

PTF

TONGUE & GROOVE

Manual clamping and radial setting of jaws

High precision 4-jaw independent manual chucks Ø 1000 - 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

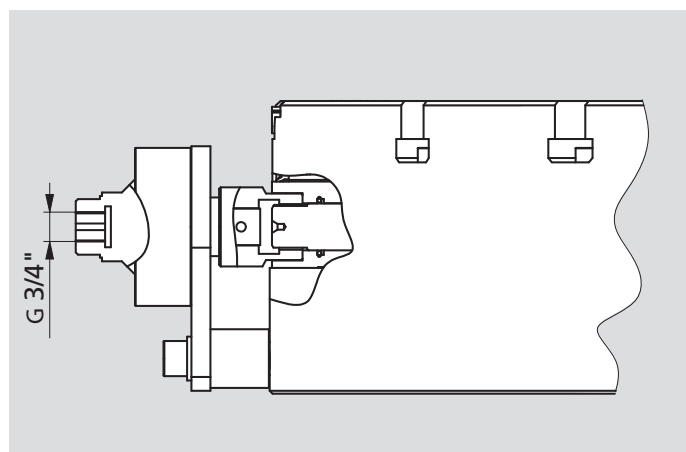
Standard equipment

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

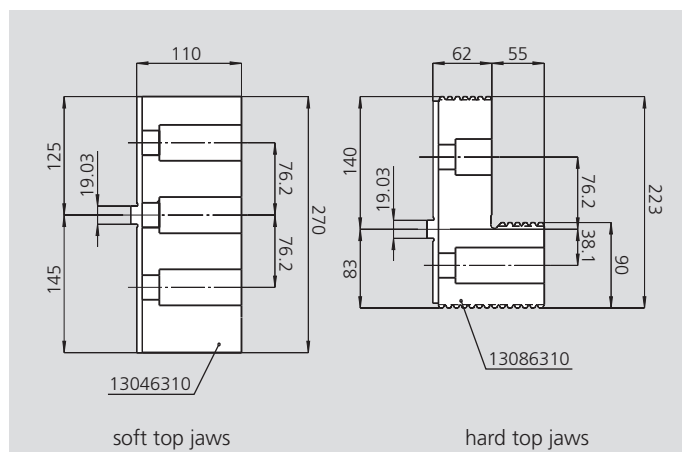


Optional 5:1 torque multiplier

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 1000	PTF 1250	PTF 1400	PTF 1600	PTF 2000
Radial jaw stroke (manual setting)	mm	60	60	60	60	80
Max. manual operating torque	Nm	600	600	700	700	700
Max. total gripping force*	kN	360	360	360	360	360
Max. speed	r.p.m.	550	450	380	340	280
Weight (without top jaws)	kg	730	930	1435	1860	2730
Moment of inertia	kg·m²	89	183	364	565	1380
Hard top jaw (piece)	Id. No.	13086310	13086310	13086310	13086310	13086310
Soft top jaw (piece)	Id. No.	13046310	13046310	13046310	13046310	13046310
Id. No.		77137039	77137049	77137055	77137063	77137079

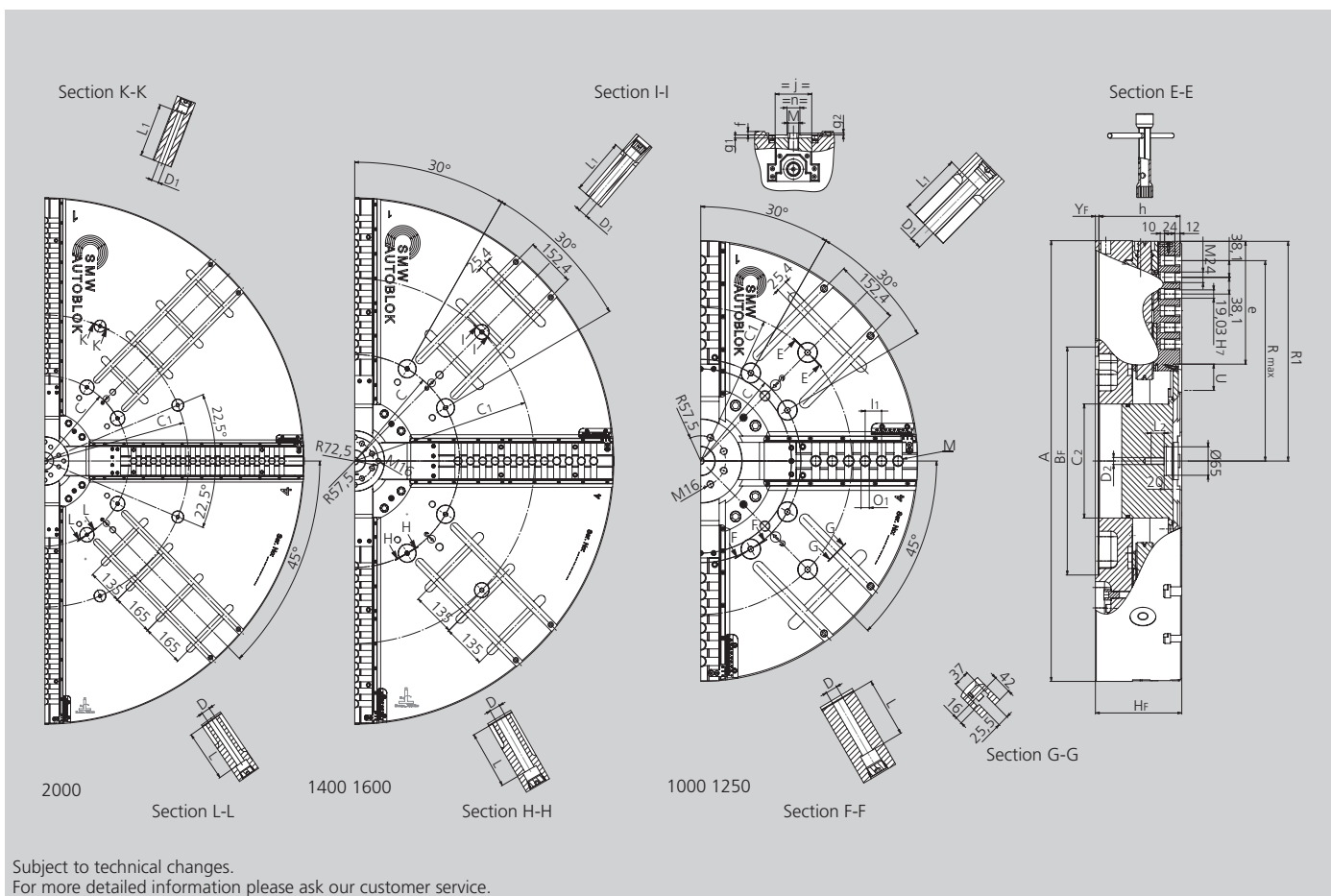
* at max. torque.

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SMW-AUTOBLOK Type			PTF 1000	PTF 1250	PTF 1400	PTF 1600	PTF 2000
Mounting			Z520	Z520	Z720	Z720	Z720
	A	mm	1005	1250	1400	1600	2000
	Bf H6	mm	520	520	720	720	720
	C	mm	463.6	463.6	647.6	647.6	647.6
	C1	mm	700	700	1110	1110	1110
	C2	mm	260	260	300	300	300
	D	mm	27	27	33	33	33
	D1	mm	27	27	27	27	27
	D2	mm	M16	M16	M24	M24	M24
	Hf	mm	200	200	240	240	260
	L	mm	137	139	177	177	197
	L1	mm	145	145	177	173	205
	L2	mm	30	30	24	24	24
Chuck open	R1	mm	501	623	696	796	996
Chuck open	Rmax	mm	457	563	657	738	914
Radial jaw stroke	U	mm	60	60	60	60	80
	Yf	mm	8	8	8	8	8
	e	mm	280	402	439	536	704
	f	mm	8	8	8	8	8
	g1	mm	7	7	7	7	7
	g2	mm	4	4	4	4	4
	h	mm	188	188	228	228	248
	j	mm	85	85	110	110	110
	l1	mm	38.1	38.1	38.1	38.1	38.1
	m	mm	M24	M24	M24	M24	M24
	n h8	mm	30	30	30	30	30
	o1 H7	mm	19.03	19.03	19.03	19.03	19.03
Number of "o1" cross grooves			6	9	10	12	16
Number of "m" threads			6	9	11	12	16