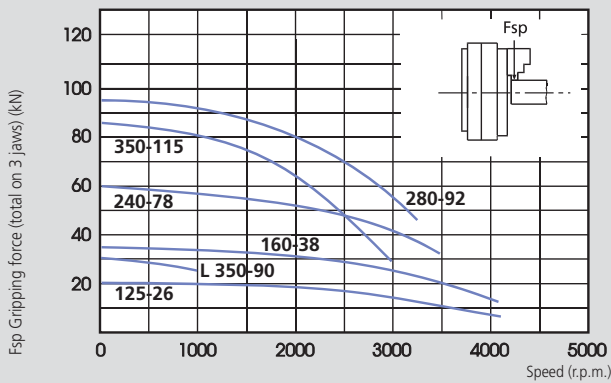


# Front-end pneumatic power chucks $\varnothing$ 125 - 350 mm

- EXTRA LARGE THROUGH HOLE
- 3 jaws
- SP-ES: chuck with rapid and clamping stroke
- SP-L: chuck with long jaw stroke

# SP® + SP-ES + SP-L

INCH  
serration



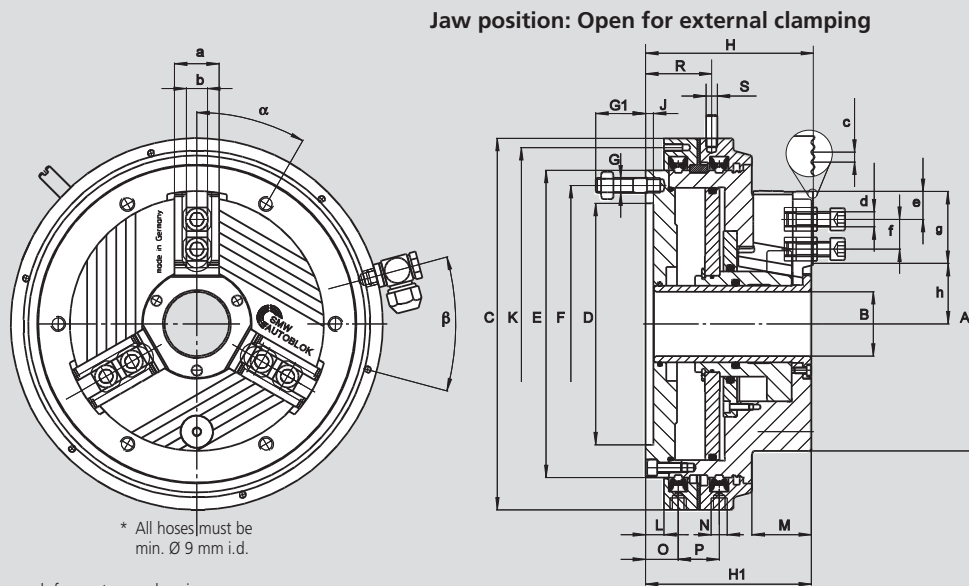
## Actual gripping force diagram

The data in the diagram refer to 3-jaw-chucks, newly maintained according to their service manuals, using SMW-AUTOBLOK K05 grease, operated at 6 bar.

The speeds refer to a static bracket. The static and dynamic gripping forces have been measured using MHB hard top jaws placed in a position, not exceeding the outer diameter of the chuck.

### △ Safety advice/danger of damage:

When using taller/heavier jaws and/or clamping on a bigger diameter reduce draw pull/rotating speed accordingly.



Subject to technical changes  
For more detailed information please ask for customer drawing

SMW-AUTOBLOK Type		SP 125-26	SP 160-38	SP 240-78	SP 280-92	SP 350-115	SP 350-115 ES	SP-L 350-90
<b>Mounting</b>		<b>Z120</b>	<b>Z155</b>	<b>Z195</b>	<b>Z235</b>	<b>Z235</b>	<b>Z235</b>	<b>Z235</b>
	<b>A</b>	mm	136	171	240	284	350	360
	<b>B</b>	mm	26	38	78	92	115	90
	<b>C</b>	mm	204	255	300	372	372	372/380
	<b>D</b>	H6 mm	120	155	195	235	235	235
	<b>E</b>	mm	160	205	248	315	315	315
Fixing bolts circle (6 x 60°)	<b>F</b>	mm	137	180	223.8	290.5	290.5	290.5
Stud screw with nut	<b>G</b>	mm	M8	M12	M12	M12	M12	M12
	<b>G1</b>	mm	30	40	40	39	39	39
	<b>H</b>	mm	103	131	135.5	157.5	157.5	191.5
	<b>H1</b>	mm	101.5	129.5	134	156	156	190
	<b>J</b>	mm	6.5	6.5	6.5	6.5	6.5	6.5
Fixing bolts circle 6 x 60°/M6	<b>K</b>	mm	190	242	285	358	358	358
	<b>L</b>	mm	10	14.5	15	21	21	21
	<b>M</b>	mm	35	46	48	58	62	92
Pneumatic connection	<b>N</b>	inch	G 1/8"	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"
	<b>O</b>	mm	19	26	26.5	33	33	33
	<b>P</b>	mm	29	33	33	33	33	33
	<b>R</b>	mm	43	52	52	60	60	60
Anti-rotation pin	<b>S</b>	mm	8	12	12	12	12	12
	<b>a</b>	mm	24	30	36	44	44	44
	<b>b</b>	mm	12	14	17	21	21	21
Serration	<b>c</b>	inch	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°
Bolt DIN 912 12.9	<b>d</b>	mm	M8 x 30	M10 x 35	M12 x 35	M16 x 35	M16 x 35	M16 x 35
min.	<b>e</b>	mm	6	8	9.5	12	12	12
T-nuts distance min./max.	<b>f</b>	mm	17/25	21/31	22/41.5	25/51	25/72	25/72
Serration length	<b>g</b>	mm	40	50	59	75	93	95
min./max.	<b>h</b>	mm	25/28	34.9/39	57.7/61.9	70/65	79/84	85/100
	$\alpha^\circ$	deg.	0°	0°	30°	0°	0°	0°
	$\beta^\circ$	deg.	30°	30°	30°	45°	45°	45°