

# 50 Ton Double-Acting Hydraulic Punch

## ▼ QUICK SELECTION CHART PUNCH SETS

Included				Set Model Number	 (kg)
Model Number Punch*	Punch & Die Sets	Electric Pump	Hydraulic Hose (2x)		
SP-50	All **	-	-	SP-50100	116
SP-50	All **	ZE4410SE	HC-7206	SP-5000E	174

\* Punch Oil Capacity:  
Advance: 278 cm<sup>3</sup>  
Retract: 229 cm<sup>3</sup>

\*\* All standard sets from chart below.

## SP Series



Capacity:

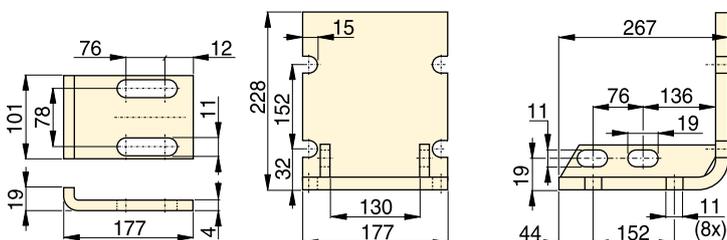
**50 ton (490 kN)**

Hole Sizes:

**13,5 - 26,2 mm**

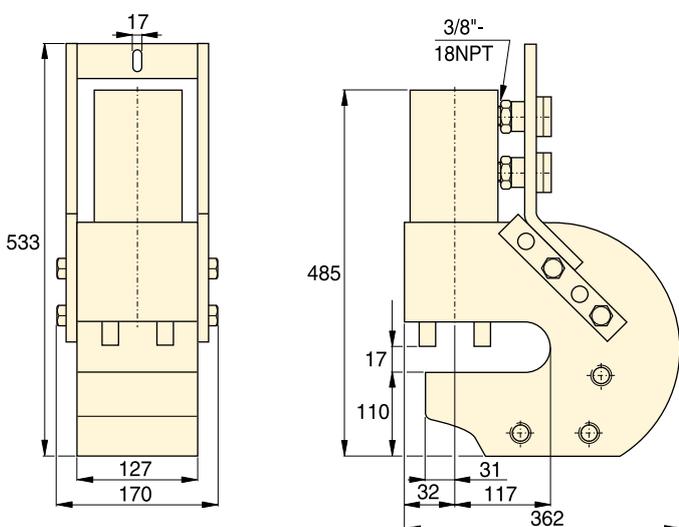
Maximum Operating Pressure:

**700 bar**



SP-110

SP-120



SP-50



### CAUTION!

Material thickness should not exceed hole diameter.



### CAUTION!

Chart below is for reference only! Maximum allowable material thickness to be punched varies with set wear.

### Steel Qualities (see table below):

- 1) Mild A-7
- 2) Boiler Plate
- 3) Structural A-36
- 4) Struct Corten (ASTM A242)
- 5) Cold Rolled C-1018
- 6) Hot Rolled C-1050
- 7) Hot Rolled C-1095
- 8) Hot Rolled C-1095 Annealed
- 9) Stainless Annealed
- 10) Stainless 304 Hot Rolled
- 11) Stainless 316 Cold Rolled

## ▼ STANDARD PUNCH AND DIE SELECTION CHART

Hole Shape	Hole Size (mm)	Bolt Size (mm)	Model Numbers Standard Punch and Die Set 	Maximum Allowable Material Thickness To Be Punched (mm)										
				1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)
●	13,5	M12	SP-150	13,5	13,5	13,5	13,5	13,5	12,4	8,1	10,2	12,4	12,4	12,4
●	16,7	M16	SP-170	-	-	-	-	-	13,0	8,1	10,2	13,0	13,0	13,0
●	19,8	M18	SP-190	-	-	-	-	-	12,4	8,1	10,2	12,4	12,7	12,4
●	23,1	M20	SP-121	14,2	14,2	14,2	12,7	14,2	8,9	5,6	8,9	8,9	8,9	8,9
●	26,2	M24	SP-123	14,2	14,2	14,2	11,2	14,2	7,9	4,8	7,9	7,9	7,9	7,9