

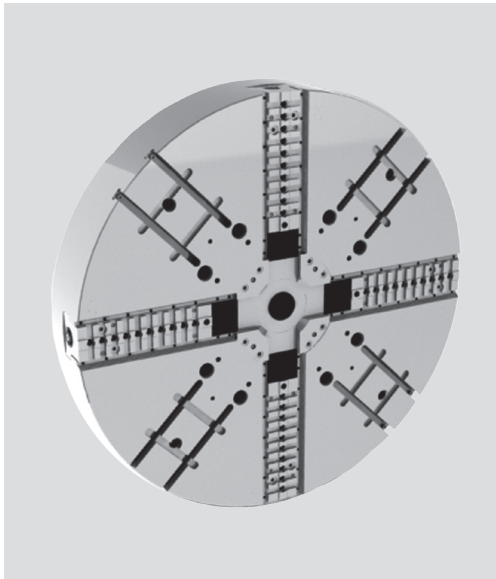
PTF

TONGUE & GROOVE

Manual clamping and radial setting of jaws

High precision 4-jaw independent manual chuck Ø 530 - 2000 mm

- Closed center
- 4 jaws (all diameters)



Application/customer benefits

- Clamping of large round, square and irregular parts
- Manual, radial setting of component and manual clamping
- Suitable for vertical machines. Strong body and master jaws design and option to easily mount a strong center point
- High gripping force allowed by the strong design, with the option to increase it with a torque multiplier
- Tongue & groove master jaws (type "American Standard")

Technical features

- Manual gripping force applied by a strong and protected screw on a strong and rigid master jaw
- Manual and fine setting of master jaws for workpiece centering
- Protection from contamination with seals along the master jaw profiles
- Possibility to use jaw boxes for manual clamping mounted on the T-slots between the master jaws

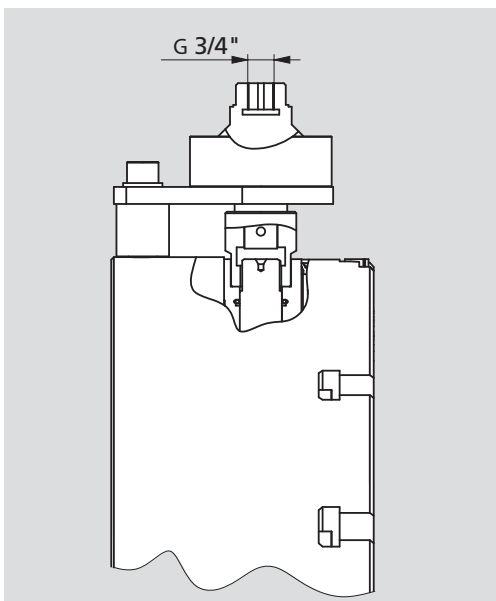
Standard equipment

- 4-jaw independent manual chuck
- 1 set of soft top jaws
- 1 regulation and actuation key
- 1 grease gun and 500g grease

Ordering example

- 4-jaw independent chuck PTF 1600 / Z720
- Id. No. 77137063
- Option: 5:1 torque multiplier
- Id. No. 13506320

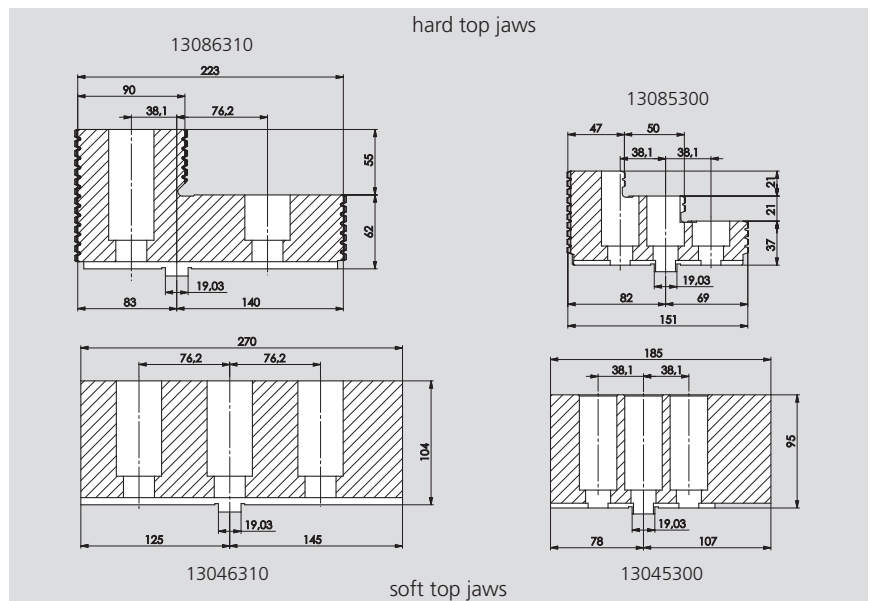
Optional: 5:1 torque multiplier



Optional 5:1 torque multiplier

To achieve the maximum gripping force and speed, the easiest and most comfortable way is to use this multiplier that will increase 5 times the input torque. Id. No. 13506320

Soft and hard top jaws for PTF



⚠ Safety advice / danger of damage:

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

Technical data

SMW-AUTOBLOK Type		PTF 530	PTF 660	PTF 800	PTF 1000	PTF 1250	PTF 1400	PTF 1600	PTF 2000
Radial jaw stroke (manual setting)	mm	45	60	55	60	60	60	60	80
Max. manual operating torque	Nm	300	300	300	600	600	700	700	700
Max. total gripping force*	kN	160	160	160	360	360	360	360	360
Max. speed	r.p.m.	1000	800	600	550	450	380	340	280
Weight (without top jaws)	kg	216	357	55	730	930	1435	1860	2730
Moment of inertia	kg·m ²	8	20	46	89	183	364	565	1380
Hard top jaw (piece)	Id. No.	13085300	13085300	13085300	13086310	13086310	13086310	13086310	13086310
Soft top jaw (piece)	Id. No.	13045300	13045300	13045300	13046310	13046310	13046310	13046310	13046310
Id. No. PTF		77137053	77137066	77137080	77137039	77137049	77137055	77137063	77137079

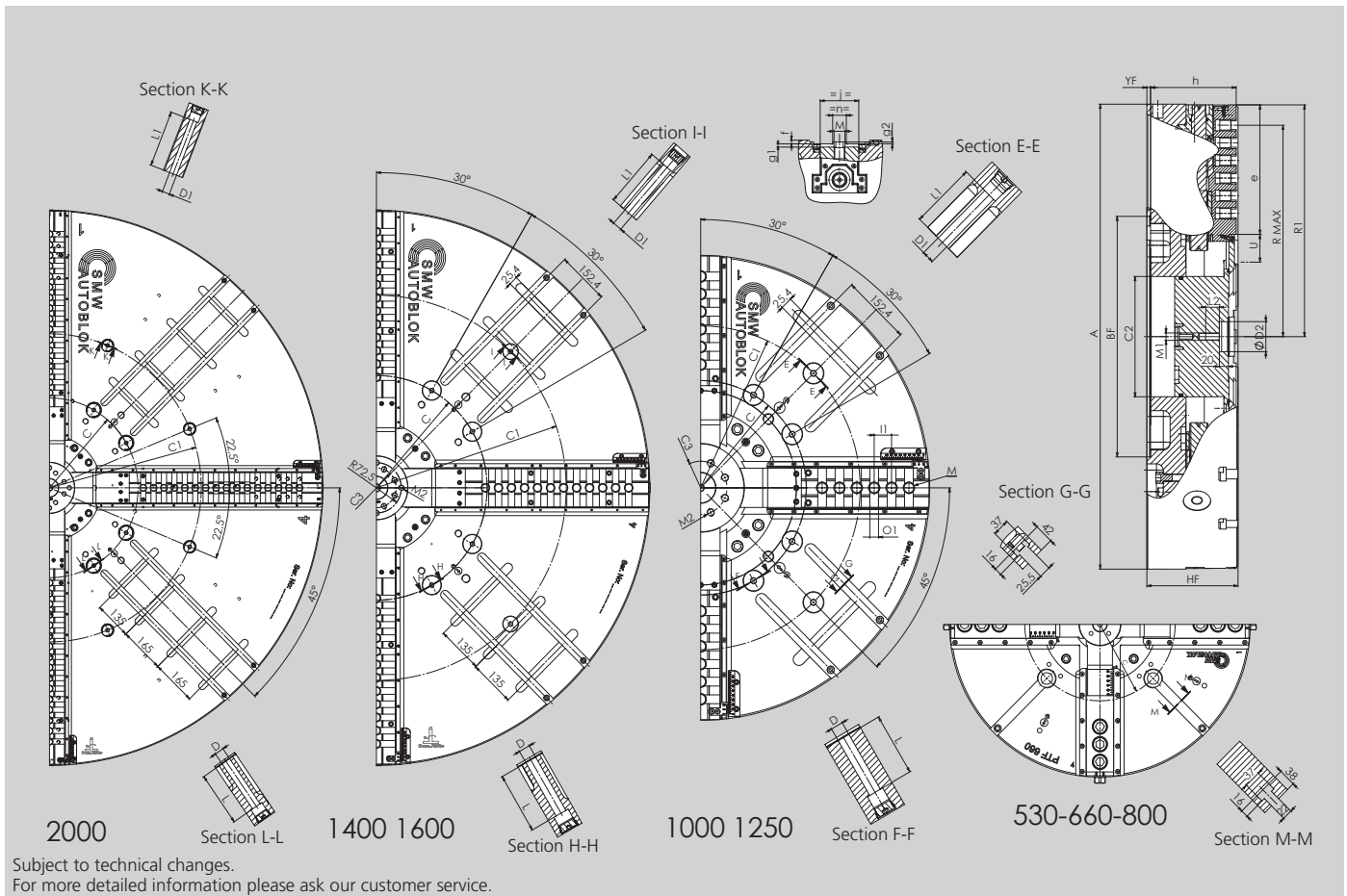
* at max. torque.

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PTF

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Manual clamping and radial setting of jaws



SMW-AUTOBLOK Type			PTF 530	PTF 660	PTF 800	PTF 1000	PTF 1250	PTF 1400	PTF 1600	PTF 2000
Mounting			Z380	Z380	Z520	Z520	Z520	Z720	Z720	Z720
	A	mm	530	660	800	1005	1250	1400	1600	2000
	Bf H6	mm	380	380	520	520	520	720	720	720
	C	mm	330.2	330.2	463.6	463.6	463.6	647.6	647.6	647.6
	C1	mm	-	-	-	700	700	1110	1110	1110
	C2	mm	135	135	175	260	260	300	300	300
	C3	mm	55	55	85	115	115	115	115	115
	D	mm	27	27	27	27	27	33	33	33
	D1	mm				27	27	27	27	27
	D2	mm	30	30	45	65	65	65	65	65
	Hf	mm	148	148	158	200	200	240	240	260
	L	mm	67	67	77	137	139	177	177	197
	L1	mm	-	-	-	145	145	177	173	205
	L2	mm	22	22	28	30	30	24	24	24
Chuck open	R1	mm	260	327	396	501	623	696	796	996
Chuck open	Rmax	mm	230	297	356	457	563	657	738	914
Radial jaw stroke	U	mm	45	60	55	60	60	60	60	80
	Yf	mm	5	5	5	8	8	8	8	8
	e	mm	135	172	240	280	402	439	536	704
	f	mm	7	7	7	8	8	8	8	8
	g1	mm	7	7	7	7	7	7	7	7
	g2	mm	3	3	3	4	4	4	4	4
	h	mm	139	139	146	188	188	228	228	248
	j	mm	60	60	70	85	85	110	110	110
	l1	mm	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
	M	mm	M20	M20	M20	M24	M24	M24	M24	M24
	M1	mm	M12	M12	M16	M16	M16	M24	M24	M24
	M2	mm	M10	M10	M12	M16	M16	M16	M16	M16
	n h8	mm	12,7	12,7	12,7	30	30	30	30	30
	o1 H7	mm	19.03	19.03	19.03	19.03	19.03	19.03	19.03	19.03
Number of "o1" cross grooves			3	4	5	6	9	10	12	16
Number of "m" threads			3	4	5	6	9	11	12	16