91	91	3 9/16"	-	M20	3,3	542020
54/95	95	3 3/4"	-	M20	3,8	542020
54/100	100	-	-	M20	3,9	542020
54/102	102	4"	-	M20	3,9	542020
54/105	105	4 1/8"	-	M20	4,1	542020
54/110	110	4 5/16"	-	M20	4,5	542020
54/115	115	4 1/2"	-	M20	4,6	542020
54/116	116	4 9/16"	-	M20	4,6	542020



KNOCK OUT PUNCH WITH BEARING SERIE 55

55



Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.



Bullet points

- The screws of the 55 series punches are of very high strength 140Kg/mm2.
- The series 55 includes a bearing which increases the performance of the punch by 200%, therefore, half of the strength is required when cutting. Recommended for large diameter holes.
- Better performance and longer life due to ground cutting edge.



The standard punches can cut up to 2 mm in steel plates and up to 1,5* mm in stainless steel sheet plates.

*This is a general recommendation; there is a wide range of steels and stainless steels. It is strongly recommended to use oil in the steel plate before cutting (e.g. using protoolube). In case of any doubt, it is recommended to use serie 56 (more cutting capacity).

Ref.	Ø	Inch	PG	Screw	⚖️	Spare part
						Screw with bearing
55/13	13	1/2"	-	M8	0,1	540108R
55/14	14	-	-	M8	0,1	540108R
55/15	15	-	9	M8	0,1	540108R
55/16	16	5/8"	-	M8	0,1	540108R
55/18	18	-	11	M10	0,2	540110R
55/20	20	-	13	M10	0,2	540110R
55/21	21	-	-	M10	0,2	540110R
55/22	22	7/8"	16	M10	0,2	540110R
55/23	23	-	-	M10	0,2	540110R
55/24	24	-	-	M10	0,2	540110R
55/25	25	1"	-	M10	0,2	540110R
55/26	26	-	-	M10	0,2	540110R
55/27	27	-	-	M10	0,2	540110R
55/28	28	1 3/32"	21	M12	0,4	540112R
55/29	29	-	-	M12	0,4	540112R
55/30	30	-	-	M12	0,4	540112R
55/31	31	-	-	M12	0,4	540112R
55/32	32	1 1/4"	-	M12	0,4	540112R
55/33	33	-	-	M12	0,4	540112R
55/34	34	1 11/32"	-	M12	0,5	540112R
55/35	35	-	-	M12	0,5	540112R
55/36	36	-	-	M12	0,5	540112R
55/37	37	-	29	M12	0,5	540112R
55/38	38	1 1/2"	-	M12	0,5	540112R
55/39	39	-	-	M12	0,5	540112R
55/40	40	-	-	M14	0,7	540114R
55/41	41	-	-	M14	0,8	540114R
55/42	42	-	-	M14	0,8	540114R
55/43	43	1 11/16"	-	M14	0,8	540114R
55/44	44	-	-	M14	0,9	540114R
55/45	45	-	-	M14	0,8	540114R
55/46	46	-	-	M14	0,9	540114R
55/47	47	-	36	M14	0,9	540114R
55/48	48	-	-	M14	0,9	540114R
55/49	49	-	-	M14	1,0	540114R
55/50	50	-	-	M14	1,0	540114R
55/51	51	2"	-	M14	1,0	540114R
55/52	52	-	-	M14	1,1	540114R
55/55	55	-	42	M20	1,8	540120R
55/60	60	2 3/8"	48	M20	2,0	540120R
55/63	63	2 1/2"	-	M20	1,9	540120R
55/65	65	-	-	M20	2,3	540120R
55/70	70	-	-	M20	2,3	540120R
55/72	72	-	-	M20	2,4	540120R
55/75	75	-	-	M20	2,8	540120R
55/80	80	-	-	M20	2,8	540120R
55/85	85	-	-	M20	3,5	540120R
55/90	90	-	-	M20	3,5	540120R
55/95	95	-	-	M20	4,1	540120R
55/100	100	-	-	M20	4,1	540120R
55/105	105	-	-	M20	4,3	540120R
55/110	110	-	-	M20	4,6	540120R
55/115	115	-	-	M20	4,9	540120R

KNOCK OUT PUNCH WITH BEARING SERIE 56 **56**

MORE CUTTING CAPACITY

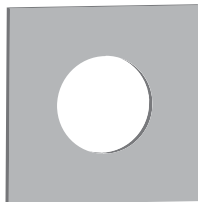
Reinforced series for cutting up to 3 mm in steel sheets and 2 mm in stainless steel sheets.


Other punch sizes can be modified to cut different thicknesses on request.



Bullet points

- The screws of the 56 series drills are of very high strength 140Kg/mm².
- They include a bearing which increases the performance of the drill by 200%, therefore, half the force is required. Recommended for large diameter holes.
- Better performance and longer life due to ground cutting edge.



Ref.	Ø	Inch	PG	Screw		Spare part
						Screw with bearing
56/16	16	5/8"	-	M8	0,1	540108R
56/18	18	-	11	M8	0,1	540108R
56/20	20	-	13	M10	0,2	540110R
56/22	22	7/8"	16	M12	0,2	540112R
56/25	25	1"	-	M12	0,2	540112R
56/28	28	1 3/32"	21	M12	0,3	540112R
56/30	30	-	-	M12	0,3	540112R
56/32	32	1 1/4"	-	M12	0,3	540112R
56/35	35	-	-	M12	0,4	540112R
56/37	37	-	29	M12	0,4	540112R
56/40	40	-	-	M14	0,6	540114R
56/45	45	-	-	M14	0,6	540114R
56/47	47	-	36	M14	0,8	540114R
56/50	50	-	-	M14	0,9	540114R
56/55	55	-	42	M20	1,6	540120R
56/60	60	2 3/8"	48	M20	1,7	540120R
56/63	63	2 1/2"	-	M20	1,7	540120R





KNOCK OUT PUNCH WITHOUT GRINDING

54VAL




Mechanical metal sheet punches without grinding and with a anti-scratch washer.
Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.



The standard punches can cut up to 2 mm in steel plates and up to 1,5* mm in stainless steel sheet plates.

*This is a general recommendation; there is a wide range of steels an stainless steels. It is strongly recommended to use oil in the steel plate before cutting (e.g. using protoolube). In case of any doubt, it is recommended to use serie 56 (more cutting capacity)

Ref.	Ø	Inch	PG	Screw		Spare part
						Screw and washer
54VAL13	12,7	1/2"	-	M8	0,1	54V108
54VAL14	14	-	-	M8	0,1	54V108
54VAL15	15	-	9	M8	0,1	54V108
54VAL16	16	5/8"	-	M8	0,1	54V108
54VAL18	18	-	11	M8	0,1	54V108
54VAL19	19	3/4"	-	M8	0,1	54V108
54VAL20	20	-	13	M10	0,1	54V110
54VAL22	22	7/8"	16	M10	0,1	54V110
54VAL25	25	1"	-	M10	0,2	54V110
54VAL28	28	1 3/32"	21	M12	0,3	54V112
54VAL30	30	-	-	M12	0,3	54V112
54VAL32	32	1 1/4"	-	M12	0,3	54V112
54VAL34	34	1 11/32"	-	M12	0,4	54V112
54VAL35	35	-	-	M12	0,4	54V112
54VAL37	37	-	29	M12	0,4	54V112
54VAL38	38	1 1/2"	-	M12	0,4	54V112
54VAL40	40	-	-	M14	0,6	54V114
54VAL43	43	1 11/16"	-	M14	0,7	54V114
54VAL45	45	-	-	M14	0,6	54V114
54VAL47	47	-	36	M14	0,7	54V114
54VAL49	49	1 1/16"	-	M14	0,9	54V114
54VAL50	50	-	-	M14	0,8	54V114
54VAL51	51	2"	-	M14	0,9	54V114
54VAL52	52	-	-	M14	0,9	54V114
54VAL55	55	-	42	M20	1,5	54V120
54VAL60	60	2 3/8"	48	M20	1,6	54V120
54VAL62	61,8	2 7/16"	-	M20	1,6	54V120
54VAL63	63	2 1/2"	-	M20	1,6	54V120
54VAL76	76	3"	-	M20	2,4	54V120
54VAL89	89	3 1/2"	-	M20	3,2	54V120
54VAL91	91	3 9/16"	-	M20	3,3	54V120
54VAL102	102	4"	-	M20	3,8	54V120
54VAL116	116	4 9/16"	-	M20M20	4,6	54V120

KNOCK OUT PUNCH WITHOUT GRINDING WITH BEARING

55VAL



Mechanical sheet punches without grinding and bearing with anti-scratch washer. Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.




Bullet points

- The screws of the 55 series drills are of very high strength 140Kg/mm².
- The series 55 includes a bearing which increases the performance of the drill by 200%, therefore, half of the strength is required when cutting.

The standard punches can cut up to 2 mm in steel plates and up to 1,5* mm in stainless steel sheet plates.

*This is a general recommendation, there is a wide variety of steels and stainless steels. It is advisable to oil the sheet metal before cutting (e.g. use protoolube). In case of doubt, it is recommended to use series 56.

Ref.	Ø	Inch	PG	Screw		Spare part
						Screw with bearing
55VAL13	12,7	1/2"	-	M8	0,1	540108R
55VAL14	14	-	-	M8	0,1	540108R
55VAL15	15	-	9	M8	0,1	540108R
55VAL16	16	5/8"	-	M8	0,1	540108R
55VAL18	18	-	11	M8	0,1	540108R
55VAL19	19	3/4"	-	M8	0,1	540108R
55VAL20	20	-	13	M10	0,2	540110R
55VAL22	22	7/8"	16	M12	0,2	540112R
55VAL25	25	1"	-	M12	0,2	540112R
55VAL28	28	1 3/32"	21	M12	0,4	540112R
55VAL30	30	-	-	M12	0,4	540112R
55VAL32	32	1 1/4"	-	M12	0,4	540112R
55VAL35	35	-	-	M12	0,5	540112R
55VAL37	37	-	29	M12	0,5	540112R
55VAL38	38	1 1/2"	-	M12	0,6	540112R
55VAL40	40	-	-	M14	0,7	540114R
55VAL43	43	1 11/16"	-	M14	0,9	540114R
55VAL45	44	-	-	M14	0,8	540114R
55VAL47	47	-	36	M14	0,9	540114R
55VAL49	49	-	-	M14	1,0	540114R
55VAL50	50	-	-	M14	1,0	540114R
55VAL51	51	2"	-	M14	1,0	540114R
55VAL52	52	-	-	M14	1,1	540114R
55VAL55	55	-	42	M20	1,9	540120R
55VAL60	60	2 3/8"	48	M20	1,9	540120R
55VAL62	62	2 7/16"	-	M20	1,9	540120R
55VAL63	63	2 1/2"	-	M20	1,9	540120R
55VAL76	76	3"	-	M20	2,8	540120R
55VAL89	89	3 1/2"	-	M20	3,5	540120R
55VAL91	91	3 9/16"	-	M20	3,5	540120R
55VAL102	102	4"	--	M20	4,2	540120R
55VAL116	116	4 9/16"	-	M20	4,9	540120R





SCREW AND WASHER

Spare parts screws and washers for mechanical punches.



Ref.	Metrics	⚖️
54V108	M8	0,1
54V110	M10	0,1
54V112	M12	0,1
54V114	M14	0,1
54V120	M20	0,3
542008	M8	0,1
542010	M10	0,1
542012	M12	0,1
542014	M14	0,1
542020	M20	0,4

SCREW WITH BEARING

Replacement screws with bearing for mechanical punches.



Ref.	Metrics	⚖️
540108R	M8	0,1
540110R	M10	0,1
540112R	M12	0,1
540114R	M14	0,2
540120R	M20	0,4

SETS FOR AMERICAN MARKET

55VL90R



Sets with Conduit Punches

Sizes for the American market with bearing

Thanks to the included bearing, the performance of the punches is increased by 200%. This means that it requires only half the force of the punches.



Ref.	Ø Punches	Conduit	⚖️	Punches
55VL95R	22,5 - 28,3 - 34 - 49,7 - 61,8mm	1/2" - 3/4" - 1" - 1 1/2" - 2"	5,2	55VAL050 - 55VAL075 55VAL100 - 55VAL150 55VAL200
55VL96R	22,5 - 28,3 - 34 - 43,3 - 49,7 - 61,8mm	1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2"	5,8	55VAL050 - 55VAL075 55VAL100 - 55VAL125 55VAL150 - 55VAL200

CONDUIT PIPE PUNCH MEASURE WITHOUT BEARING

54VAL0



Mechanical metal sheet punches with anti-scratch washer for the American market.

Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.



*This is a general recommendation, there is a wide variety of steels and stainless steels. It is advisable to oil the sheet metal before cutting (e.g. use protoolube). In case of doubt, it is recommended to use series 56.

Ref.	Ø	Inch	Screw	Conduit Pipe Diameter	Conduit Pipe Inches	⚖️	Spare part
							Screw and washer
54VAL050	22,5	7/8"	M10	12,7	1/2"	0,2	54V110
54VAL075	28	1 3/32"	M12	19	3/4"	0,3	54V112
54VAL100	35	1 11/32"	M12	25,4	1"	0,4	54V112
54VAL125	43	1 11/16"	M14	32	1 1/4"	0,7	54V114
54VAL150	50	1 15/16"	M14	38	1 1/2"	0,9	54V114
54VAL200	62	2 7/16"	M20	51	2"	1,6	54V120
54VAL250	76	2 15/16"	M20	63,5	2 1/2"	2,4	54V120
54VAL300	91	3 9/16"	M20	76,2	3"	3,3	54V120
54VAL350	102	4 1/16"	M20	89	3 1/2"	3,8	54V120
54VAL400	116	4 9/16"	M20	101,6	4"	4,6	54V120

CONDUIT PIPE PUNCH WITH BEARING

55VAL0



Mechanical sheet punches with non-ground bearing for the American market. Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.



*This is a general recommendation, there is a wide variety of steels and stainless steels. It is advisable to oil the sheet metal well before cutting (e.g. use protoolube). In case of doubt, it is recommended to use series 56.

Bullet points

- The screws of the 55 series drills are of very high strength 140Kg/mm2.
- The series 55 includes a bearing which increases the performance of the drill by 200%, therefore, half of the strength is required when cutting.

Ref.	Ø	Inch	Screw	Conduit Pipe Diameter	Conduit Pipe Inches	⚖️	Spare part
							Screw with bearing
55VAL050	22,5	7/8"	M10	12,7	1/2"	0,2	540110R
55VAL075	28,3	1 3/32"	M12	19	3/4"	0,4	540112R
55VAL100	34	1 11/32"	M12	25,4	1"	0,5	540112R
55VAL125	43	1 11/16"	M14	32	1 1/4"	0,9	540114R
55VAL150	50	1 15/16"	M14	38	1 1/2"	1,0	540114R
55VAL200	62	2 7/16"	M20	51	2"	1,9	540120R
55VAL250	76	2 15/16"	M20	63,5	2 1/2"	2,8	540120R
55VAL300	91	3 9/16"	M20	76,2	3"	3,5	540120R
55VAL350	102	4 1/16"	M20	89	3 1/2"	4,2	540120R
55VAL400	116	4 9/16"	M20	101,6	4"	4,9	540120R



HYDRAULIC PART

5400CH0



Hydraulic set.
 Pump with hose and cylinder either 8Tm or 14Tm, depending on requirements.
 Includes all the necessary adapters and has the capacity to store up to 10 punches of your choice (not included in the price).
 For sheet thickness ≤ 1 mm, regardless of the diameter of the punch, use 5400CH.
 For metal sheet thicknesses > 1 mm:
 For diameters less than 75 mm, use 5400CH.
 From diameters > 75 mm upwards use 5414CH.

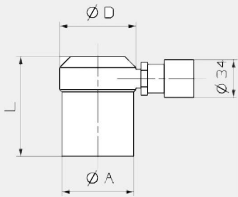


Bullet points

- Hydraulic system increases working speed.
- Longer blade life.

Ref.	TON	⚖️	Spare parts				
			Cylinder	Pump	Washer	Screw	Adaptor
5400CH	8	6,5	009541	009542	009054 009056	009053 009058 009059	009055 009057
5414CH	14	7,6	009544	009542	009054 009056	009053 009058 009059	009055 009057

Technical information of the hydraulic part



Cylinder

Ref.	ØA	ØD	L	Stroke	Tm	⚖️	Included in...
009541	65	69	90	15	8	2,1	5400CH
009544	80	86	90	15	14	3,1	5414CH

Pump

It's a one speed pump. Maximum pressure 700 bar.
 Oil capacity 328 cm³.
 The Oil cover has two purposes, ventilation and filling.
 It works as pressure relief valve in the case of an accidental pressurization of the tank.
 009542 single model includes a 900 mm long hose.



Ref.	Tm	⚖️	Included in...
009542	8-14	3,7	5400CH 5414CH

WASHER

Washers for hydraulic punches.



Ref.	Ø	Ø
009054	M8	8
009056	M12	12
54004	M20	20

SCREW

Screws for hydraulic punches.



Ref.	Métrica	Metrics
009053	M8	M8
009058	M12	M12
009059	M20	M20

ADAPTOR

Adaptors for hydraulic punches.



Ref.	Métrica	Metrics
009055	M8	M8
009057	M12	M12

CIRCULAR HYDRAULIC KNOCK OUT PUNCH SERIE 54H

54H



These punches consist of two parts: the punch with punch and die and the hydraulic part including cylinder, pump, hose and all necessary screws and adapters .

The standard perforators can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.



Bullet points

- Hydraulic system increases working speed.
- Longer blade life.

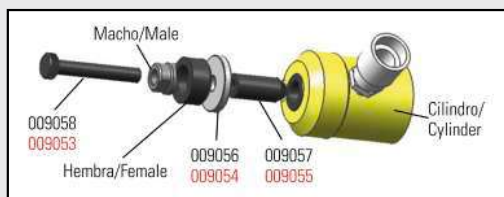


WATCH VIDEO
HYDRAULIC
PUNCHES



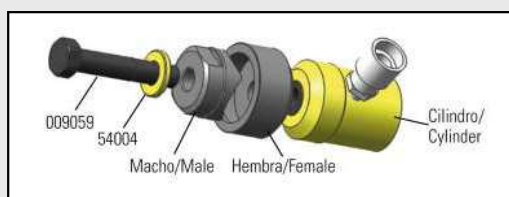
With screw M8 - M12

M8: Punches Ø 13 a 17
M12: Punches Ø 18 a 39



With screw M20

M20: Punches Ø > 39



Ref.	Ø	PG	Screw ø	⚖	Spare parts		
					Washer	Screw	Adaptor
54/13H	13	-	8	0,1	009054	009053	009055
54/14H	14	-	8	0,1	009054	009053	009055
54/15H	15	9	8	0,1	009054	009053	009055
54/16H	16	-	8	0,1	009054	009053	009055
54/17H	17	-	8	0,1	009054	009053	009055
54/18H	18	11	12	0,1	009056	009058	009057
54/19H	19	-	12	0,1	009056	009058	009057
54/20H	20	13	12	0,1	009056	009058	009057
54/21H	21	-	12	0,1	009056	009058	009057
54/22H	22	16	12	0,1	009056	009058	009057
54/23H	23	-	12	0,1	009056	009058	009057
54/24H	24	-	12	0,1	009056	009058	009057
54/25H	25	-	12	0,2	009056	009058	009057
54/26H	26	-	12	0,2	009056	009058	009057
54/27H	27	-	12	0,2	009056	009058	009057
54/28H	28	21	12	0,2	009056	009058	009057
54/29H	29	-	12	0,2	009056	009058	009057
54/30H	30	-	12	0,2	009056	009058	009057
54/31H	31	-	12	0,2	009056	009058	009057
54/32H	32	-	12	0,2	009056	009058	009057
54/33H	33	-	12	0,2	009056	009058	009057
54/34H	34	-	12	0,3	009056	009058	009057
54/35H	35	-	12	0,4	009056	009058	009057
54/36H	36	-	12	0,4	009056	009058	009057
54/37H	37	29	12	0,4	009056	009058	009057
54/38H	38	-	12	0,3	009056	009058	009057
54/39H	39	-	12	0,4	009056	009058	009057
54/40H	40	-	20	0,4	54004	009059	-
54/41H	41	-	20	0,5	54004	009059	-
54/42H	42	-	20	0,5	54004	009059	-
54/43H	43	-	20	0,5	54004	009059	-
54/44H	44	-	20	0,5	54004	009059	-
54/45H	45	-	20	0,6	54004	009059	-
54/46H	46	-	20	0,6	54004	009059	-
54/47H	47	36	20	0,6	54004	009059	-
54/48H	48	-	20	0,6	54004	009059	-
54/49H	49	-	20	0,7	54004	009059	-
54/50H	50	-	20	0,7	54004	009059	-
54/51H	51	-	20	0,8	54004	009059	-
54/52H	52	-	20	0,8	54004	009059	-
54/55H	55	42	20	1,2	54004	009059	-
54/60H	60	48	20	1,3	54004	009059	-
54/62H	62	-	20	1,3	54004	009059	-
54/63H	63	-	20	1,3	54004	009059	-
54/65H	65	-	20	1,8	54004	009059	-
54/70H	70	-	20	1,8	54004	009059	-
54/72H	72	-	20	1,8	54004	009059	-
54/75H	75	-	20	2,2	54004	009059	-
54/80H	80	-	20	2,2	54004	009059	-
54/85H	85	-	20	2,9	54004	009059	-
54/90H	90	-	20	3,0	54004	009059	-
54/95H	95	-	20	3,5	54004	009059	-
54/100H	100	-	20	3,5	54004	009059	-
54/102H	102	-	20	3,6	54004	009059	-
54/105H	105	-	20	3,7	54004	009059	-
54/110H	110	-	20	4,0	54004	009059	-
54/115H	115	-	20	4,3	54004	009059	-



CIRCULAR HYDRAULIC KNOCK OUT PUNCH SERIE 56H INOX

56H



These punches consist of 2 parts: Complete punche with punch and die and hydraulic part including cylinder, pump, hose and all necessary screws and adapters.



Reinforced series for cutting up to 3 mm in steel sheets and 2 mm in stainless steel sheets.

Bullet points

- Hydraulic system increases working speed.
- Longer blade life.



Ref.	PG	Screw ø	Ø	Sapre parts			
				PG	Washer	Screw	Adaptor
56/16H	-	8	16	-	009054	009053	009055
56/18H	11	12	18	11	009056	009058	009057
56/21H	-	12	21	-	009056	009058	009057
56/22H	13	12	22	16	009056	009058	009057
56/25H	-	12	25	-	009056	009058	009057
56/28H	21	12	28	21	009056	009058	009057
56/30H	-	12	30	-	009056	009058	009057
56/32H	-	12	32	-	009056	009058	009057
56/35H	-	12	35	-	009056	009058	009057
56/37H	29	12	37	29	009056	009058	009057
56/40H	-	20	40	-	54004	009059	-
56/45H	-	20	45	-	54004	009059	-
56/47H	36	20	47	36	54004	009059	-
56/50H	-	20	50	-	54004	009059	-
56/55H	42	20	55	42	54004	009059	-
56/60H	48	20	60	48	54004	009059	-
56/63H	-	20	63	-	54004	009059	-

SQUARE KNOCK OUT PUNCH

54C



54C20 / 54C22 / 54C25

Mechanical square hole punch for metal sheet cutting. They can cut up to 2 mm in steel sheets and 1,5* mm in stainless steel sheets.




*This is a general recommendation, there is a great variety of steels and stainless steels. It is advisable to oil the metal sheet before cutting (e.g. use protoolube).



54C30 / 54C35



54C46 / 54C67 / 54C92

Ref.	Square	Screw	Type	
54C20	20x20	M12	With washer	0,4
54C22	22x22	M12	With washer	0,4
54C25	25x25	M12	With washer	0,4
54C30	30x30	M17	With washer	0,9
54C35	35x35	M17	With washer	1,3
54C46	46x46	M-20	With bearing	2,2
54C67	67x67	M-20	With bearing	3,3
54C92	92x92	M-20	With bearing	5,5

RECTANGULAR KNOCK OUT PUNCH


54R



Rectangular mechanical punch for sheet metal cutting. Square punches can cut up to 2 mm in steel sheets and 1.5* mm in stainless steel sheets.



*This is a general recommendation, there is a great variety of steels and stainless steels. It is advisable to oil the sheet metal before cutting (e.g. use protoolube).

Ref.	Rectangle	Screw	Type	
54R2517	25x17	M-8	With washer	0,4
54R3022	30x22	M-10	With washer	0,5
54R4070	40x70	M-20	With bearing	2,8
54RE2870	28x70	M-20	With bearing	2,0
54RE3252	32x52	M-20	With washer	1,5
54RE4290	42x90	M-20	With bearing	3,1
54RE5280	52x80	M-20	With bearing	2,8
54R35113	35x113	M-20	With bearing	0,0

SQUARE HYDRAULIC KNOCK OUT PUNCH

54CH



Hydraulic square hole punch for sheet metal cutting. Square punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.




These punches consist of two parts, the complete punches with the specific spindle for the hydraulic equipment and the hydraulic power pack including cylinder, pump and hose.

Bullet points

- Hydraulic mechanism increases working speed.
- Longer blade life.



Ref.	Square	Screw	
54C46H	46x46	M20x2,5	1,9
54C67HN	67x67	M20x2,5	2,8
54C92H	92x92	M20x2,5	5,1

*Improved screw design

RECTANGULAR HYDRAULIC KNOCK OUT PUNCH

54RH



Hydraulic rectangular punch for sheet metal cutting. Square punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel punches.




These punches are composed of two parts, the complete punches with the specific spindle for the hydraulic equipment and the hydraulic power pack including cylinder, pump and hose.

Bullet points

- Hydraulic mechanism increases working speed.
- Longer blade life.



Ref.	Rectangle	Screw	
54RE2870H	28x70	M20x2,5	1,9
54R4070H	40x70	M20x2,5	2,4
54RE4290H	42x90	M20x2,5	2,6
54R5280H	52x90	M20x2,5	2,6
54RE3252H	32x52	M20x2,5	1,4
54R35113H	35x113	M20x2,5	0,0

MECHANICAL KNOCK OUT PUNCHES SET

54J



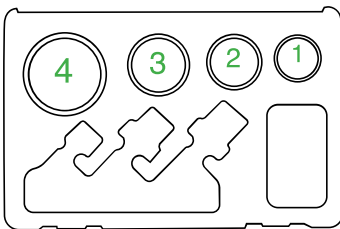
Set of 4 mechanical punches series 54 with anti-scratch washer
Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.

*This is a general recommendation, there is a wide variety of steels and stainless steels. It is advisable to oil the sheet metal before cutting (e.g. use protoolube). In case of doubt, it is recommended to use the 56 series.




Bullet points

- The screws of the 54 series punches are of very high strength 140Kg/mm2.
- Better performance and longer life due to ground cutting edge.



Capacity 4 knock out punches plastic box.

Possibility of customized sets.

Ref.	Included measures		Punches
54J41	18-20-22-37	1,0	54/18 - 54/20 - 54/22 - 54/37
54J42	16-20-25-32	1,0	54/16 - 54/20 - 54/25 - 54/35
54J43	18-22-25-32	0,9	54/18 - 54/22 - 54/25 - 54/32
54J44	16-20-25-32	0,9	54/16 - 54/20 - 54/25 - 54/32
54J45	14-18-20-32	0,8	54/14 - 54/18 - 54/20 - 54/32
54J46	15-20-22-28	0,8	54/15 - 54/20 - 54/22 - 54/28
54J48	16-19-25-32	1,0	54/16 - 54/19 - 54/25 - 54/32
54J49	12.7-19-25-32	1,0	54/13 - 54/19 - 54/25 - 54/32

Ref.	1	2	3	4
Ø punches	54/13 to 54/19	54/17 to 54/22	54/20 to 54/27	54/28 to 54/39

MECHANICAL KNOCK OUT PUNCHES SET 55

54JR



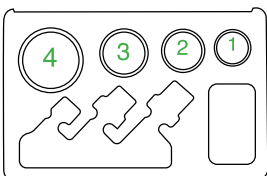
Set of 4 mechanical punches series 55 with bearing.
Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.

*This is a general recommendation, there is a great variety of steels and stainless steels. It is advisable to oil the sheet metal before cutting (e.g. use protoolube). In case of doubt, it is recommended to use the 56 series.



Bullet points


- The screws of the 56 series punches are of very high strength 140Kg/mm2.
- They include a bearing which increases the performance of the drill by 200%, therefore, half the force is required.
- Better performance and longer life due to ground cutting edge.



Capacity 4 knock out punches plastic box.

Same options as 54J.

Possibility of customized sets

Ref.	Included measures		Punches
54JR41	18-20-22-37	1,1	55/18 - 55/20 - 55/22 - 55/37
54JR42	16-20-25-35	1,1	55/16 - 55/20 - 55/25 - 55/35
54JR43	16-22-25-32	1,0	55/16 - 55/22 - 55/25 - 55/32
54JR44	16-20-25-32	1,0	55/16 - 55/20 - 55/25 - 55/32

CIRCULAR KNOCK OUT PUNCHES SET

54A0



54 series mechanical punches sets with anti-scratch washer. Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless sheets.



*This is a general recommendation, there is a wide variety of steels and stainless. It is advisable to oil the sheet metal well before cutting (e.g. use protoolube). In case of doubt, it is recommended to use the 56 series.

Bullet points

- The screws of the 54 series punches are of very high strength 140Kg/mm².
- Better performance and longer life due to ground cutting edge.

Ref.	Included measures	Oil	⚖️	Punches
54E1	16-20-25-32-40	1 Bottle	2,1	54/16 - 54/20 - 54/25 - 54/32 - 54/40
54E3	16-20-25-32-40-50-63	-	4,2	54/16 - 54/20 - 54/25 - 54/32 - 54/40 - 54/50 - 54/63
54A	15-18-20-22-28-37-47	1 Bottle	2,6	54/15 - 54/18 - 54/20 - 54/22 - 54/28 - 54/37 - 54/47
54F1	16-19-22-29-38-44	1 Bottle	2,5	54/16 - 54/19 - 54/22 - 54/29 - 54/38 - 54/44
54F3	16-19-22-29-38-44-55-60	-	5,1	54/16 - 54/19 - 54/22 - 54/29 - 54/38 - 54/44 - 54/55 - 54/60
54G00	15-18-20-22-28-37-47-55-60	-	5,2	54/15 - 54/18 - 54/20 - 54/22 - 54/28 - 54/37 - 54/47 - 54/55 - 54/60
54M1	16-18-20-22-25-35-40	1 Bottle	2,3	54/16 - 54/18 - 54/20 - 54/22 - 54/25 - 54/35 - 54/40
54M3	16-18-20-22-25-35-40-55-60	-	5,0	54/16 - 54/18 - 54/20 - 54/22 - 54/25 - 54/35 - 54/40 - 54/55 - 54/60

HYDRAULIC KNOCK OUT PUNCH SET

54HJ



Hydraulic punches sets series 54. "Case for rigid pipe standards". Can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.



Ref.	Included measures	Oil	⚖️	Punches
54AH	18-20-22-28-37-47	1 Bottle	2,2	54/18H - 54/20H - 54/22H - 54/28H 54/37H - 54/47H
54E1H	16-20-25-32-40	1 Bottle	1,8	54/16H - 54/20H - 54/25H 54/32H - 54/40H
54E3H	16-20-25-32-40-50-63		3,4	54/16H - 54/20H - 54/25H - 54/32H 54/40H - 54/50H - 54/63H
54F1H	19-22-29-38-44	1 Bottle	2,1	54/19H - 54/22H - 54/29H 54/38H - 54/44H
54F3H	19-22-29-38-44-55-60		4,3	54/19H - 54/22H - 54/29H - 54/38H 54/44H - 54/55H - 54/60H
54G00H	18-20-22-28-37-47-55-60		4,5	54/18H - 54/20H - 54/22H - 54/28H 54/37H - 54/47H - 54/55H - 54/60H
54M1H	18-20-22-25-35-40	1 Bottle	2,0	54/18H - 54/20H - 54/22H 54/25H - 54/35H - 54/40H
54M3H	18-20-22-25-35-40-55-60		4,2	54/18H - 54/20H - 54/22H - 54/25H 54/35H - 54/40H - 54/60H

KNOCK OUT PUNCHES WITHOUT GRINDING SET

54VK



54VAL series punches sets without grinding with anti-scratch washer. Standard punches can cut up to 2 mm in steel sheets and 1.5 mm in stainless steel sheets.



*This recommendation is general, there is a great variety of steels and stainless steels. It is advisable to oil the sheet metal well before cutting (e.g. use protoolube). In case of doubt, it is recommended to use series 56.

Ref.	Included measures		Punches
54VK43	18-22-25-32	0,9	54VAL18 - 54VAL22 54VAL25 - 54VAL32
54VK46	15-20-22-28	0,8	54VAL15 - 54VAL20 54VAL22 - 54VAL28
54VK48	5/8" - 3/4" - 1" - 1 1/4"	0,8	54VAL16 - 54VAL19 54VAL25 - 54VAL32
54VK49	1/2" - 3/4" - 1" - 1 1/4"	0,9	54VAL13 - 54VAL19 54VAL25 - 54VAL32
54VK52	1/2" - 3/4" - 1" - 1 1/2"	1,1	54VAL13 - 54VAL19 54VAL25 - 54VAL38

METAL KNOCK OUT PUNCHES STORAGE DISPLAY SET

5499A



54 series punches display stand. The content of the display can be customized adapting it to the customer's needs.



Bullet points

- The screws of the 54 series punches are of very high strength 140Kg/mm2.
- Better performance and longer life due to ground cutting edge.

Ref.	
5499A	33,0

CIRCULAR KNOCK OUT PUNCHES EXHIBITOR

PX54



54 series punches display with anti-scratch washer.

Bullet points

- The screws of the 54 series punches are of very high strength 140Kg/mm2.
- Better performance and longer life due to ground cutting edge.



included a 54/17 punch as a gift image.

Ref.	Included measures	
PX54	20-22-25-28-30-32-35 (2 units of each measure)	7,0

HOLLOW PUNCHES SET FROM 2 TO 20MM

86320M



Tools designed for punching holes in the following materials: plastic, leather, rubber, fibre, fabric, special paper for gasketing, cardboard, lead, thin aluminium foil...

Stepped handle for double punch.



Composition:

Ø 3-4-6-8-10 mm.

Ø 12-14-16-18-20 mm.

Interchangeable punches.

Bullet points

- Allows two cutters to be mounted at the same time for the production of washers and special seals.

Ref.	Holes from	Holes to		Spare part
				Handle
86320M	3mm	20mm	0,6	86320MAN

HOLLOW PUNCHES SET FROM 3 TO 30MM

86330M



Tools designed for punching holes in the following materials: plastic, leather, rubber, fibre, fabric, special gasket paper, cardboard, lead, thin aluminium foil...

Stepped handle for double hole punch



Composition:

Ø 3-4-6-8-10 mm

Ø 12-14-16-18-20 mm.


Ø 22-24-26-28-30 mm.

Double punch.

Impact head treated according to international standards.

Bullet points

- Allows two cutters to be mounted at the same time for the production of washers and special seals.
- With anti-rebound handle.

Ref.	Holes from	Holes to		Spare part
				Handle
86330M	3mm	30mm	1,1	86330MAN



WATCH
VIDEO

HOLLOW PUNCHES SET FROM 2 TO 30MM + COMPASS 330MM

86330MC



Tools designed for punching holes in the following materials: plastic, leather, rubber, fibre, fabric, special jointing paper, cardboard, lead, thin aluminium foil...

Stepped handle for double punch.

Composition:

- Ø 3-4-6-8-10 mm
- Ø 12-14-16-18-20 mm
- Ø 22-24-26-28-30 mm

Retractable centring tip.

Adjustable compass up to 330 mm with blade.
Impact head treated to international standards.

Bullet points

- Allows two cutters to be mounted at the same time for the production of washers and special seals.
- With anti-rebound handle.



Ref.	Holes from	Holes to	Scales	Spare part
				Handle
86330MC	3mm	330mm	1,3	86330MAN

HOLLOW PUNCHES FROM 2 TO 50MM + RETRACTABLE CENTERING TIP

86250M



Tools designed for punching holes in the following materials: plastic, leather, rubber, fibre, fabric, special gasket paper, cardboard, lead, thin aluminium foil...

Stepped handle for double hole punch.

Composition:

- Ø 2-3-4-5-6-7-8-9-10 mm
- Ø 12-14-16-18-20 mm
- Ø 22-24-26-28-30 mm
- Ø 32-34-36-38-40 mm
- Ø 42-44-46-48-48-50 mm

Retractable centring tip.

Impact head treated according to international standards.

Bullet points

- Allows two cutters to be mounted at the same time for the production of washers and special seals.
- With anti-rebound handle.



Ref.	Holes from	Holes to	Scales	Spare part
				Handle
86250M	2mm	50mm	2,6	86250MAN

ADAPTADER FOR HANDLE 8625MAN

86250MAP




Spare adapter for hollow punch set Ref. 86250M.

Ref.	Hollow punches	Scales
86250MAP	From 12 to 50mm	0,1

HOLLOW PUNCH HANDLE 86250M

Replacement handle for punch Ref. 86250M.




Ref.	Diameters	
86250MAN	2 to 50	0,5

HOLLOW PUNCH HANDLE 86320M

Replacement handle for punch Ref. 86250M




Ref.	Diameters	
86320MAN	3 to 20	0,6

HOLLOW PUNCH HANDLE 86330M


Replacement handle for punch Ref. 86330M and Ref. 86330MC.



Ref.	Diameters	
86330MAN	3 to 30	0,6

INTERCHANGE HOLLOW PUNCHES



Ref.	Ø	
86006	6	0,1
86008	8	0,1
86010	10	0,1
86012	12	0,1
86014	14	0,1
86016	16	0,1
86018	18	0,1
86020	20	0,1
86022	22	0,1
86024	24	0,1
86026	26	0,1
86028	28	0,1
86030	30	0,1
86032	32	0,1
86034	34	0,1
86036	36	0,1
86038	38	0,1
86040	40	0,1
86042	42	0,1
86044	44	0,1
86046	46	0,1
86048	48	0,1
86050	50	0,1
86052	52	0,1
86054	54	0,1

LENOX

Official distributors of the LENOX brand, of North American origin. Quality and performance in their tools, which make your work easier.

LENOX TOOLS



Bi-metal hole saws166-167



Carbide tipped hole saws168-169



Diamond hole saws 70



Hole saws kits..... 29



Hole saws arbors.....29



Cutoff wheels31



Saw blades 33-36



Hack saw frames and blades37-39



Jigsaw blades..... 40-41



Pipe cutters 42





Varibits 43



Neumatic saw blades 43



Cutting oil Forza 43

EXHIBITORS



Big exhibitor 44



Small exhibitor 45













BI-METAL HOLE SAWS CUTS SELECTION GUIDE

IMPROVED METAL CUTTING PERFORMANCE
Optimized tooth design penetrates metal with ease.

FAST, EFFICIENT CUTTING IN WOOD
Larger, sharper teeth remove more wood for fast cutting.

WOOD	NAILEMBEDDED WOOD	NONFERROUS METAL	PLÁSTIC & COMPOSITES	METAL	STAINLESS STEEL	DRYWALL PLASTER	CEMENT BOARD
							
BI-METAL							

SPEED SLOT staircase design for fast, easy plug ejection.

Advanced tooth design increases cutting life.



10% Thicker Wall adds strength and durability.



If during the cutting process you notice any “wobbling”, reduce the RPM. In metals it is advisable to use Protool LUBE cutting oil or cutting oil, it increases the life of the crowns.

BI-METAL HOLE SAWS

3000



Hole saws designed for drilling wood and metal.
Cutting depth 47mm.



Bullet points

- Staggered side groove design for fast and easy chip ejection.
- Larger and sharper teeth evacuate more chips for faster cutting.
- Side tab allows the insertion of a screwdriver.











Ref.	Ø	Inches	High-speed steel	Variable tooth	Standard arbor	RPM SWEET STEEL	RPM STAINLESS STEEL	RPM IRON	RPM BRASS	RPM ALUM	⚖
30009	14	9/16"	M-42	4/6	1L, 4L, 5L	580	300	400	790	900	0,1
30010	16	5/8"	M-42	4/6	1L, 4L, 5L	550	275	365	730	825	0,1
30011	17	11/16"	M-42	4/6	1L, 4L, 5L	500	250	330	665	750	0,1
30012	19	3/4"	M-42	4/6	1L, 4L, 5L	460	230	300	600	690	0,1
30098	20	-	M-42	4/6	1L, 4L, 5L	425	210	280	560	630	0,1
30013	21	13/16"	M-42	4/6	1L, 4L, 5L	425	210	280	560	630	0,1
30014	22	7/8"	M-42	4/6	1L, 4L, 5L	390	195	260	520	585	0,1
30015	24	15/16"	M-42	4/6	1L, 4L, 5L	370	185	245	495	555	0,1
30016	25	1"	M-42	4/6	1L, 4L, 5L	350	175	235	470	525	0,1
30017	27	1 - 1/16"	M-42	4/6	1L, 4L, 5L	325	160	215	435	480	0,1
30018	29	1 - 1/8"	M-42	4/6	1L, 4L, 5L	300	150	200	400	450	0,1
30019	30	1 - 3/16"	M-42	4/6	1L, 4L, 5L	285	145	190	380	425	0,1
30020	32	1 - 1/4"	M-42	4/6	2L, 3L, 6L	275	140	180	360	410	0,1
30021	33	1 - 5/16"	M-42	4/6	2L, 3L, 6L	260	135	175	345	390	0,1
30022	35	1 - 3/8"	M-42	4/6	2L, 3L, 6L	250	125	165	330	375	0,1
30023	37	1 - 7/16"	M-42	4/6	2L, 3L, 6L	240	120	160	315	360	0,1
30024	38	1 - 1/2"	M-42	4/6	2L, 3L, 6L, 7L	230	115	150	300	345	0,1
30025	40	1 - 9/16"	M-42	4/6	2L, 3L, 6L, 7L	220	110	145	290	330	0,1
30026	41	1 - 5/8"	M-42	4/6	2L, 3L, 6L, 7L	210	105	140	280	315	0,1
30027	43	1 - 11/16"	M-42	4/6	2L, 3L, 6L, 7L	205	100	135	270	305	0,1
30028	44	1 - 3/4"	M-42	4/6	2L, 3L, 6L, 7L	195	95	130	250	295	0,1
30029	46	1 - 13/16"	M-42	4/6	2L, 3L, 6L, 7L	190	95	125	250	285	0,1
30030	48	1 - 7/8"	M-42	4/6	2L, 3L, 6L, 7L	180	90	120	240	270	0,1
30032	51	2"	M-42	4/6	2L, 3L, 6L, 7L	170	85	115	230	255	0,1
30033	52	2 - 1/16"	M-42	4/6	2L, 3L, 6L, 7L	165	80	110	220	245	0,1
30034	54	2 - 1/8"	M-42	4/6	2L, 3L, 6L, 7L	160	80	105	210	240	0,2
1816241	56	-	M-42	4/6	2L, 3L, 6L, 7L	285	145	190	190	425	0,2
30036	57	2 - 1/4"	M-42	4/6	2L, 3L, 6L, 7L	285	145	190	380	425	0,2
30038	60	2 - 3/8"	M-42	4/6	2L, 3L, 6L, 7L	150	75	100	200	225	0,2
1816242	62	-	M-42	4/6	2L, 3L, 6L, 7L	140	70	95	190	220	0,2
30040	64	2 - 1/2"	M-42	4/6	2L, 3L, 6L, 7L	135	65	90	180	205	0,2
30041	65	2 - 9/16"	M-42	4/6	2L, 3L, 6L, 7L	135	65	90	180	205	0,2
30042	67	2 - 5/8"	M-42	4/6	2L, 3L, 6L, 7L	130	65	85	175	200	0,2
30043	68	2 - 11/16"	M-42	4/6	2L, 3L, 6L, 7L	130	65	85	170	195	0,2
30044	70	2 - 3/4"	M-42	4/6	2L, 3L, 6L, 7L	125	60	80	160	185	0,2
30046	73	2 - 7/8"	M-42	4/6	2L, 3L, 6L, 7L	125	60	80	160	185	0,3
30048	76	3	M-42	4/6	2L, 3L, 6L, 7L	120	60	80	160	180	0,3
30050	79	3 1/8	M-42	4/6	2L, 3L, 6L, 7L	115	55	75	150	170	0,3
30052	83	3 - 1/4"	M-42	4/6	2L, 3L, 6L, 7L	110	55	70	140	165	0,3
30054	86	3 - 3/8"	M-42	4/6	2L, 3L, 6L, 7L	105	50	70	140	155	0,3
30056	89	3 - 1/2"	M-42	4/6	2L, 3L, 6L, 7L	100	50	65	130	150	0,4
30058	92	3 - 5/8"	M-42	4/6	2L, 3L, 6L, 7L	95	45	65	130	145	0,4
30060	95	3 - 3/4"	M-42	4/6	2L, 3L, 6L, 7L	95	45	60	120	140	0,4
30062	98	3 - 7/8"	M-42	4/6	2L, 3L, 6L, 7L	90	45	60	120	135	0,4
30064	102	4	M-42	4/6	2L, 3L, 6L, 7L	85	40	55	110	130	0,4
30066	105	4 - 1/8"	M-42	4/6	2L, 3L, 6L, 7L	85	40	55	110	130	0,5
30068	108	4 - 1/4"	M-42	4/6	2L, 3L, 6L, 7L	80	40	55	110	120	0,5
30070	111	4 - 3/8"	M-42	4/6	2L, 3L, 6L, 7L	80	40	55	110	120	0,5
30072	114	4 - 1/2"	M-42	4/6	2L, 3L, 6L, 7L	75	35	50	100	105	0,5
30074	118	4 - 5/8"	M-42	4/6	2L, 3L, 6L, 7L	75	35	50	100	105	0,6
30076	121	4 - 3/4"	M-42	4/6	2L, 3L, 6L, 7L	75	35	50	100	105	0,6
30080	127	5	M-42	4/6	2L, 3L, 6L, 7L	70	35	45	90	95	0,7
1816243	133	5 - 1/4"	M-42	4/6	2L, 3L, 6L, 7L	70	35	45	90	95	0,7
30088	140	5 - 1/2"	M-42	4/6	2L, 3L, 6L, 7L	105	50	70	140	155	0,8
30096	152	6"	M-42	4/6	2L, 3L, 6L, 7L	65	30	40	85	90	0,9
3106	168	6 - 5/8"	M-42	4/6	2L, 3L, 6L, 7L	65	30	40	85	90	0,9
3112	177	7"	M-42	4/6	2L, 3L, 6L, 7L	65	30	40	85	90	1,3
3132	210	8 1/4"	M-42	4/6	2L, 3L, 6L, 7L	65	30	40	85	90	1,8

CARBIDE TIPPED HOLE SAWS CUTS SELECTION GUIDE

EXTREMELY VERSATILE

Aggressive tooth design drills through wood, steel, stainless, cast iron, fiber cement & plaster

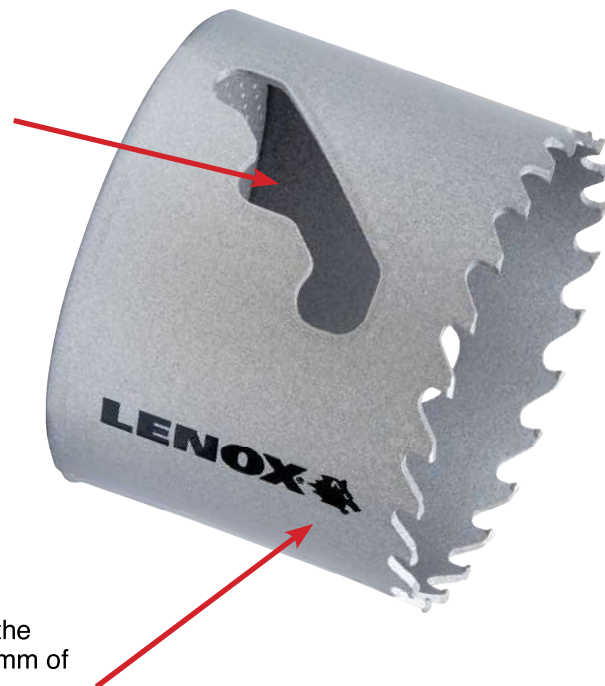
They are supplied in blisters.

WOOD	NAILEMBEDDED WOOD	NONFERROUS METAL	PLÁSTIC & COMPOSITES	METAL	STAINLESS STEEL	DRYWALL PLASTER	TILE
							
CARBURO							

Patented SPEED SLOT®

Staircase design has multiple leverage points for easy plug ejection.

The tab on the side allows you to insert a screwdriver.



Greater depth of cut. Instead of the conventional 38 mm, almost 50 mm of cutting height.

It is essential to use a pilot drill with a carbide tip.



CARBIDE TIPPED HOLE SAWS

LXAH

DISEÑO MEJORADO



Multi-material carbide tipped hole saws.

High performance carbide plates are welded to the cutting edge for longer durability.


50mm depth of cut.

Applications: concrete blocks, tiles, fibre cement, bricks, non-ferrous materials, stainless steel, cast iron and even wood with nails.



Bullet points

- Staggered side groove design for fast and easy chip ejection.
- Larger and sharper teeth evacuate more swarf for faster cutting.
- Side tab allows insertion of a screwdriver.

Ref.	Ø	Diameter inches	Standard arbor	RPM ALUM	RPM STAINLESS STEEL	RPM FIBERGLASS	RPM CERAMIC	RPM STEEL	
LXAH31116	17	11/16"	1L ,4L, 5L	1800	690	270	550	240	0,1
LXAH334	19	3/4"	1L ,4L, 5L	1700	640	250	500	210	0,1
LXAH378	22	7/8"	1L ,4L, 5L	1500	550	210	430	180	0,1
LXAH31	25	1"	1L ,4L, 5L	1300	480	190	370	150	0,1
LXAH3118	29	1 1/8"	1L ,4L, 5L	1100	420	170	330	140	0,1
LXAH3114	32	1 1/4"	2L, 3L 6L	1000	380	160	300	130	0,1
LXAH3138	35	1 3/8"	2L, 3L 6L	900	350	140	270	110	0,1
LXAH3112	38	1 1/2"	2L, 3L, 6L, 7L	900	320	120	250	100	0,1
LXAH3158	41	1 5/8"	2L, 3L, 6L, 7L	700	290	110	230	90	0,1
LXAH3134	44	1 3/4"	2L, 3L, 6L, 7L	700	270	110	210	90	0,1
LXAH32	51	2"	2L, 3L, 6L, 7L	600	240	90	190	80	0,1
LXAH3218	54	2 1/8"	2L, 3L, 6L, 7L	600	220	90	180	70	0,1
LXAH3214	57	2 1/4"	2L, 3L, 6L, 7L	600	210	80	170	70	0,2
LXAH3238	60	2 3/8"	2L, 3L, 6L, 7L	600	200	80	160	70	0,2
LXAH3212	64	2 1/2"	2L, 3L, 6L, 7L	500	190	70	150	60	0,2
LXAH32916	65	2 9/16"	2L, 3L, 6L, 7L	500	190	70	140	60	0,2
LXAH3258	67	2 5/8"	2L, 3L, 6L, 7L	500	180	70	130	60	0,2
LXAH321116	68	2 11/16"	2L, 3L, 6L, 7L	500	180	60	120	60	0,2
LXAH3	76	3"	2L, 3L, 6L, 7L	400	160	60	120	50	0,3
LXAH3314	83	3 1/4"	2L, 3L, 6L, 7L	400	150	60	110	50	0,3
LXAH3338	86	3 3/8"	2L, 3L, 6L, 7L	400	140	60	110	50	0,3
LXAH3312	89	3 1/2"	2L, 3L, 6L, 7L	400	140	50	110	50	0,3
LXAH3358	92	3 5/8"	2L, 3L, 6L, 7L	400	130	50	100	40	0,4
LXAH3334	95	3 3/4"	2L, 3L, 6L, 7L	300	130	50	110	40	0,4
LXAH34	102	4"	2L, 3L, 6L, 7L	300	120	50	100	40	0,4
LXAH3418	105	4 1/8"	2L, 3L, 6L, 7L	300	120	50	90	40	0,5
LXAH3414	108	4 1/4"	2L, 3L, 6L, 7L	300	110	50	90	40	0,5
LXAH3412	114	4 1/2"	2L, 3L, 6L, 7L	300	110	40	80	30	0,5
LXAH3434	121	4 3/4"	2L, 3L, 6L, 7L	300	100	40	80	30	0,6
LXAH35	127	5"	2L, 3L, 6L, 7L	200	100	40	80	30	0,7
LXAH3512	140	5 1/2"	2L, 3L, 6L, 7L	200	100	40	70	30	0,8



Indispensable to use pilot nozzle with carbide tip. The box is marked: **CARBIDE TIPPED**.

DIAMOND HOLE SAWS

1050

**MORE HOLES
LESS TIME**

Hole saws with brazed diamond cutting edge. It drills in less time than any other type of cutters. Applications: tiles, granite, porcelain, cast iron and in general, materials with high MOHS hardness. It is very important to check the instruction manual before use.



Bullet points

- The side holes facilitate the removal of scraps and shavings.



Use the standard spindle, SNAP-BACK for optimum results.

Ref.	ø	Standard arbor	RPM min	RPM Max	⚖
10507826	25	1L, 4L, 5L	800	1200	0,1
10507827	29	1L, 4L, 5L	500	900	0,1
10507828	32	2L, 3L, 6L, 7L	500	900	0,1
10507829	35	2L, 3L, 6L, 7L	500	900	0,1
10507830	38	2L, 3L, 6L, 7L	500	900	0,2
10507831	44	2L, 3L, 6L, 7L	500	900	0,1
10507833	51	2L, 3L, 6L, 7L	400	800	0,2
10507834	54	2L, 3L, 6L, 7L	400	800	0,2
10507835	57	2L, 3L, 6L, 7L	400	800	0,2
10507836	60	2L, 3L, 6L, 7L	200	600	0,2
10507837	64	2L, 3L, 6L, 7L	200	600	0,2
10507838	68	2L, 3L, 6L, 7L	200	600	0,2
10507839	76	2L, 3L, 6L, 7L	200	600	0,3
10507840	83	2L, 3L, 6L, 7L	150	500	0,3
10507841	102	2L, 3L, 6L, 7L	150	500	0,4
10507842	114	2L, 3L, 6L, 7L	150	500	0,5

DIAMOND HOLE SAWS CUTS SELECTION GUIDE

LONG DURATION
Durable Robust design for greater durability in tough applications.

FAT, EASY CUTTING
Low torque, little pressure required.

WOOD	NAILEMBEDDED WOOD	NONFERROUS METAL	PLASTIC	METAL	STAINLESS STEEL	DRYWALL PLASTER	CEMENT	BRICK	TILE	PORCELAIN
DIENTES CARBURO							DIAMOND™			
BI-METAL							BI-METAL		CARBIDE TEETH	

Easier plug removal. Over-sized slot in hole saw for easy plug removal



Long Lasting. Continuous, brazed edge lasts longer in tile and stone

HOLE SAW KIT

17684360

The best container for the best content



Convenient storage for professional use. All sets include arbor with pilot drills and a few spare bits.



Bullet points

- Durability: durable and resistant construction against damage caused by falls.

Ref.	Hole saw mm	Arbor	Pilot bit	⚖️
1768436	19-22-29-32-44-68	2L, 5L	-	1,6
1768556	16-19-22-25-29-32-35-38 44-51-68-76	1L, 2L	2 X 4321, 1 X 56PD	2,6
1768559	19-22-25-29-35-38-44-51-57- 68-76-83-92-95-105-121	1L, 2L	2 X 4321, 1 X 56PD	4,7
1768668	16-20-25-32-41-51-64	1L, 2L	-	1,7

HOLE SAW ARBORS

300010

Standard spindles for hole saws.

Bullet points

- Extra durability: hardened carbon steel for extra strength.
- Self-acting: self-centering pilot bit for higher cutting incidence and less oscillation.



Ref.	For hole saws	Hexagon	Stem type	⚖️
30001	from 9L to 19L	13	No regulation	0,1
30002	from 20L to 132L	13	With regulation	0,2
30003	from 20L to 132L	13	Solid	0,2
30004	from 9L to 19L	6	No regulation	0,1
30005	from 9L to 19L	10	No regulation	0,1
30006	from 20L to 132L	10	With regulation	0,2

HOLE SAW ARBORS & ACCESSORIES

30007

Spindle with scrap ejector for hole saws.

Bullet points

- Extra durability: hardened carbon steel for extra strength.
- Self-acting: self-centering pilot bit for higher cutting incidence and less oscillation.



Ref.	For hole saws	Hexagon	Stem type	⚖️
30007	from 20L to 132L	10	With regulation	0,4



QUICK CHANGE ARBORS

1768810

Quick-change spindles for hole saws.

Bullet points

- Extraction and clamping by means of non-threaded pins.
- Prevents the core bit from locking in the spindle.



Ref.	For hole saws	Hexagon	⚖️
1768811	from 20L to 132L	16	0,3
1768812	from 9L to 19L	13	0,2
1768813	from 20L to 132L	6L	0,2

EXTENSION FOR ARBORS

30800

Extensions for drilling far away.
Ideal for use in drill presses.

Bullet points

- Increased durability due to hardened carbon steel.



Ref.	Description	Arbor	⚖️
30843	Extension 250mm	1L-2L-3L	0,3
30847	Extension 300mm	1L-2L-3L	0,4
30848	Extension 450mm	1L-2L-3L	0,5

PILOTS BITS

308

Replacement drill bits for arbor with pilot.
All drill bits are 6.4mm (1/4") diameter.



Ref.	Material	Snap back	Solid hex	⚖️
LXAH9314CTPB	HARD METAL	2L, 5L, 6L	1L, 2L, 3L, 4L, 5L, 6L, 7L	0,1
LXAH9414CTPB	HARD METAL	2L, 5L, 6L	1L, 2L, 3L, 4L, 5L, 6L, 7L	0,1
LXAH99314PB	HSS	2L, 5L, 6L	1L, 2L, 3L, 4L, 5L, 6L, 7L	0,1
30297	HARD METAL	2L, 5L, 6L	1L, 4L	0,1

METALMAX CUT-OFF WHEELS

2030860



New alternative to abrasive cutting discs. Advanced diamond technology offers long life to optimise efficiency and reduce costs while cutting materials.



Bullet points

- The metal core prevents the disc's breaking while working.
- No dust is released when working. Perfect for clean environments.
- No loss of diameter when working



Ref.	Ø	Thickness (mm)	Hole diameter	RPM Max	⚖️
2030863	75	1,3	9,52	20300	0,1
2030864	105	1,3	15,88	15300	0,1
2030865	115	1,3	22,23	13300	0,1
2030866	125	1,3	22,23	12250	0,1
2030867	150	1,3	22,23	10200	0,2
2030868	178	1,5	22,23	8500	0,3
2030869	200	1,5	22,23	7650	0,3
2030870	230	2,1	22,23	6650	0,6
2030941	300	3,3	25,4	5200	1,5
2030942	357	3,3	25,4	4400	1,5
2030943	300	3,8	25,4	6400	1,5
2030944	357	3,8	25,4	5500	2,0

METALMAX CUT-OFF AND POLISHING WHEELS

20444680



It has an additional layer of diamond welded on the top and bottom of the edge that allows not only cutting, but also polishing and deburring.



Bullet points

- The metal core prevents the disc from breaking while working.
- No dust is released when working. Perfect for clean environments.
- No loss of diameter when working.



Ref.	Ø	Thickness (mm)	Hole diameter	RPM Max	⚖️
2044468	115	2	22.23	13300	0,1
2044469	125	2	22.23	12250	0,1

METALMAX CUT-OFF WHEELS EXHIBITOR

DEX



Metalmax cutting disc display. Advanced diamond technology offers long life to help you optimise efficiency and reduce costs when cutting materials.



Bullet points

- The metal core prevents the disc from breaking while working.
- No dust is released when working. Perfect for clean environments.
- No loss of diameter when working.

Ref.	Contains	Contains	Contains	⚖️
96102	10 disks of 115 (2030865)	10 disks of 125 (2030866)	5 disks of 230 (2030870)	0,6



GOLD RECIPROCATING SAW BLADES FOR WOOD

210MA

Curved saw blade for wood.
Curved design for superior performance in all applications.



Bullet points

- T2TM technology and titanium coating increase the life of the blades.
- Titanium coating also increases cutting speed.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	⚖️
21060656GR	150x19	1,3	6	5	0,1
21061156GR	300x19	1,3	6	5	0,3
21062956GR	225x19	1,3	6	5	0,2

GOLD RECIPROCATING SAW BLADES FOR METAL

210

Curved saw blade for metals.
Curved design for a superior performance in all applications.



Bullet points

- T2TM technology and titanium coating increase the life of the blades.
- Titanium coating also increases cutting speed.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	⚖️
21064610GR	150x19	0,9	10	5	0,1
21065810GR	200x19	1,3	10	5	0,2
21066414GR	100x19	0,9	14	5	0,1
21067614GR	150x19	0,9	14	5	0,1
21068418GR	100x19	0,9	18	5	0,1
21069618GR	150x19	0,9	18	5	0,1
21070818GR	200x19	0,9	18	5	0,2
21071424GR	100x19	0,9	24	5	0,1
21072624GR	150x19	0,9	24	5	0,1
21073824GR	200x19	0,9	24	5	0,1

GOLD RECIPROCATING SAW BLADES FOR DEMOLITION

210DE

Curved saw blade for nailing timber, demolition and pallet cutting.
Curved design for superior performance in all applications.



Bullet points

- T2TM technology and titanium coating increase the life of the blades.
- Titanium coating also increases cutting speed.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	⚖️
210886066GR	150x25	1,6	6	5	0,2
21089960GR	225x25	1,6	10	5	0,2
21090966GR	225x25	1,6	6	5	0,2
21091106GR	300x25	1,6	6	5	0,3

GOLD SAW BLADES FOR HEAVY WORK LAZER

210LAZER




Curved saw blade for large cross-section metals and heavy duty applications.

Curved design for superior performance in all applications.

**Bullet points**

- T2TM technology and titanium coating increase the life of the blades.
- Titanium coating also increases cutting speed.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	
210926108GR	150x25	1,1	8	5	0,2
210936110GR	150x25	1,1	10	5	0,2
210946114GR	150x25	0,9	14	5	0,2
210956118GR	150x25	0,9	18	5	0,2
210969108GR	225x25	1,1	8	5	0,3
210979110GR	225x25	1,1	10	5	0,3
210989114GR	225x25	0,9	14	5	0,3
210999118GR	225x25	0,9	18	5	0,3
2110012110GR	300x25	1,1	10	5	0,4
2110112114GR	300x25	1,1	14	5	0,4
21510118R	300 x 19	0,9	18	5	0,1

LAZER SAW BLADES

2017




Saw blade for large cuttings in metals.

Bullet points

- Power blast technology (intense blasting of cutting edges): increases blade life and reduces breakage.
- Wider spine allows for straighter cuts on large diameter materials.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	Maximum cutting thickness	
201706110R	150x25	1,1	10	5	Profiles and rods 5-13mm thickness	0,2
201726114R	150 x 25	0,9	14	5	Profiles and rods 2-10mm	0,2
201746118R	150 x 25	0,9	18	5	Profiles and rods 2-6mm thickness	0,2
201769110R	225 x 25	1,1	10	5	Profiles and rods 5-13mm thickness	0,3
201789114R	225 x 25	0,9	14	5	Profiles and rods 2-10mm	0,3
201809118R	225 x 25	0,9	18	5	Profiles and rods 2-6mm thickness	0,3
2018212110R	300 x 25	1,1	10	5	Profiles and rods 5-13mm thickness	0,4
2018412114R	300 x 25	1,1	14	5	Profiles and rods 2-10mm	0,4
2019012118R	300 x 25	1,1	18	5	Profiles and rods 2-6mm thickness	0,4

WOOD, METAL AND PLASTIC SAW BLADES

2055


Standard bi-metal saw blades for cutting wood, metal and plastic.



Bullet points

- T2TM technology: this type of serrated doubles blade life.
- Its design minimises friction and heat and improves cutting performance.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Application	
1769340B	150x19	0.9	14	Thin metal	0,2
1769341B	200x19	0.9	14	Thin metal	0,2
20552418R	100 x 19	0,9	18	Thick pipes	0,1
20556676RC	150 x 11	1,3	6	Wooden contours	0,1
20562610R	150 x 19	0,9	10	Plastic-aluminum	0,1
20564614R	150 x 19	0,9	14	Thick metal-rubber	0,1
20566618R	150 x 19	0,9	18	Thick pipes	0,1
20568624R	150 x 19	0,9	24	Pipes <18mm	0,1
20570636RP	150 x 19	1,3	6	Plaster	0,1
20572656R	150 x 19	1,3	6	Wood with nails	0,1
20575634R	150 x 19	1,3	4	Wood	0,1
20578818R	200 x 19	0,9	18	Thick pipes	0,2
20580810R	200 x 19	0,9	10	Plastic-aluminum	0,2
20582956R	225 x 19	1,3	6	Wood with nails	0,2
20583110R	300 x 19	1,3	10/14	Plastic-aluminum	0,3
20585156R	300 x 19	1,3	6	Wood with nails	0,3
20577850R	200 x 19	1,3	10/14	Wood with nails	0,1
20592650R	150 x 19	1,3	10/14	Wood with nails	0,2
20554424R	100 x 20	0,9	24	Thin metal	0,1

HARD METAL SAW BLADES


HSM

Saw blade for non-metallic cutting materials. Cuts tough materials that resist chipping, including ceramics, pipes, artificial stone, marble, etc.



Bullet points

- Carbide grain particles provide a fast and smooth cut.

Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	
20576800RG	200 x 19	1	Hard metal	2	0,1



DEMOLITION SAW BLADES **HSD**


Demolition saw blades: designed to cut easily through a wide variety of materials such as structural steel, woods and pipes.



Bullet points

- T2TM technology: this type of serrated doubles the life of the blades.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	
20597960R	225 x 25	1,6	10	2	0,1
20598966R	225 x 25	1,6	6	2	0,1

PALLET CUTTING SAW BLADES **107290**


Saw blades for cutting and restoration of pallets.



Bullet points

- The special treatment increases performance and withstands impacts on nails, which maintains cutting speed.
- Patented tooth design and rounded tip increase blade life and make it easier to get into tight spaces.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	
10729	200x19	0,9	10	0,1
10730	250 x 19	0,9	10	0,1

Selection according to teeth per inch

T							
6 TPI	10 TPI	12 TPI	14 TPI	18 TPI	24 TPI	32 TPI	GRIT
ROUGH ←		CUT QUALITY				→ SMOOTH	
FAST ←		CUT SPEED				→ SLOW	
WOOD 1/16" - 4" (1.6 mm-101.6 mm)							
GENERAL PURPOSE 5/16" - 3-1/2" (7.9 mm-88.9 mm)			MEDIUM METAL 1/16" - 1/4" (1.6 mm-6.4 mm)				
THICK METAL > 3/32" (2.4 mm)				THIN METAL < 1/8" (3.2 mm)			ABRASIVES
EXTRA THIN METAL < 1/16" (1.6 mm)							

Choice of leaf length



TIP Always keep 2-3 teeth in the material at all times

WOOD
PLASTICS & COMPOSITES
METAL



FINISH	CLEAN	ROUGH	N/A
CUT	STRAIGHT	SCROLL	STRAIGHT OR SCROLL
APPLICATION ADDER (IN)	2-1/2	2-5/8	2
APPLICATION ADDER (MM)	64	67	51




VALLCIA HACKSAW

5310



Hacksaw for 300mm blade.
Design preferred by professionals.
Withstands tensions up to 1800Kg/cm2.
Aluminium frame and handle.



Ref.	Blade	Tension	
5310	300mm	1800Kg/cm2	1,2

HIGH TENSION HACKSAW

HT




High tension hacksaw for straight and fast cutting with comfort grip.

Bullet points

- Reinforced handles for comfortable and safe handling even in wet or cold environments.
- Compatible with any LENOX batten blade for use as a pull saw.
- Storage of up to 5 extra 12" / 300 mm blades in the tensioning handle.



Ref.	Lenght	Tension	
HT50	300mm	3500 Kg/cm2	0,9

LIGHT HACKSAW

88300




High tension hacksaw for fast, straight cuts. Quickly tensioned 12 turns.

Bullet points

- 45° blade angle, ideal for flush cuts.
- Comfortable grip, rubber reinforced handle.



Ref.	Tension	Blade length	
88300	1400Kg/cm2	300mm	0,6

TECHNOLOGY HACKSAW BLADES (100 units)

20117



Bi-metal hacksaw blades.

Bullet points

- T2TM technology: this type of serration doubles the life of the blades.
- Breakage resistance: bi-metal construction with 5% cobalt allows blades to bend and flex without breaking and achieves exceptional cutting performance.
- Box of 100 units.



Ref.	Length x Width	Teeth per inch	⚖️
20116218HE	300 x 13	18	0,1
20117224HE	300 x 13	24	0,1
20118232HE	300 x 13	32	0,1

TECHNOLOGY HACKSAW BLADES

20143



Breakage resistance: bi-metal construction with 5% cobalt allows blades to bend and flex without breaking and achieves exceptional cutting performance.
M-42 high speed steel cutting edge.
Tooth hardness HRc 64-66.



Ref.	Length x Width	Teeth per inch	Units	⚖️
20143V214HE	300x13	14	Blister 10	0,2
20144V218HE	300x13	18	Blister 10	0,2
20145V224HE	300x13	24	Blister 10	0,2
20146V232HE	300x13	32	Blister 10	0,2

TRI-FOLD

20997



Tri-fold saw designed to cut different materials.
Compatible with any other standard saw blade.

Bullet points

- Comfortable handle for comfortable grip.
- Push button mechanism allows the blade to be fixed in 3 positions.



Ref.	Blade type	⚖️
20997	2 types: for plasterboard and multi-material	0,3



PVC PLASTIC PIPE HACKSAW 209800




Plastic pipe saw.

Bullet points

- Easy cutting of plastic pipes: unique serrated geometry for pull cutting and not in the other direction for safety reasons.
- Comfortable handle.
- Easy blade attachment on the underside of the handle for flush cutting applications.



Ref.	Blade	Cutting materials	
20980	450	PVC	0,4

SPARE BLADE FOR METAL CUTTING HACKSAW

Replacement blade for hacksaw.

Bullet points

- Easy attachment of the blade to the bottom of the handle for flush cutting applications.



Ref.	Blade	Cutting materials	
20981	450	PVC	0,2

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GENERAL PURPOSE JIG SAW BLADES


1991406

Jig saw blades designed for wood, metal and plastic applications.

Bullet points

- Wide and thick teeth which provide durability while cutting metal and wood with inlaid nails.
- Pronounced serration maintains speed while cutting wood.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	Maximum cutting thickness	
1991366B	133 x 9,5	1,3	10	3	90mm	0,1
1991406B	100 x 9,5	1,3	6	3	45mm	0,1

METAL CUTTING JIG SAW BLADES


19915

Optimised jig saw blades for metal cutting applications.

Bullet points

- Thanks to the T2TM technology fast and efficient cutting in a variety of metal cutting applications is provided.
- Resistant to breakage.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	Maximum cutting thickness	
1991559B	92 x 9,5	0,9	14	3	Sheet>2.4 until 6.4mm	0,1
1991565B	92 x 9,5	0,9	18	3	Sheet>1.6 until 6.4mm	0,1
1991571B	92 x 9,5	0,9	24	3	Until 3.2mm	0,1
1991577B	92 x 9,5	0,9	32	3	Until 1.6mm	0,1
1991580B	133 x 9,5	0,9	14	3	Sheet> 2.5mm Tube>76mm	0,1

DIAMOND JIG SAW BLADE


1991606

Diamond edged jig saw blades.
Designed for granite, marble, porcelain and slate applications
Blister pack of one.

Bullet points

- Diamond particles and alloy steel reinforcement provides high stability.



Ref.	Length x Width	Thickness (mm)	Type	
1991606	89 x 9,8	0,8	Diamond	0,1

CARBIDE JIG SAW BLADE


1991608B

Jigsaw blades designed for ceramic tile, fibreglass and brick applications.

Bullet points

- Steel core prevents breakage.



Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	
1991608B	89 x 9,8	0,8	Carbide	3	0,6

CUTTING BLADES FOR CLEAN CUTS IN WOOD


HML

Jig saw blades designed for clean cuts in softwoods, hardwoods and chipboards.



Bullet points

- Ground teeth - cutting angle provides a clean and an abrasion-resistant finish.
- Narrow profile facilitates cutting in curves.

Ref.	Length x Width	Teeth per inch	Blister units	Application in wood	
1990703B	100 x 8	6	5	Hard 9,5-44,5	0,1
1990848B	100 x 8	6	5	Soft 9,5-4,5	0,2
1990961B	100 x 8	10	3	Hard 4,8-31,8	0,1
1990965B	100 x 8	10	5	Soft 4,8-31,8	0,2

CUTTING BLADES FOR DOWN CUTTING IN WOOD

19913850

Jigsaw blade for downward cuts in softwood, hardwood and chipboard
Inverted cutting teeth.



Bullet points

- Reversed serrated cut in the downward motion leaving the top of the material very clean.
- Grinding teeth for a clean cut.

Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	
1991385	100x8	1,5	10	5	0,1

CUTTING BLADES FOR QUICK CUTS IN WOOD


HMR

Jig sawblades designed for fast and easy cutting of soft wood, hardwood and chipboard.



Bullet points

- Tooth design eliminates chips for faster cutting or grinding.

Ref.	Length x Width	Teeth per inch	Blister units	Application in wood	
1991477B	100 x 6,4	6	5 blades	1,6-20mm	0,2

CUTTING BLADES FOR LAMINATED CUTS


HMLA

Jig saw blades designed for clean cutting of hardwoods and laminates.



Bullet points

- Cut uphill and downhill.
- Clean cut on both sides of the material.

Ref.	Length x Width	Teeth per inch	Blister units	Application in wood	
1991611B	89 x 5,6	20	3 blades	Soft 6-50mm	0,1

PROFESIONAL TUBE CUTTERS

21010C

For copper, aluminium and stainless steel tubes.
 Very easy blade change.
 With 4 rollers that fix the tube offering greater cutting smoothness.
 Durable square metal guides.
 With built-in scraper to deburr the tube.



Ref.	Cut diameter	Cutting materials	⚖️
21011	3 to 35	Copper-Aluminum-Stainless	0,6
21013	6 to 67	Copper-Aluminum-Stainless	0,9

PVC TUBE CUTTER

R

For cutting all types of plastic pipes: PVC, CPVC, PE, PB and flexible pipes.



R1



R2

Bullet points

- Can be used with one hand. Easy to open and close.
- Unique design holds the pipe in place during cutting with its stainless steel blade.

Ref.	Ømax	Cutting material	⚖️
R1	42	PVC-PEX-Poly	0,5
R2	60	PVC-PEX-Poly	1,0



TUBE CUTTERS BLADES

Spare blades for Lenox tube cutters.



Ref.	For pipe cutters	Material	⚖️
10507533	R1	PVC	0,1
10507534	R2	PVC	0,1

VARIBITS

3088

CLEAN AND FLAWLESS ORIFICES



Stepped conical drill bit with 2 cutting edges.
Main applications: aluminium, bodywork, electrical boxes, beams, sheet metal, stainless steel electrical boxes.



Bullet points

- Tapered tip design for faster penetration and less oscillation.
- Vapour oxide coating increases durability.

Ref.	Ø	Steps	Stem type	⚖️
30882	12,5 to 25	9	3 sides	0,1
30883	6 to 19	9	Quick change	0,1
30912	22 to 35	5	3 sides	0,2
30960	4 to 12	9	Quick change	0,1
30961	14 to 24	7	3 flat sides	0,1
30962	6 to 18	7	Quick change	0,1
30963	20 to 34	8	Quick change	0,2
30964	5 to 28,3	10	3 sides	0,1

NEUMATIC SAW BLADES

20427



Break-resistant bi-metal blades for cutting with pneumatic saws.



Bullet points

- High-speed steel teeth provide a strong and long-lasting cutting edge.
- Bi-metal blades are flexible and break-resistant for increasing durability.

Ref.	Length x Width	Thickness (mm)	Teeth per inch	Blister units	⚖️
20427424T	102 x 13	0,64	24	5	0,1
20428432T	102 x 13	0,64	32	5	0,1

CUTTING OIL FORZA

54401



Cutting oil.
Extended tool life. Water-soluble, so it cleans up with water.
Biodegradable and non toxic.



Bullet points


- Reduces cutting time by up to 50%.
- Reduces heat and friction.

Ref.	Capacity	⚖️
54401	0,2 liters	0,2



Complete Lenox display with all kinds of products from our catalogue.



Ref.		Empty display
LX3	40,0	96052


Composition

Ref.	Description	u.	Ref.	Description	u.
20117224HE	224HE blade 300x13 24D	300	30034	34L hole saw 2" 1/8 54 mm	3
1991565B	BT318S jigsaw blade Bosch 75 x 10 18D	24	1816241	35L hole saw 56 mm	3
1991571B	BT324S jigsaw blade Bosch 75 x 10 10D	12	30036	36L hole saw 2" 1/4 57 mm	3
1990965B	BT410S jigsaw blade Bosch 100 x 8 10D	24	30038	38L hole saw 2" 3/8 60 mm	3
1991580B	BT518S jigsaw blade Bosch 135 x 10 18D	24	1816242	39L hole saw 62 mm	2
1991366B	BT686S jigsaw blade Bosch 133 x 9,5 10D	24	30040	40L hole saw 2" 1/2 64 mm	2
88300	Ligth weight hacksaw for blade 300mm	1	30041	41L hole saw 2" 9/16 65 mm	2
HT50	10507542 - High tension hacksaw 300 mm	1	30042	42L hole saw 2" 5/8 67 mm	2
20997	618636 - Trifold 2 blades	1	30043	43L hole saw 68 mm	2
20980	PVC plastic pipe hacksaw + 450 mm blades	1	30044	44L hole saw 2" 3/4 70mm	2
30001	1L arbor	6	30046	46L hole saw 2" 7/8 73 mm	2
30002	2L arbor	6	30048	48L hole saw 3" 76 mm	2
1768812	5L quick change arbor	2	30050	50L hole saw 3" 1/8 79 mm	2
1768813	6L quick change arbor	2	30052	52L hole saw 3" 1/4 83 mm	2
30009	9L hole saw 9/16" 14 mm	4	30054	54L hole saw 3" 3/8 86 mm	2
30010	10L hole saw 5/8" 16 mm	4	30056	56L hole saw 3" 1/2 89 mm	2
30011	11L hole saw 11/16" 18 mm	4	30058	58L hole saw 3" 5/8 92 mm	2
30012	12L hole saw 3/4" 19 mm	4	30060	60L hole saw 3" 3/4 95 mm	2
30098	HS hole saw 20 mm	4	30062	62L hole saw 3" 7/8 98 mm	2
30013	13L hole saw 13/16" 21 mm	4	30064	64L hole saw 4" 102 mm	1
30014	14L hole saw 7/8" 22 mm	4	30066	66L hole saw 4" 1/8 105 mm	1
30015	15L hole saw 15/16" 24 mm	4	30068	68L hole saw 4" 1/4 108 mm	1
30016	16L hole saw 1" 25 mm	4	30070	70L hole saw 4" 3/8 111 mm	1
30017	17L hole saw 1" 1/16 27mm	4	30072	72L hole saw 4" 1/2 114 mm	1
30018	18L hole saw 1" 1/8 29 mm	4	30074	74L hole saw 4" 5/8 118 mm	1
30019	19L hole saw 1" 3/16 30 mm	4	30076	76L hole saw 4" 3/4 121 mm	1
30020	20L hole saw 1" 1/4 32 mm	3	30080	80L hole saw 5" 127 mm	1
30021	21L hole saw 1" 5/16 33 mm	3	1816243	83L hole saw 5 1/4" 133 mm	1
30022	22L hole saw 1" 3/8 35 mm	3	30088	88L hole saw 5" 1/2 140mm	1
30023	23L hole saw 1" 7/16 37mm	3	30096	96L hole saw 6" 152 mm	1
30024	24L hole saw 1" 1/2 38 mm	3	178668	30430 EU700L electrician's hole saw set	1
30025	25L hole saw 1" 9/16 40 mm	3	LXAH9414CTPB	4-1/4" pilot bit 114mm	5
30026	26L hole saw 1" 5/8 41 mm	3	30960	VB1 VARI-BIT 9 steps Ø 4 to 12 mm	1
30027	27L hole saw 1" 11/16 43 mm	3	30961	VB2 VARI-BIT 7 steps to Ø 14 a 24 mm	2
30028	28L hole saw 1" 3/4 45 mm	3	30963	VB1 VARI-BIT 8 steps to Ø 20 a 34 mm	1
30029	29L hole saw 1" 13/16 46 mm	3	R1	10507481 - PVC tubing cutter PVC Ø42	2
30030	30L hole saw 1" 7/8 48 mm	3	54401	Cutting oil FORZA	12
30032	32L hole saw 2" 51 mm	3			
30033	33L hole saw 2" 1/16 52 mm	3			



Small table-top display of hole saws and arbor with pilot drills from our catalogue.



Ref.		Empty display
LX4	470,0	96100

Composition

Ref.	Description	u.
30009	9L hole saw 9/16" 14 mm	2
30010	10L hole saw 5/8" 16 mm	2
30011	11L hole saw 11/16" 17 mm	2
30012	12L hole saw 3/4" 19 mm	2
30098	HS hole saw 20 mm	2
30013	13L hole saw 13/16" 21 mm	2
30014	14L hole saw 7/8" 22 mm	2
30015	15L hole saw 15/16" 24 mm	2
30016	16L hole saw 1" 25 mm	2
30017	17L hole saw 1" 1/16 27 mm	2
30018	18L hole saw 1" 1/8 29 mm	2
30019	19L hole saw 1" 3/16 30 mm	2
30020	20L hole saw 1" 1/4 32 mm	2
30021	21L hole saw 1" 5/16 33 mm	2
30022	22L hole saw 1" 3/8 35 mm	1
30023	23L hole saw 1" 7/16 37 mm	1
30024	24L hole saw 1" 1/2 38 mm	1
30025	25L hole saw 1" 9/16 40 mm	1
30027	27L hole saw 1" 11/16 43 mm	1
30028	28L hole saw 1" 3/4 44 mm	1
30029	29L hole saw 1" 13/16 46 mm	1
30030	30L hole saw 1" 7/8 48 mm	1
30032	32L hole saw 2" 51 mm	1
30034	34L hole saw 2" 1/8 54 mm	1
30038	38L hole saw 2" 3/8 60 mm	1
LAXH9914PB	6.4mm large pilot bit 83mm	5
1768812	5L quick change arbor	5
1768813	6L quick change arbor	5
1768813	6L árbol automático	5