

PUMA SERIES

PORTABLE PUNCHING MACHINES



SANDFELD [®]_{AS}
VÆRKTØJSMASKINER

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GEKA 
The steel working company

PUMA SERIES

The GEKA hydraulic punching machines have been designed by experienced technicians, assisted by powerful CAD CAM equipment and adapted to the ongoing suggestions of over 60,000 users of GEKA shears and punching machines, worldwide.



Technical characteristics valid except for typographical errors or omissions.

Geka group, committed to continuous product improvement, may without notice change technical specifications, equipment and photographs of models, as well as any other information contained herein.

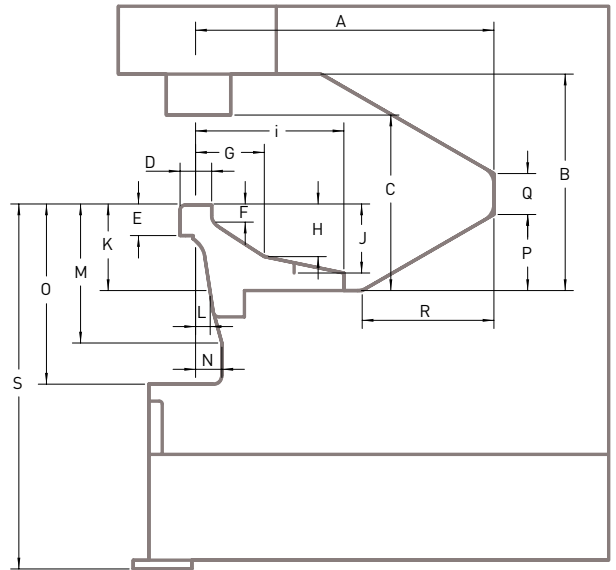
FEATURES

		PUMA-55	PUMA-80	PUMA-110	PUMA-165	PUMA-220
Punching power	kN	550	800	1100	1650	2200
Maximum capacity	mm	Ø40x10	Ø40x14	Ø40x20	Ø40x30	Ø40x40
Throat	mm	500	510	500	510	510
	mm	750	750	750	760	800
PUNCHING OF SECTIONS WITH GOOSENECK DIE HOLDER						
I on the leg	mm	100-300	100-300	100-450	100-450	100-450
I on the web	mm	100-500	100-500	100-500	120-500	120-500
LJ on the leg	mm	100-300	100-300	120-400	120-400	120-400
LJ on the web	mm	120-260	120-380	120-400	120-400	120-400
GENERAL FEATURES						
Motor power	kW	5	9	9	15	20
Strokes per minute based on 20 mm stroke		37	40	28	28	25
Maximum stroke	mm	60	70	80	100	100
Working height	mm	1060/810	1094/1194	991/1066	1060/1060	1013/1013
Net weight	kg	1150/1885	1715/2115	3150/3970	4290/4525	5200/5500
Gross weight	kg	1320/2100	1925/2350	3400/4300	4700/5000	5700/6000
Volume	m ³	3,63/4,17	4,53/5,87	5,55/6,82	7,31/8,95	9,63/10
Dimensions with seaworthy packaging S	m	1,55x1,2x1,95	1,7x1,3x2,05	2,08x1,3x2,05	2,03x1,6x2,25	2,56x1,6x2,35
Dimensions with seaworthy packaging SD	m	1,93x1,2x1,8	2,1x1,3x2,15	2,28x1,3x2,3	2,03x1,6x2,35	2,66x1,6x2,35
OPTIONAL EQUIPMENT						
Pipe notching	mm	60	60	60	60	60
Upsize Punching diameters	mm	Ø100x4	Ø100x6	Ø100x8	Ø100x 12	Ø100x16

• Capacities based on a material resistance of 45 Kg/mm².



- Technically dimensioned bed
- Cylinder with additional guide
- Strong and accurate shaft system to avoid distortions
- Gradual centering of punch
- Quick punch change
- Safety protection
- Ample space for mounting special equipment
- Optimum operation speed
- Large number of optional, standard and special accessories to perform a wide range of jobs
- Range of Puma Models from 55 Tn to 220 Tn with punching throats of between 500mm and 800 mm
- Range of Portable punching machines from 50 Tn with punching throats of 130mm



1



Punching station

Cylinder support

Split double acting cylinder

Limit switches for punch travel setting

Generous travel for bending, deep-drawing, forming jobs etc

Adjustable generous non-turning guiding

Additional guiding for damping of offset forces and protection of hydraulic seals

Spindle for fitting of special tools

Quick punch change

Adjustable material stripper

Table with millimetre scales, included in production package

Adjustable measuring stop up to 500 mm

Gooseneck die-holder for punching channel and section

Adjustable bolster locking device X axis

Adjustable bolster locking device Y axis

Fixing bolt at base of gooseneck

2



Electric cabinet

Manual selector switch / electrical limit switch

"Inching" selector switch

Easily removable door to access hydraulic unit



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		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
PUMA55	S	500	340	270	65	55	33	120,5	81	233,5	1	137	25	231	45	327	102	78	185	1060
	SD	750	340	270	65	55	33	120,5	81	233,5	81	137	25	231	45	327	102	78	185	810
PUMA80	S	510	370	300	65	62	31	123	89	253,5	89	144	25	234	45	304	130	70	234	1094
	SD	750	370	300	65	62	31	123	89	253,5	89	144	25	234	45	304	130	70	278	1194
PUMA110	S	500	420	350	79	79	40	140,5	96	267	96	161	25	326	47	461	95	125	100	991
	SD	750	420	350	79	79	40	140,5	96	267	96	161	25	326	47	461	95	125	100	1066
PUMA165	S	510	450	350	85	79	35	158	104	430	160	200	25	372	45	450	0	240	0	1060
	SD	760	450	380	85	79	35	158	104	430	160	200	25	372	45	450	141	98	245	1060
PUMA220	S	510	450	375	85	79	33	162	100	435	151	198	30	-	30	483	0	330	0	1013
	SD	800	450	375	85	79	33	162	100	435	151	198	30	-	30	483	125	200	216	1013

Measurements in mm.



Puma 55

Punching power	550 kN
Max. capacity Ø	40 x 10 mm
Max. capacity Ø	20 x 20 mm
Max. capacity	28 x 11 mm
Throat	500 / 750 mm



Puma 80

Punching power	800 kN
Max. capacity Ø	40 x 14 mm
Max. capacity Ø	24 x 24 mm
Max. capacity	28 x 16 mm
Throat	510 / 750 mm



Puma 110

Punching power	110 kN
Max. capacity Ø	40 x 20 mm
Max. capacity Ø	28 x 28 mm
Max. capacity ▤	28 x 20 mm
Throat	500 / 750 mm



Puma 165

Punching power	1650 kN
Max. capacity Ø	40 x 30 mm
Max. capacity Ø	34 x 34 mm
Max. capacity ▤	28 x 28 mm
Throat	510 / 760 mm



Puma 220

Punching power	2200 kN
Max. capacity Ø	40 x 40 mm
Max. capacity ▤	28 x 28 mm
Throat	510 / 800 mm



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PORTABLE PUNCHING MACHINES

The PP-50 portable punching machines have a punching power of 500 kN and a throat of 130 mm.

There are two types of this model:

- P Model

With table with T grooves, recommended for use with "die sets" and special tooling.

- G Model

For general punching of sheet metal and steel section.



FEATURES

Punching power		500 kN
Maximum punching capacity		27 x 13 mm
Maximum stroke		30 mm
Throat		130 mm
Motor power		3 kW
Cycles per minute (20 mm. stroke)		23
Net weight	(G)	355 kgs
	(P)	415 kgs
Gross weight	(G)	480 kgs
	(P)	540 kgs
Dimensions with maritime packaging		1,1 x 0,9 x 1,55 m
Volumen		1,53 m3

OPTIONAL EQUIPMENT (P)

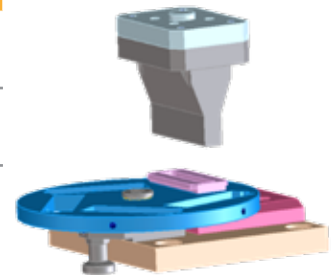
Oversize unit for punching diameters	Ø40 x 8 mm
Marking	

MANUAL MARKING STATION

Marking unit with 5 references.

The selection of the reference is made manually.

Each reference has 6 characteres which the operator can change manually.



GEKA GROUP

Quality Know-how Service



World leader in punching and shearing solutions

With more than 80000 happy and satisfied customers worldwide and more than 90 years experience.



Proven quality, design and craftsmanship

ISO 9001 and OHSAS certifications besides 90 years experience and a continuous benchmarking policy.



Complete after sales service

Permanent stock and next day delivery of consumables, accessories and parts. After sales assistance by GEKA's qualified engineers.



Great versatility

More than 50 different machine models and over 8000 different accessories. GEKA offers the highest range in accessories and optional equipment in the market.



Produced & manufactured in the European Union

Conversely other manufacturers, GEKA is the only ironworker fully produced by Geka in the UE.



Continuous innovation

New Bendicrop 85, C2PL, Alfa 500, Alfa 150, Gamma Traction, Sigma110...



Worldwide distribution network

With more than 60 distributors and present in more than 85 countries in 5 continents.



All GEKA machines are special order

Every new GEKA machine is one of a kind. Our designers develop solutions suited to your specific needs. We manufacture each GEKA in our own facilities according to precisely defined standards.

