

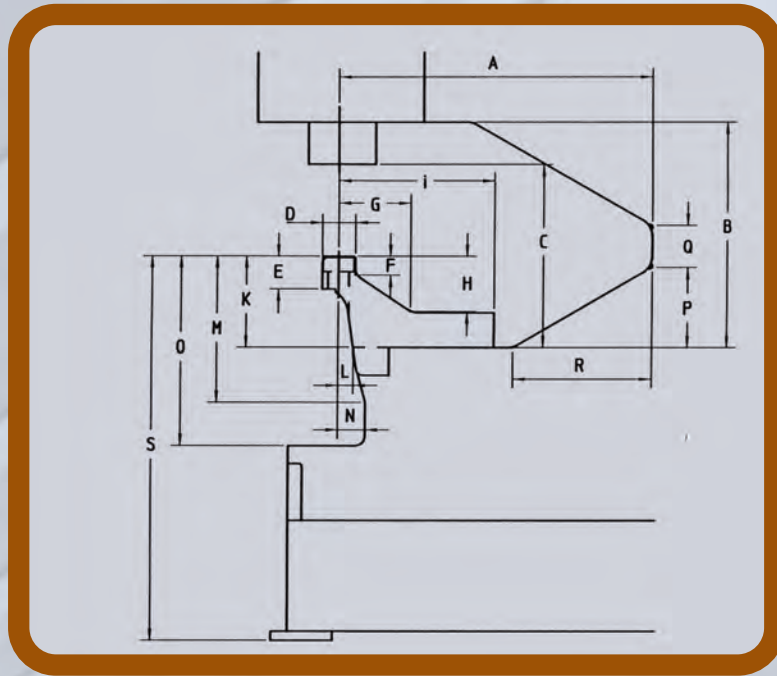
Punching machines

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. This continuous quality improvement ensures that **GEKA** punching machines, the well-known **PUMA** models, have:

- ▶ Technically dimensioned bed.
- ▶ Cylinder with additional guide.
- ▶ Strong and accurate shaft system to avoid distortions.
- ▶ Guided centering of punch.
- ▶ Quick punch change. Safety protection.
- ▶ 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.
- ▶ A range of punching machines from 50 to 240 Ton, with throats between 5" and 31½".

HYDRAULIC PUNCHING MACHINES						
		PUMA-55	PUMA-80	PUMA-110	PUMA-165	PUMA-220
Punching power	Tons	60	88	120	185	2200
Maximum capacity	In	Ø11½"x 3/8"	Ø11½"x 9/16"	Ø 11½"x 3/4"	Ø11½"x11/4"	Ø11½"x11½"
Throat	In	195/8" 291/2"	20" 291/2"	195/8" 291/2"	20" 297/8"	20" 311/2"
PUNCHING OF SECTIONS WITH GOOSENECK DIE HOLDER						
I on the leg	In	4" - 12"	4" - 12"	4" - 173/4"	4" - 173/4"	4" - 173/4"
I on the web	In	4" - 195/8"	4" - 195/8"	4" - 195/8"	43/4" - 195/8"	43/4" - 195/8"
U on the leg	In	43/4" - 12"	43/4" - 12"	43/4" - 153/4"	43/4" - 153/4"	43/4" - 153/4"
U on the web	In	43/4" - 101/4"	43/4" - 147/8"	43/4" - 153/4"	43/4" - 153/4"	43/4" - 153/4"
GENERAL FEATURES						
Motor power	H.P.	8.5	12	20	27	27
Strokes per minute with 1" stroke		37	40	28	28	25
Maximum stroke	In	23/8"	23/4"	3-5/32"	3-15/16"	3-15/16"
Working height S/SD	In	413/4" / 317/8"	43" / 47"	39" / 42"	413/4" / 413/4"	397/8" / 397/8"
Net weight S/SD	Lbs	2,535 / 4,155	2,415 / 4,665	6,945 / 8,755	9,460 / 9,975	11,465/12,125
Gross weight S/SD	Lbs	2,910 / 4,630	4,245 / 5,180	7,495 / 9,480	10,365/ 11,025	12,570/13,230
Volume S/SD	Ft ³	1281/8 / 1471/4	160 / 2071/4	196 / 2407/8	2581/8 / 316	340 / 3531/8
Dimensions with seaworthy packaging	S SD	61"x 47" x 77" 73" x 47" x 71"	67"x51"x81" 83"x51"x85"	82"x 51" x 81" 90"x 51" x 91"	80"x 63"x 128" 80"x 63"x 128"	100"x63"x93" 105"x63"x93"
OPTIONAL EQUIPMENT						
Pipe notching	In	25/8"	23/8"	23/8"	23/8"	23/8"
Oversize Punching diameters	In	Ø4" x 5/32"	Ø 4" x 1/4"	Ø 4" x 3/8"	Ø4" x 1/4"	Ø4" x 5/8"

- Capacities based on a material resistance of 65,000 tensile strength.
- The manufacturer reserves the right to make modifications without prior notice.



		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
PUMA 55	S	19.69	13.39	10.63	2.56	2.17	1.30	4.74	3.19	9.19	3.19	5.39	0.98	9.09	1.77	12.87	4.02	3.07	7.28	41.73
	SD	29.53	13.39	10.63	2.56	2.17	1.30	4.74	3.19	9.19	3.19	5.39	0.98	9.09	1.77	12.87	4.02	3.07	7.28	31.89
PUMA 80	S	20.08	14.57	11.81	2.56	2.44	1.22	4.84	3.50	9.98	3.50	5.67	0.98	9.21	1.77	11.97	5.12	2.76	9.21	43.07
	SD	29.53	14.57	11.81	2.56	2.44	1.22	4.84	3.50	9.98	3.50	5.67	0.98	9.21	1.77	11.97	5.12	2.76	10.94	47.01
PUMA 110	S	19.69	16.54	13.78	3.11	3.11	1.57	5.53	3.78	10.51	3.78	6.34	0.98	12.83	1.85	18.15	3.74	4.92	3.94	39.02
	SD	29.53	16.54	13.78	3.11	3.11	1.57	5.53	3.78	10.51	3.78	6.34	0.98	12.83	1.85	18.15	3.74	4.92	3.94	41.97
PUMA 165	S	20.08	17.72	13.78	3.35	3.11	1.38	6.22	4.09	16.93	6.30	7.87	0.98	14.65	1.77	17.72	-	9.45	-	41.73
	SD	29.92	17.72	14.96	3.35	3.11	1.38	6.22	4.09	16.93	6.30	7.87	0.98	14.65	1.77	17.72	5.55	3.86	9.65	41.73
PUMA 220	S	20.08	17.72	14.76	3.35	3.11	1.30	6.38	3.94	17.13	5.94	7.80	1.18	-	1.18	19.02	0.00	12.99	-	39.88
	SD	31.50	17.72	14.76	3.35	3.11	1.30	6.38	3.94	17.13	5.94	7.80	1.18	-	1.18	19.02	4.92	7.87	8.50	39.88

Measurements in inches.

Puma 55-500

- ▶ Punching power 60 Tons.
- ▶ Max. capacity: $\varnothing 1\frac{1}{2}$ in $\frac{3}{8}$
 $\varnothing \frac{3}{4}$ in $\frac{3}{8}$
 $\varnothing \frac{1}{16}$ in $\frac{7}{16}$
- ▶ Throat 19 $\frac{5}{8}$ ".



Puma 110-500



- ▶ Punching power 120 Tons.
- ▶ Max. capacity: $\varnothing 41\frac{1}{2}$ " in $\frac{3}{4}$ ".
 $\varnothing 1\text{-}3/32$ " in $1\text{-}3/32$ ".
 $\varnothing 1\text{-}3/32$ " in $\frac{3}{4}$ ".
- ▶ Throat $19\frac{5}{8}$ "



Puma 165-500

- ▶ Punching power 185 Tons.
- ▶ Max. capacity: $\varnothing 1\frac{1}{2}$ " in $1\frac{1}{4}$ ".
 $\varnothing 1\text{-}5/16$ " in $1\text{-}5/16$ ".
 $\varnothing 1\text{-}3/32$ " in $1\text{-}3/32$ ".
- ▶ Throat 20"