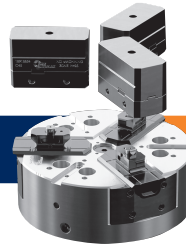
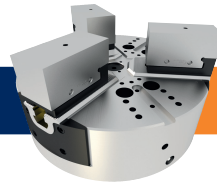


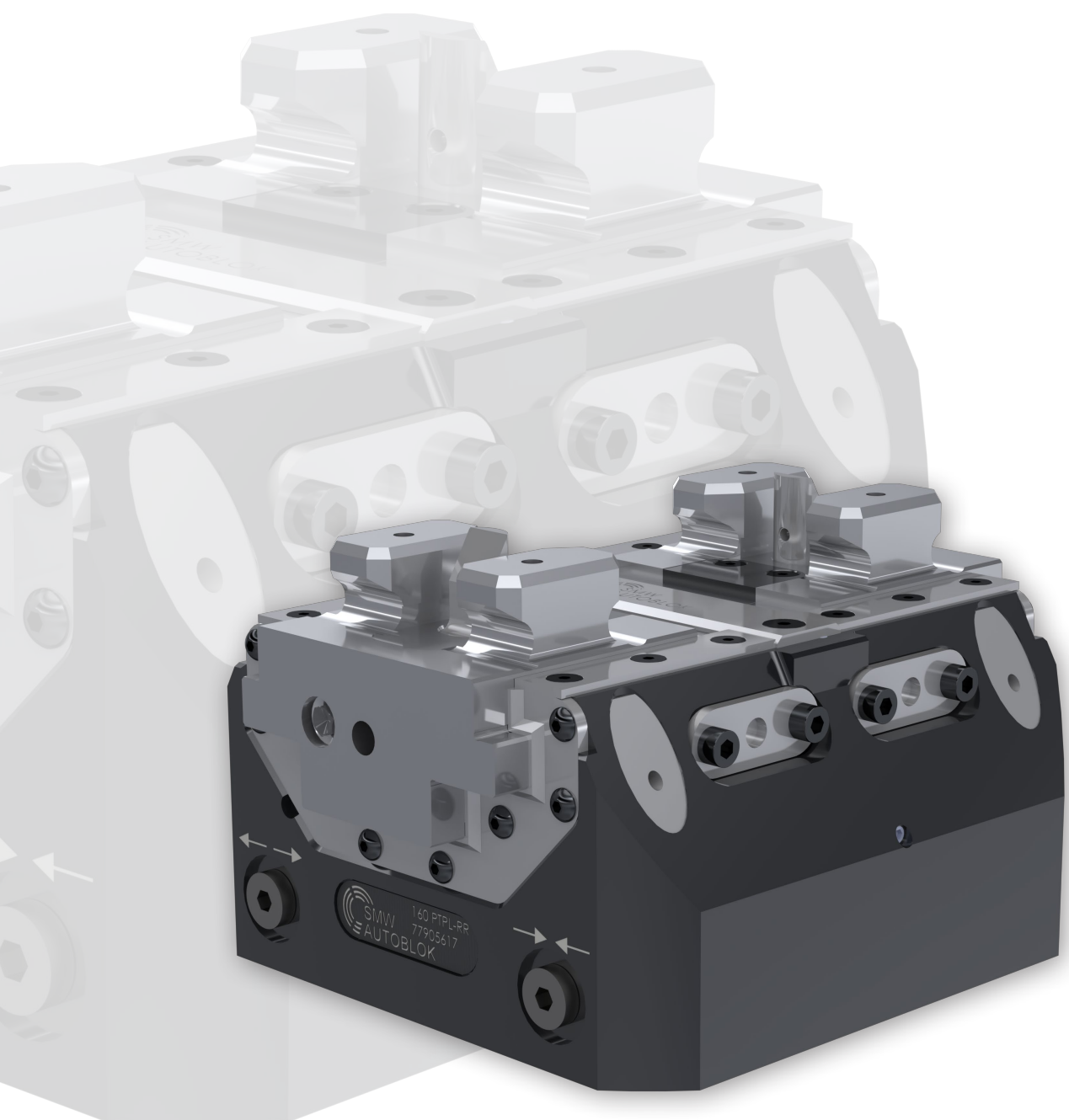


2023

QUICK CHANGE
QUICK CHANGE
QUICK CHANGE

SPECIALRR

Special RR - Quick jaws change**CHAPTER 1 - Twin Vise PT-RR****3 ÷ 9****CHAPTER 2 - APL / NTL-RR****11 ÷ 17****CHAPTER 3 - Kit RR****19 ÷ 22**



TWIN VISE PT-

RR

PTP-L-RR

Protected Pneumatic Twin Vise with quick change

- Quick jaws change
- Pneumatic version
- Pneumatic open/close control (stroke control) master jaws valve
- PTP-L-RR: Long stroke

Application/Customer benefits

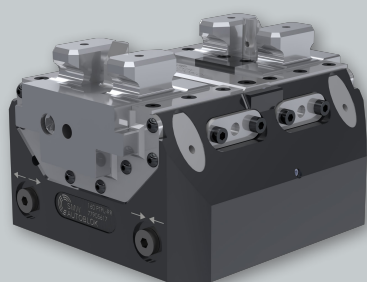
- Compact design
- Master jaws guide protected against swarf and chips
- Highest repeatability
- Highest rigidity
- Linear pressure adjustment
- Quick jaws change

Standard equipment

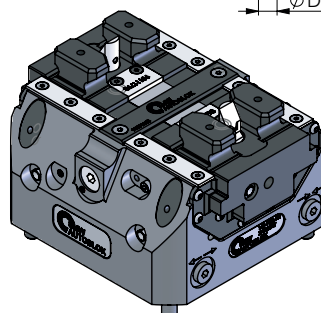
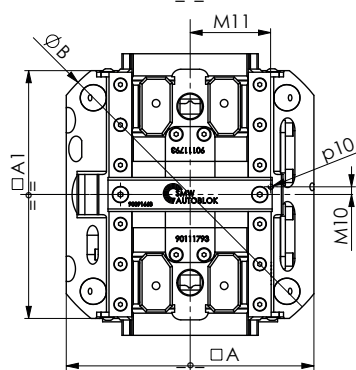
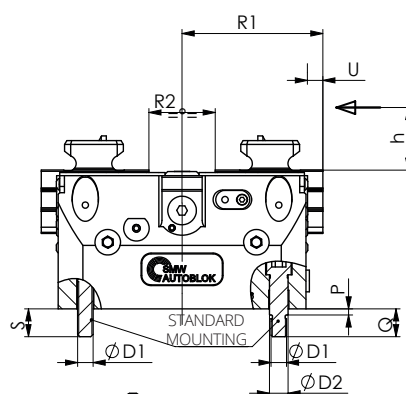
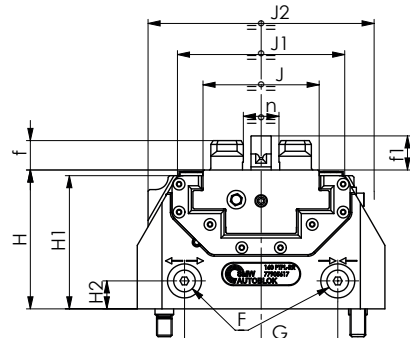
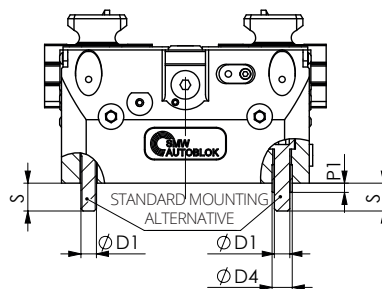
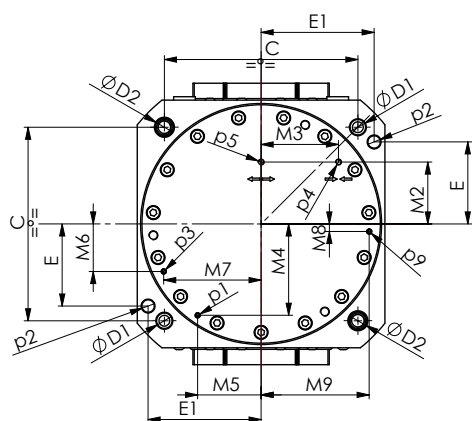
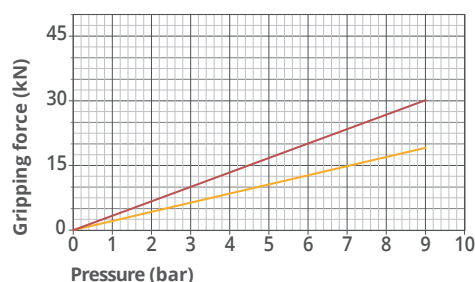
Self-centering vise without top jaws
All bolts and centering bushings included

Technical features

- Housing and functional parts hardened for high precision and long life
- Ready for air purge
- Ready for central grease lubrication
- Quick jaw change master jaw
- OD and ID clamping
- Pneumatic open/close control (stroke control) master jaws valve
- Air sensing
- Lubrication with SMW-Autoblok K67 grease
- Stroke control via proximity switches



PTP-L-RR ■ 160 ■ 200



- Quick jaws change
- Pneumatic version
- Pneumatic open/close control (stroke control) master jaws valve
- PTP-L-RR: Long stroke

PTP-L-RR

**Protected Pneumatic Twin Vise
with quick change**

1
RR
SPECIAL

TECHNICAL DATA

TYPE	ID.No.	STROKE TYPE	STROKE/JAW	MAX CLAMPING FORCE	PISTON AREA	MAX. OPERATING PRESSURE	REPEATABILITY	WEIGHT
160 PTP-L-RR	77905617	LONG	8,4 mm	19 kN	128 cm ²	9 bar	0.01 mm	13 kg
200 PTP-L-RR	77905621	LONG	10,2 mm	30 kN	194 cm ²	9 bar	0.02 mm	23 kg

PTP-RR		160	200
A		160	200
A1		160	200
B(Ø)		205	255
C		125	160
D1(Ø)		M10	M12
D2 (Øf7)		12	14
D4 (Øjs7)		13	16
E		53	73
E1		73	92
F		G1/8"	G1/8"
G		99	127
H		89,7	97
H1		86	93
H2		18	18
J		75	94
J1		108	144
J2		146	166
M2		40	50
M3		50	65
M4		59	72,8
M5		41	52,9
M6		30,7	39,5
M7		62,9	80,9
M8		4,9	9,4
M9		69,8	89,5
M10		5	8
M11		52	60
P		4	5
P1		6	6
Q		18	20
R1	MIN/MAX (LONG STROKE)	82.5/90.9	102.5/112.7
R2	MIN/MAX (LONG STROKE)	26/42.8	30/50.4
S		18	20
U	LONG STROKE	8.4	10.2
f		19	19
f1		22	22
h		25	35
n (H6)		23	38
p1	LUBRICATION FITTING	M4	M4
p2 (ØH7)		8x14	8x14
p3	PNEUMATIC OPEN/CLOSE- STROKE CONTROL M.JAWS OR AIR PURGE	M4	M4
p4	WISE CLOSE	M4	M4
p5	WISE OPEN	M4	M4
p9	AIR SENSING CONNECTION	M4	M4
p10	AIR SENSING OUTLET (UNDER FRONT PLATE)	M4	M4

PTH-L-RR

Protected Hydraulic Twin Vise with quick change

- Quick jaws change
- Hydraulic version
- Pneumatic open/close control (stroke control) master jaws valve
- PTH-L-RR: Long stroke

Application/Customer benefits

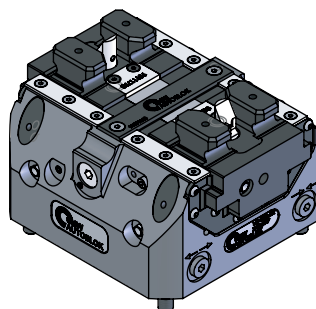
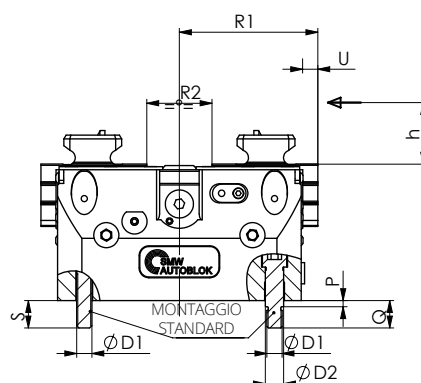
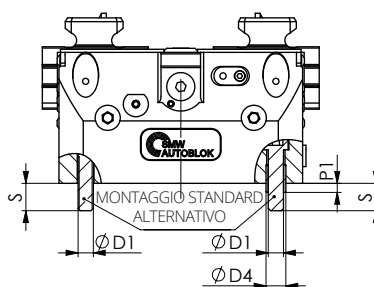
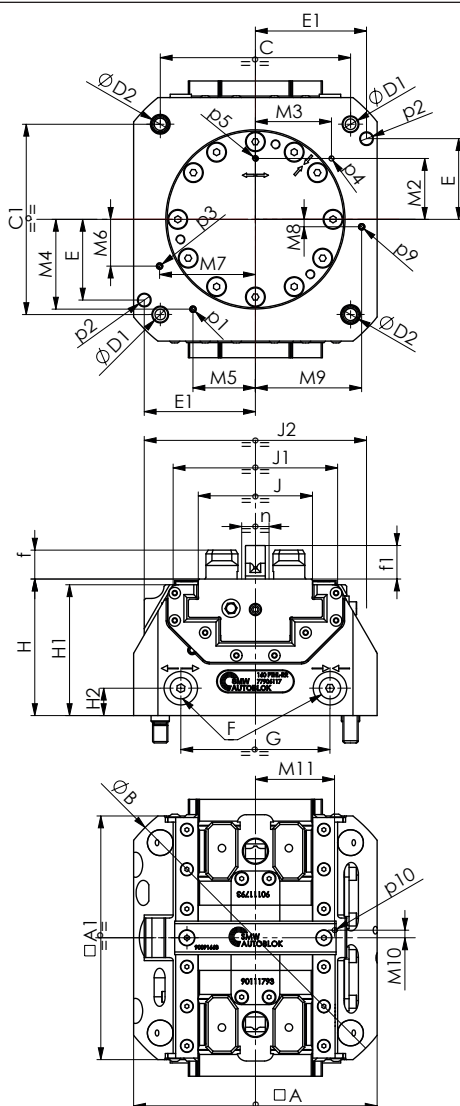
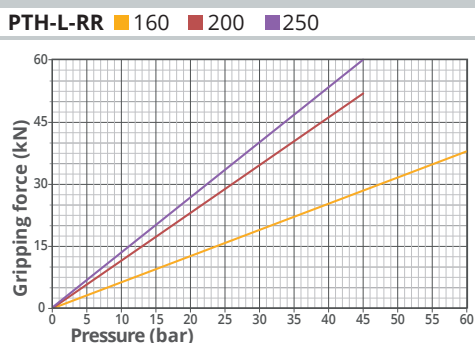
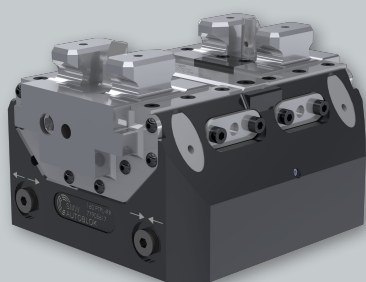
- Compact design
- Master jaws guide protected against swarf and chips
- Highest repeatability
- Highest rigidity
- Linear pressure adjustment
- Quick jaws change

Standard equipment

Self-centering vise without top jaws
All bolts and centering bushings included

Technical features

- Housing and functional parts hardened for high precision and long life
- Ready for air purge
- Ready for central grease lubrication
- Quick jaw change master jaw
- OD and ID clamping
- Pneumatic open/close control (stroke control) master jaws valve
- Air sensing
- Lubrication with SMW-Autoblok K67 grease
- Stroke control via proximity switches



- Quick jaws change
- Hydraulic version
- Pneumatic open/close control (stroke control) master jaws valve
- PTH-L-RR: Long stroke

PTH-L-RR

**Protected Hydraulic Twin Vise
with quick change**

1
RR
SPECIAL

TECHNICAL DATA

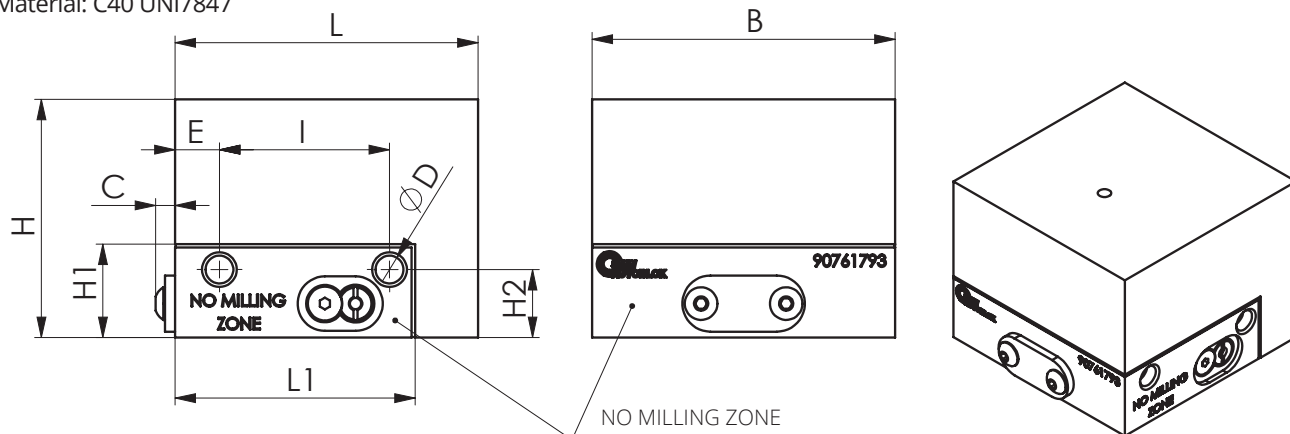
TYPE	ID.No.	STROKE TYPE	STROKE/JAW	MAX CLAMPING FORCE	PISTON AREA	MAX. OPERATING PRESSURE	REPEATABILITY	WEIGHT
160 PTH-L-RR	77906117	LONG	8,4 mm	38 kN	45 cm ²	60 bar	0.01 mm	15 Kg
200 PTH-L-RR	77906121	LONG	10,2 mm	52 kN	68 cm ²	45 bar	0.02 mm	25 Kg
250 PTH-L-RR	77906126	LONG	15 mm	60 kN	113 cm ²	45 bar	0.02 mm	35 Kg

PTH-RR		160	200	250
A		160	200	210
A1		160	200	238
B(Ø)		205	255	300
C		125	160	180
C1		125	160	200
D1(Ø)		M10	M12	M12
D2 (Øf7)		12	14	14
D4 (Øjs7)		13	16	16
E		53	73	80
E1		73	92	90
F		G1/8"	G1/8"	G1/8"
G		98	128	90
H		89,7	97	105
H1		86	93	100
H2		18	18	20
J		75	94	125
J1		108	144	180
J2		146	166	-
M2		40	50	80
M3		50	65	45
M4		59	72,8	89,8
M5		41	52,9	65,2
M6		30,7	39,5	0
M7		62,9	80,9	92
M8		4,9	9,4	6,7
M9		69,8	89,5	76,7
M10		5	8	9
M11		52	60	78
P		4	5	5
P1		6	6	6
Q		18	20	20
R1	MIN/MAX (LONG STROKE)	82.5/90.9	102.5/112.7	119,5/134,5
R2	MIN/MAX (LONG STROKE)	26/42.8	30/50.4	39/69
S		18	20	20
U	LONG STROKE	8.4	10.2	15
f		19	19	19
f1		22	22	22
h		25	35	40
n (H6)		23	38	48
p1	LUBRICATION FITTING	M5	M5	M5
p2 (ØH7)		8x14	8x14	10x20
p3	PNEUMATIC OPEN/CLOSE- STROKE CONTROL M.JAWS OR AIR PURGE	M5	M5	M5
p4	WISE CLOSE	M4	M4	M5
p5	WISE OPEN	M4	M4	M5
p9	AIR SENSING CONNECTION	M5	M5	M5
p10	AIR SENSING OUTLET (UNDER FRONT PLATE)	M4	M4	M5

Soft Top Jaws QUICK CHANGE

for TWIN VISE PT-RR

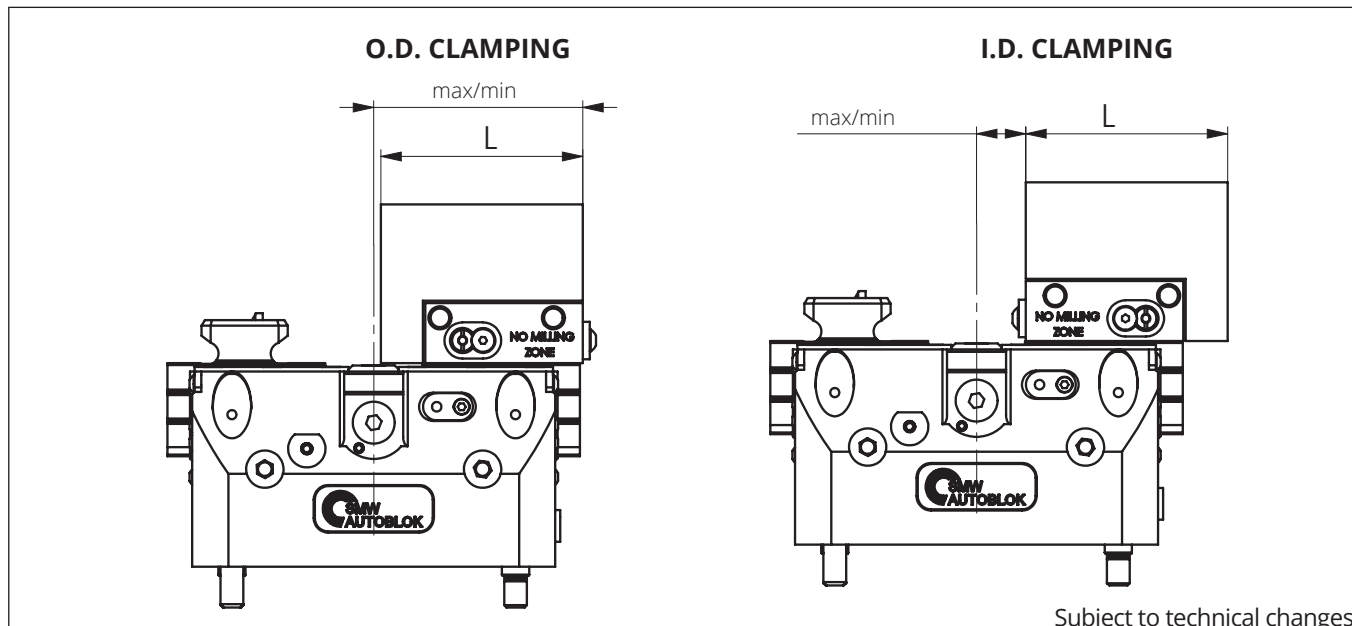
Material: C40 UNI7847



Subject to technical changes

TYPE	ID.No. (*)	B	C	ØD	E	H	H1	H2	I	L	L1	PESO (kg)
160 PT-RR	90711793	89	6	8,2	13	70	27	20	50	89	70	4
160 PT-RR	90721793	89	6	8,2	13	110	27	20	50	89	70	6,5
200 PT-RR	90712193	109	6	8,2	29	80	27	20	50	109	89	7
200 PT-RR	90722193	109	6	8,2	29	120	27	20	50	109	89	11
250 PT-RR	90712643	139	0	8,2	40	90	27	20	50	130	100	12
250 PT-RR	90722643	139	0	8,2	40	140	27	20	50	130	100	19

*The Id.n. refers to one single piece



Subject to technical changes

TYPE	ID.No.*	O.D. Clamping		I.D. Clamping	
		max/min	CLAMPING RANGE	max/min	CLAMPING RANGE
160 PT-RR	90711793	92/84	0-130	21,5/13,5	60/215
160 PT-RR	90721793	92/84	0-120	21,5/13,5	70/215
200 PT-RR	90712193	113/103	0-160	24,5/14,5	65/260
200 PT-RR	90722193	113/103	0-150	24,5/14,5	75/260
250 PT-RR	90712643	135/120	0-190	34/19	90/320
250 PT-RR	90722643	135/120	0-180	34/19	100/320

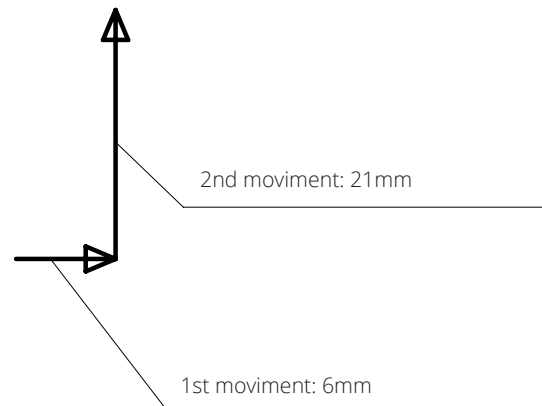
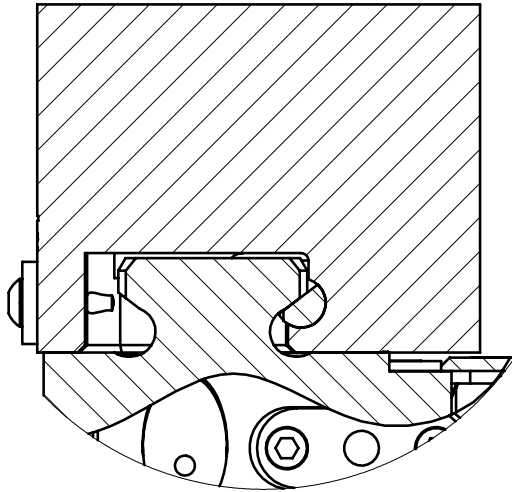
*The Id.n. refers to one single piece

Soft Top Jaws QUICK CHANGE

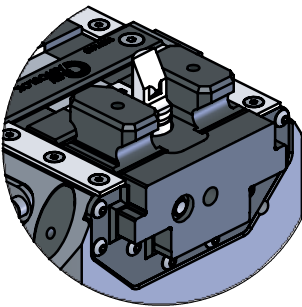
for TWIN VISE PT-RR

1
SPECIAL RR

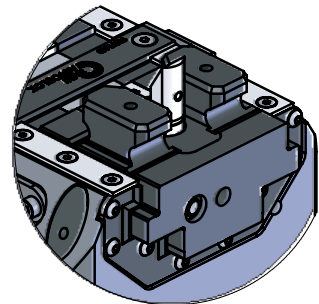
UNLOCK JAW STEP



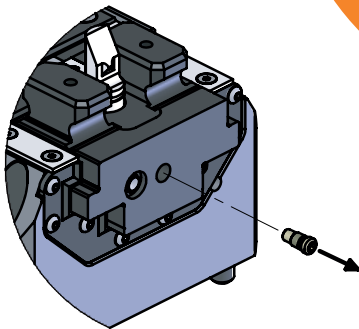
O.D. CLAMPING



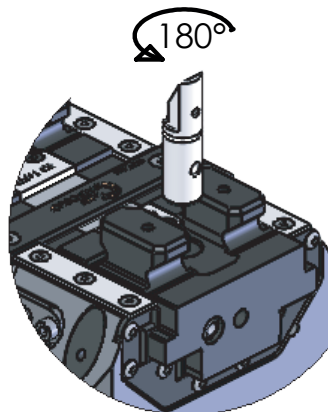
I.D. CLAMPING



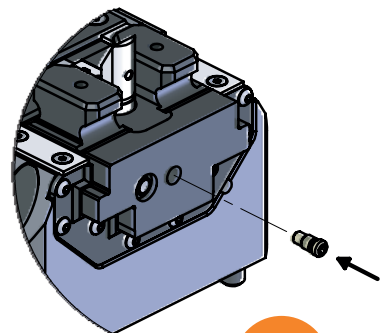
FROM
OD CLAMPING TO
ID CLAMPING
INSTRUCTIONS
AND
VICE VERSA



1



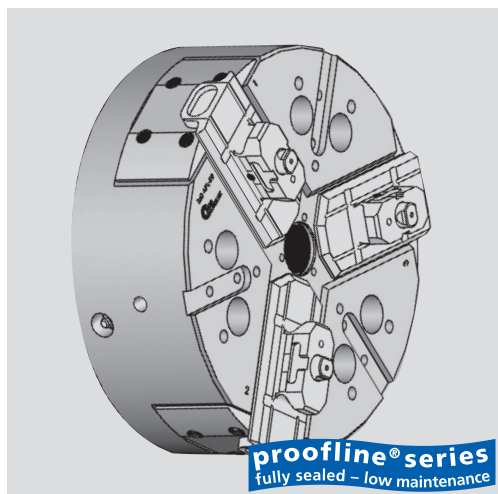
2



3



APL / NTL-



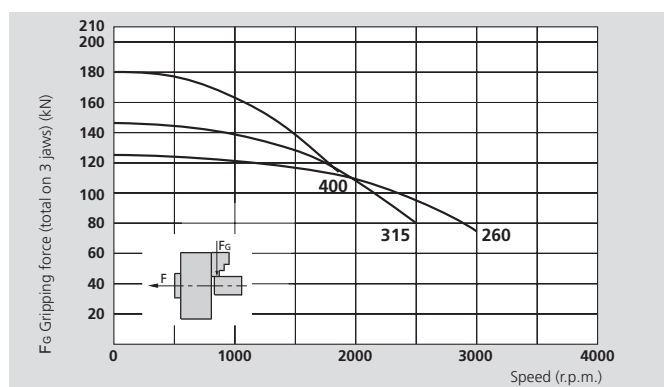
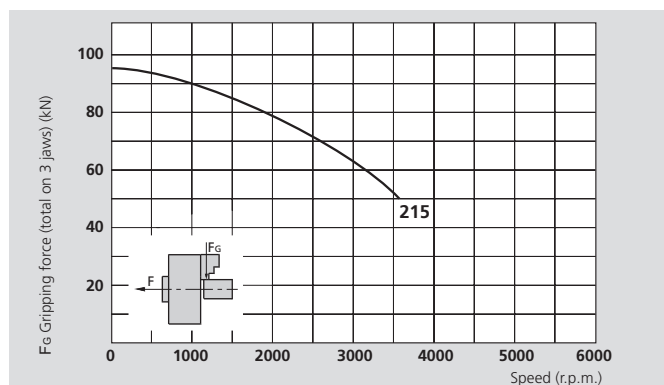
Application

- Sealed chuck with quick jaws change system
- Easy coupling and uncoupling with spring loaded button
- For mid to large batch production
- Safety against accidental release
- Suitable for manual and/or robotic use
- Fully sealed, ideal for dry machining of castings and forgings, or if high pressure coolant is used
- Extra long jaw stroke of clamping and wide range of workpieces clamping with the same serie of jaws
- Available sizes Ø 215-400 and ready for robotized change
- Semifinished pallet and top jaws kit

Technical features

- EXTRA long jaw stroke
- Costant gripping force with permanent grease lubrication
- Center bore for coolant and/or air
- Chuck body and internal parts case hardened
- proofline® chucks = fully sealed - low maintenance

Actual gripping force diagrams

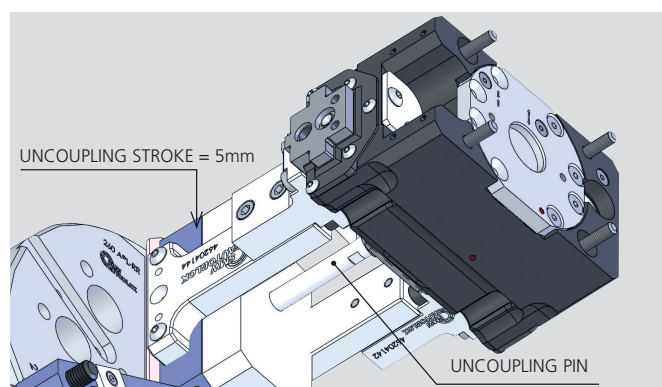


The data in the diagrams refer to 3-jaw chucks, newly maintained according to their service manuals using SMW-AUTOBLOK K67 grease. The static and dynamic gripping forces have been measured using standard soft top jaws.

⚠ Safety advice / danger of damage:

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

Easy jaw change example



Technical data

SMW-AUTOBLOK Type		APL-RR 215	APL-RR 260	APL-RR 315	APL-RR 400
		77189521	77189526	77189531	77189540
Radial jaw stroke	mm	8.5	9.7	12.1	13.3
Axial piston stroke	mm	21	24	30	33
Max. draw pull*	kN	53	68	80	100
Max. gripping force*	kN	95	125	145	180
Max. speed	r.p.m.	3600	3000	2500	1900
Weight (without top jaws)	kg	20	34	55,3	89
Moment of inertia	kg·m ²	0.12	0.31	0.73	1.77
Recommended actuating cylinders		Type	SIN-S 100 / 125	SIN-S 125 / 150	SIN-S 125 / 150
					SIN-S 150 / 175

* For internal clamping reduce the draw pull by 30%.

QUICK JAW CHANGE CHUCKS

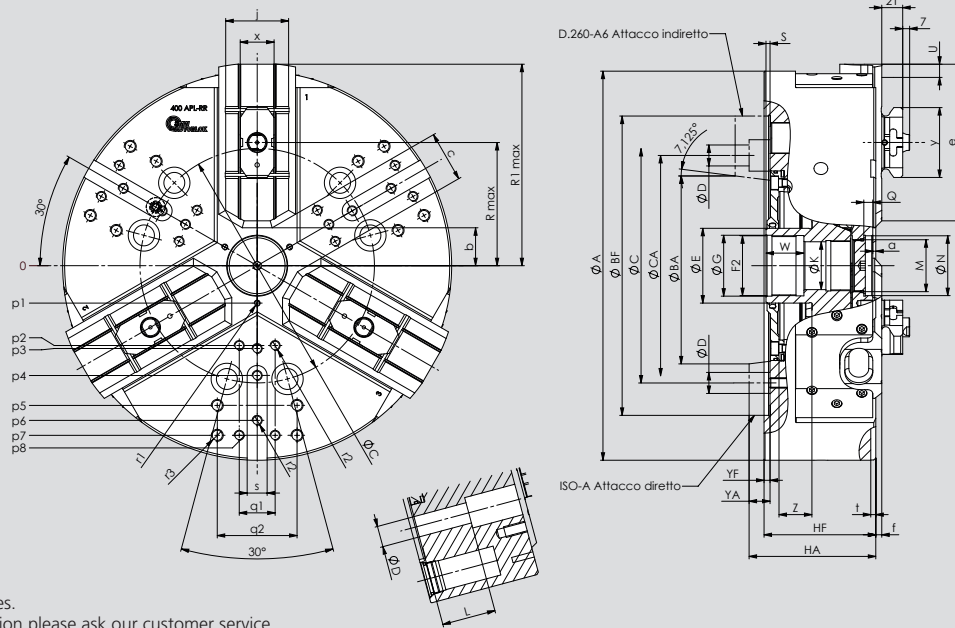
High precision 3 jaw sealed power chucks Ø 215-400 mm

APL-RR

2

LONG STROKE

SPECIAL



Subject to technical changes.
For more detailed information please ask our customer service.

SMW-AUTOBLOK Type			APL-RR 215	APL-RR 260	APL-RR 315	APL-RR 400
ID.No.			77189521	77189526	77189531	77189540
Mounting			Z170*	Z220*	Z220*	Z300*
	A	mm	216	262	315	390
	Bf/BA H6	mm	170	220	220	300
	C	mm	133.4	171.4	171.4	235
	CA	mm	-	-	-	-
	D	mm	13.5	17	17	21
	E	mm	42	48	48	75
	F2	mm	M32 x 1.5	M38 x 1.5	M38 x 1.5	M60 x 1.5
	G H8	mm	33	39	39	61
	Hf/HA	mm	81	92	101	112
	K	mm	20	25	25	48
	L	mm	32	38	38	54
	M	mm	M22 x 1.5	M28 x 1.5	M28 x 1.5	M52 x 1.5
	N H9	mm	24	34	34	60
	Q	mm	5.5	5.5	5.5	9
Chuck open	R1	mm	112.5	136	163.5	202
Max.	R	mm	67	79.5	95.5	123.5
Max. / min.	S	mm	25 / 4	28 / 4	34 / 4	37 / 4
Radial jaw stroke	U	mm	8.5	9.7	12.1	13.3
	W	mm	26	26	26	38
	Yf/YA	mm	5	5	5	6
Max. / min.	Z	mm	21 / 0	24 / 0	30 / 0	33 / 0
	a	mm	3	3	3	3
Min.	b	mm	8.5	9	11	24.5
Min.	c	mm	6.2	6	6	28
	e	mm	87	107	129	150
	f	mm	3	3	3	6
	j	mm	46	48	58	63
	x	mm	24	28	28	34
	y	mm	50	58	64	70
	p1	mm	16	21	21	37.5
	p2	mm	-	-	60	80
	p3	mm	49	55	62.5	83
	p4	mm	80	70	80	110
	p5	mm	80	102	102	140
	p6	mm	-	102	120	155
	p7	mm	-	-	135	170
	p8	mm	-	-	-	170
	q1	mm	-	-	30	36
	q2	mm	45	60	60	80
	r1	mm	M5 / 8	M6 / 10	M6 / 10	M6 / 12
	r2	mm	M8 / 17	M8 / 17	M8 / 17	M10 / 19
	r3	mm	M8 / 17	M10 / 19	M10 / 19	M12 / 22
	s	mm	16	16	16	20
	t	mm	5	5	5	5

* see the chuck flanges explained on Turning Catalog

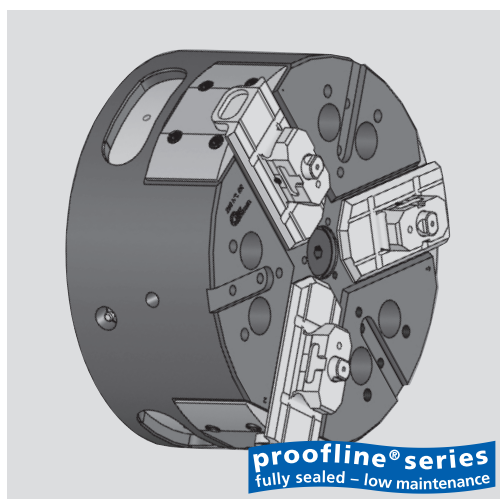
NTL-RR

LONG STROKE

QUICK JAW CHANGE CHUCKS

High precision 3 jaw sealed power chucks Ø 260-400 mm

- centrifugal force compensation for high speed



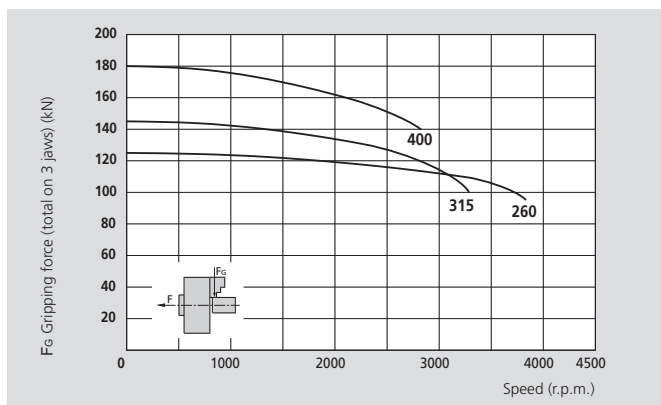
Application

- Sealed chuck with quick jaws change system
- Easy coupling and uncoupling with spring loaded button
- For medium and large batch production
- Safety against accidental release
- Suitable for manual and/or robotic use
- For mid to large batch production
- Safe clamping through centrifugal force compensation, even of deformation workpieces
- Fully sealed, ideal for dry machining of castings and forgings, or if high pressure coolant is used

Technical features

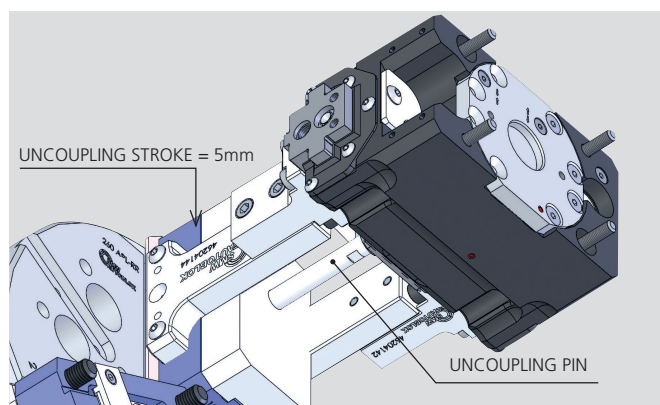
- EXTRA long jaw stroke
- Centrifugal force compensation via counterweights
- Constant gripping force with permanent grease lubrication
- Center bore for coolant and/or air
- Chuck body and internal parts case hardened
- proofline® chucks = fully sealed - low maintenance

Actual gripping force diagram



The data in the diagram refer to 3-jaw chucks, newly maintained according to their service manuals using SMW-AUTOBLOK K67 grease. The static and dynamic gripping forces have been measured using standard soft top jaws.

Easy jaw change example



⚠ Safety advice / danger of damage:

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

Technical data

SMW-AUTOBLOK Type		NTL-RR 260	NTL-RR 315	NTL-RR 400
ID.No. NTL-RR		77189626	77189631	77189640
Number of jaws		3	3	3
Radial jaw stroke	mm	9	11	12
Axial piston stroke	mm	22.3	27.3	30
Max. draw pull*	kN	68	80	100
Max. gripping force*	kN	125	145	180
Max. speed	r.p.m.	3700	3300	2800
Weight (without top jaws)	kg	43,1	67,8	117
Moment of inertia	kg·m ²	0.39	0.89	2.33

Recommended actuating cylinders	Type	SIN-S 125 / 150	SIN-S 125 / 150	SIN-S 150 / 175
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* For internal clamping reduce the draw pull by 30%.

High precision 3 jaw sealed power chucks Ø 260-400 mm

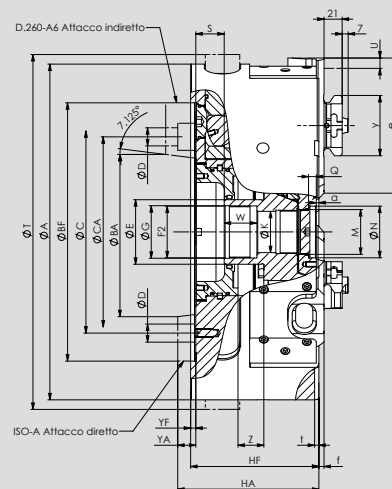
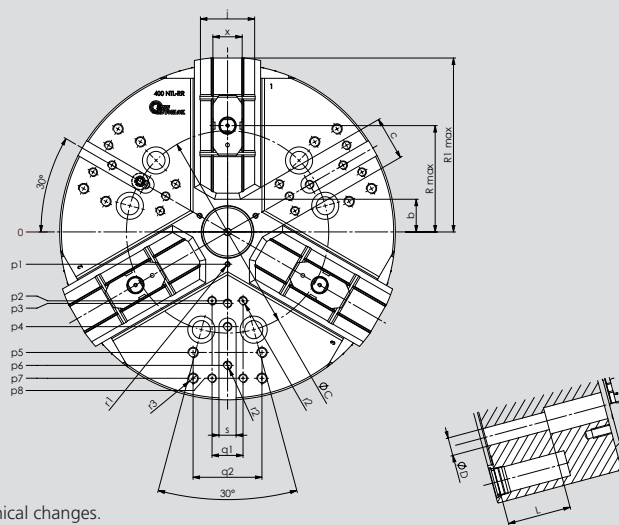
- centrifugal force compensation for high speed

NTL-RR

2

LONG STROKE

SPECIAL

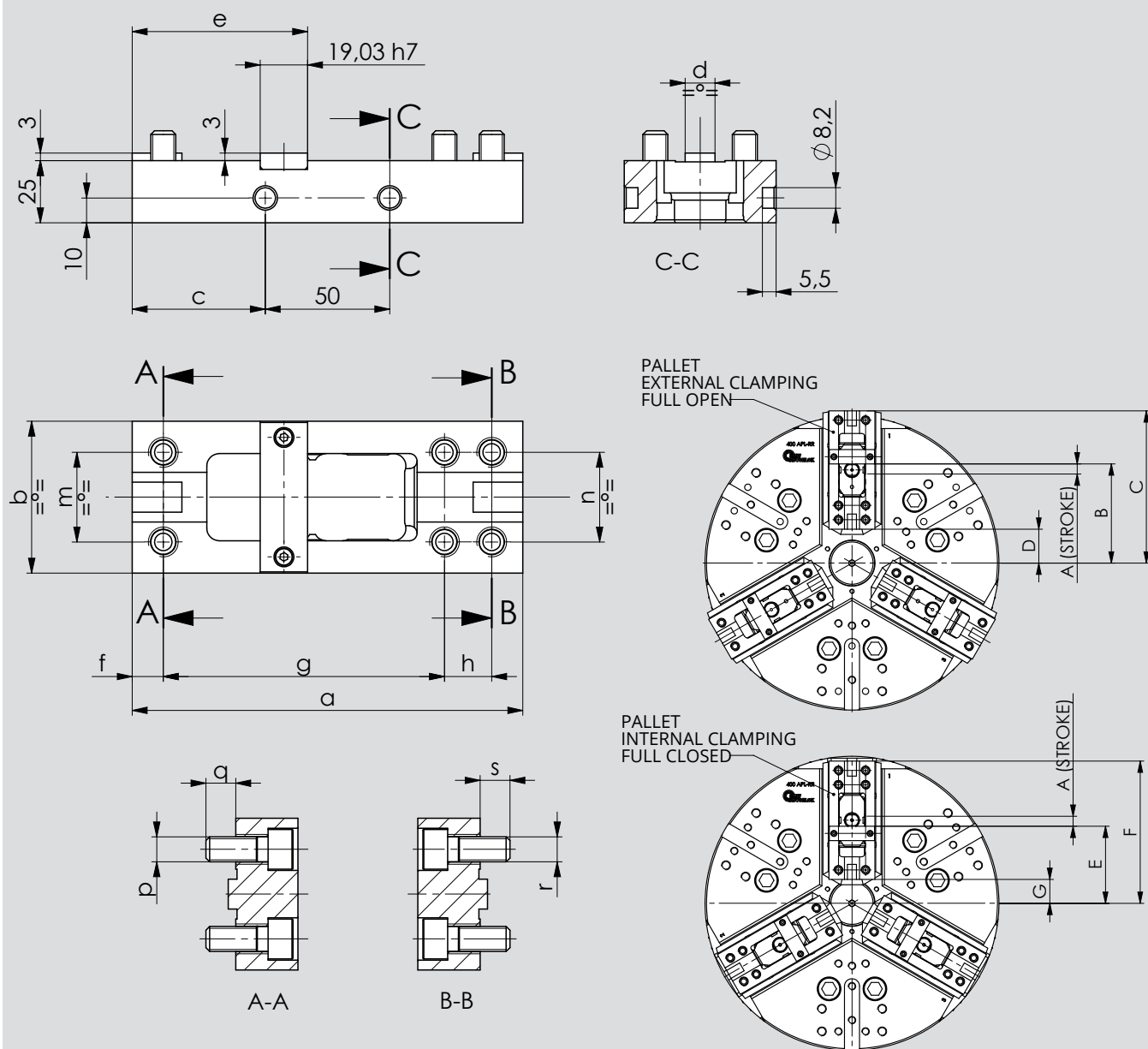


Subject to technical changes.
For more detailed information please ask our customer service.

SMW-AUTOBLOK Type			NTL-RR 260	NTL-RR 315	NTL-RR 400
ID.No. NTL-RR			77189626	77189631	77189640
Mounting			Z220*	Z220*	Z300*
	A	mm	262	315	390
	Bf/BA H6	mm	220	220	300
	C	mm	171.4	171.4	235
	CA	mm	-	-	-
	D	mm	17	17	21
	E	mm	48	48	75
	F2	mm	M38 x 1.5	M38 x 1.5	M60 x 1.5
	G H8	mm	39	39	61
	Hf/HA	mm	118	125	149
	K	mm	25	25	48
	L	mm	58	58	74
	M	mm	M28 x 1.5	M28 x 1.5	M52 x 1.5
	N H9	mm	34	34	60
	Q	mm	5.5	5.5	9
	R	mm	79.5	95.5	123.5
Chuck open	R1	mm	136	163.6	202
Max. / min.	S	mm	22 / -0.3	20 / -7.3	33 / 3
Chuck fully closed	T	mm	275	328	412
Radial jaw stroke	U	mm	9	11	12
	W	mm	26	26	38
	Yf/YA	mm	5	5	6
Max. / min.	Z	mm	22.3 / 0	27.3 / 0	30 / 0
	a	mm	3	3	3
Min.	b	mm	10	12	26
Min.	c	mm	7.4	7.9	30
	e	mm	110	134	154
	f	mm	3	3	6
	j	mm	48	58	63
	x	mm	28	28	34
	y	mm	58	64	70
	p1	mm	21	21	37.5
	p2	mm	-	60	80
	p3	mm	55	62.5	83
	p4	mm	70	80	110
	p5	mm	102	102	140
	p6	mm	102	120	155
	p7	mm	-	135	170
	p8	mm	-	-	170
	q1	mm	-	30	36
	q2	mm	60	60	80
	r1	mm	M6 / 10	M6 / 10	M6 / 12
	r2	mm	M8 / 17	M8 / 17	M10 / 19
	r3	mm	M10 / 19	M10 / 19	M12 / 22
	s	mm	16	16	20
	t	mm	5	5	5

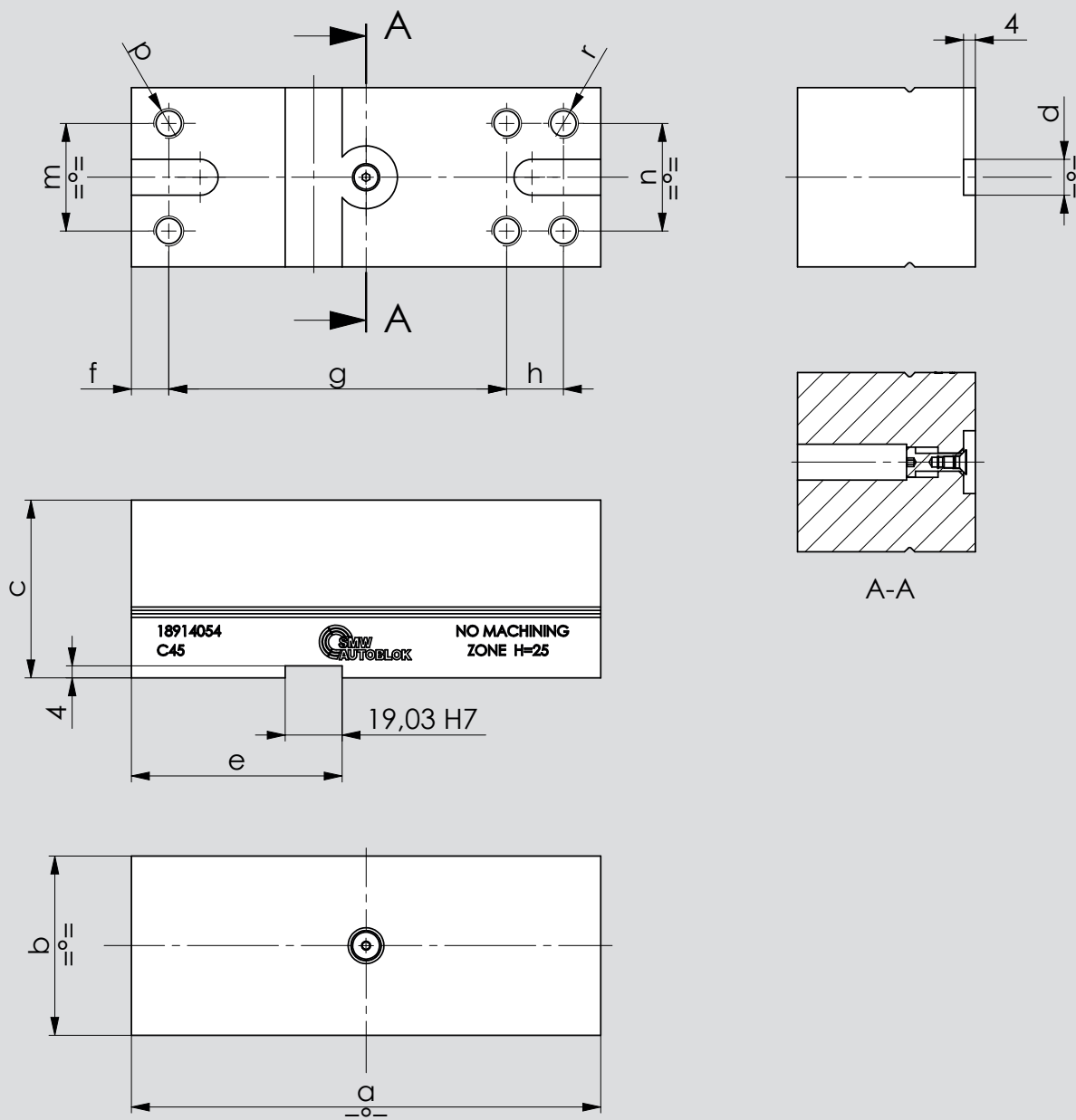
* see the chuck flanges explained on Turning Catalog

PALLET



Subject to technical changes.
For more detailed information please ask our customer service.

Model		215	260	315	400		A	B	C	D	E	F	G
ID.No.		18762154	18762654	18763154	18764054								
a	mm	91	113	136	157	215 APL-RR	8,5	71,7	112,4	21,4	53,7	104	13
b	mm	46	51	54	61	260 APL-RR	9,7	86	136	23	63,3	126,3	13,3
c	mm	20,5	31,5	43	53,5								
d (H7)	mm	8	12	12	12	315 APL-RR	12,1	102	163,5	27,5	76,9	151,4	15,4
e	mm	40,7	50	61,5	70,5	400 APL-RR	13,3	131,5	202	45	102,2	188,7	31,7
f	mm	8,5	10,5	14	12,5								
g	mm	72	90	108	113								
h	mm	x	x	x	19		A	B	C	D	E	F	G
m	mm	26	30	30	36	260 NTL-RR	9	86	136	23	64	127	14
n	mm	26	30	30	36								
p	mm	M6	M10	M10	M10	315 NTL-RR	11	102	163,5	27,5	78	152,5	16,5
q	mm	12	12	12	12								
r	mm	M8	M10	M10	M10	400 NTL-RR	12	131,5	202	45	103,4	189,9	32,9
s	mm	14	12	12	12								

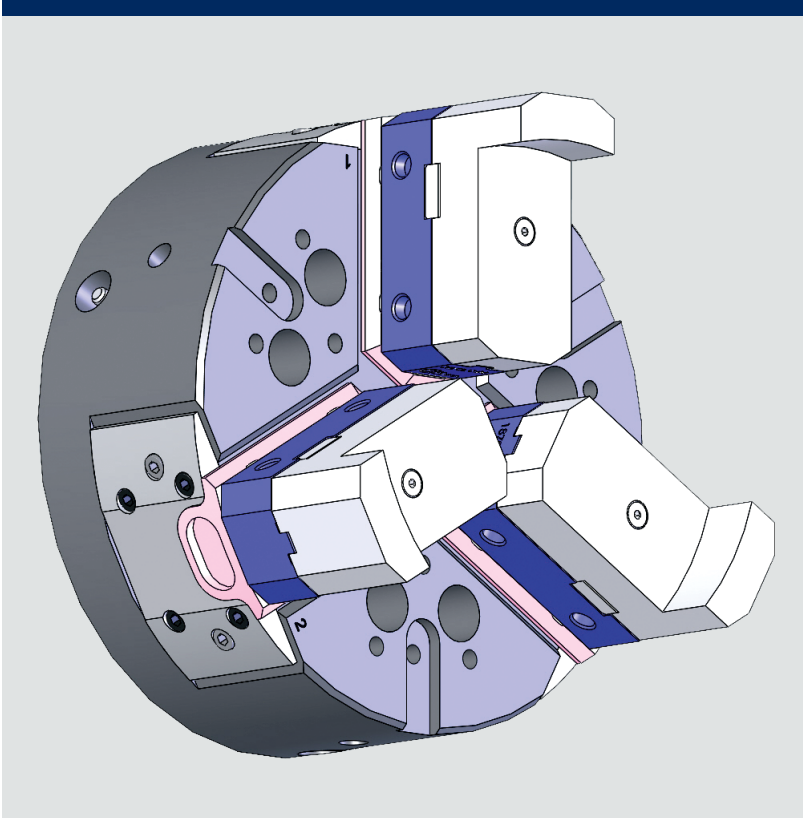


Subject to technical changes.
For more detailed information please ask our customer service.

SMW-AUTOBLOK Model		APL-RR 215	APL-RR 260	APL-RR 315	APL-RR 400
C45		18912154	18912654	18913154	18914054
a	mm	91	113	136	157
b	mm	45	50	50	60
c	mm	44,5	49,5	49,5	59,5
d (H7)	mm	8	12	12	12
e	mm	40,7	50	61,5	70,5
f	mm	8,5	10,5	14	12,5
g	mm	72	90	108	113
h	mm	x	x	x	19
m	mm	26	30	30	36
n	mm	26	30	30	36
p	mm	M6x14	M10x14	M10x14	M10x14
r	mm	M8x16	M10x14	M10x14	M10x14

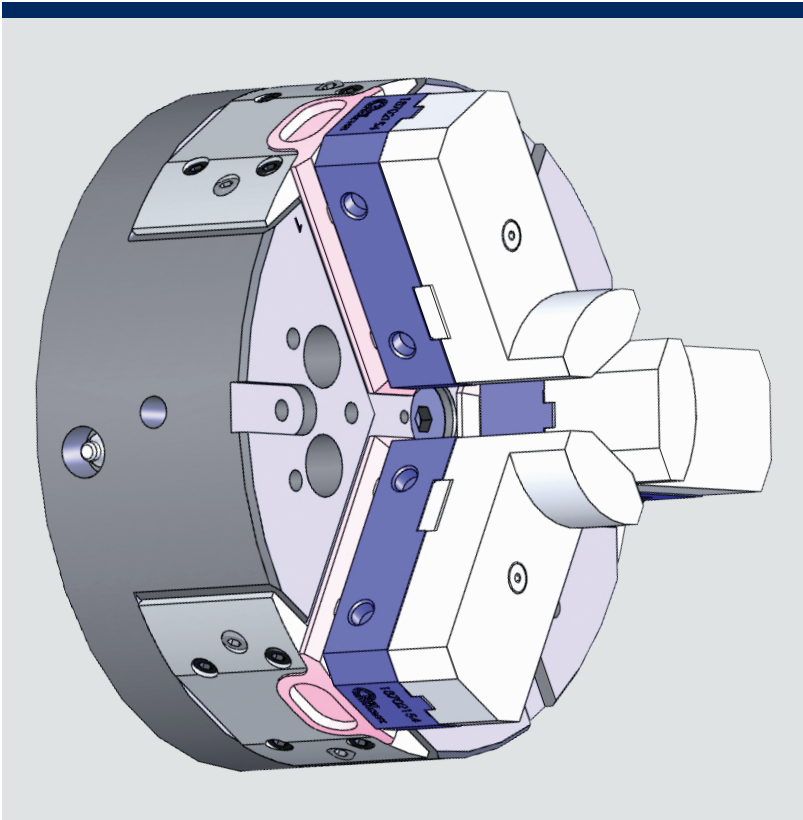
APL / NTL-RR

O.D. - I.D. Clamping Top Jaw



MAX O.D. CLAMPING

MAX RECOMMENDED OD CLAMPING DIAMETER (mm)			
APL-RR 215	APL-RR 260 NTL-RR 260	APL-RR 315 NTL-RR 315	APL-RR 400 NTL-RR 400
185	225	270	340



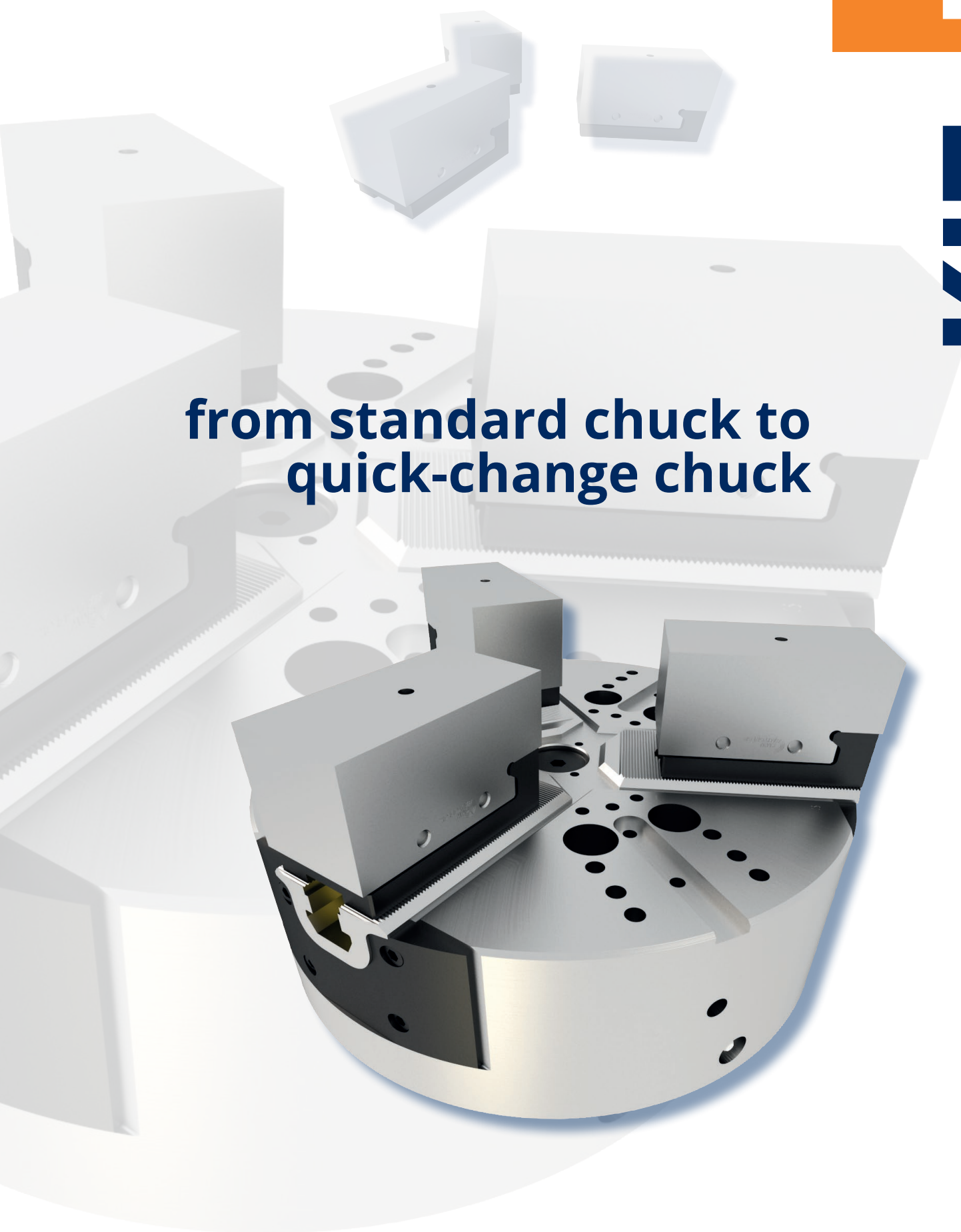
MIN I.D. CLAMPING

MAX RECOMMENDED ID CLAMPING DIAMETER (mm)			
APL-RR 215	APL-RR 260 NTL-RR 260	APL-RR 315 NTL-RR 315	APL-RR 400 NTL-RR 400
75	80	95	135



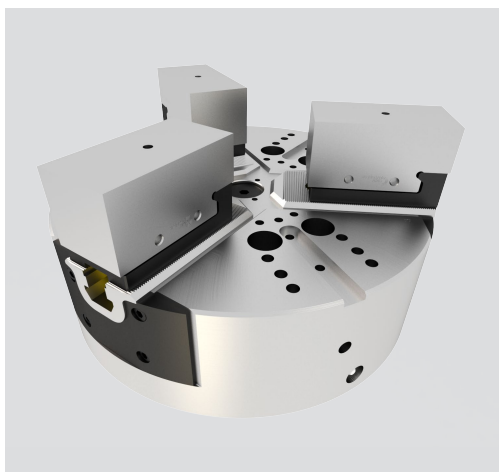
KIT-

**from standard chuck to
quick-change chuck**



RR kit

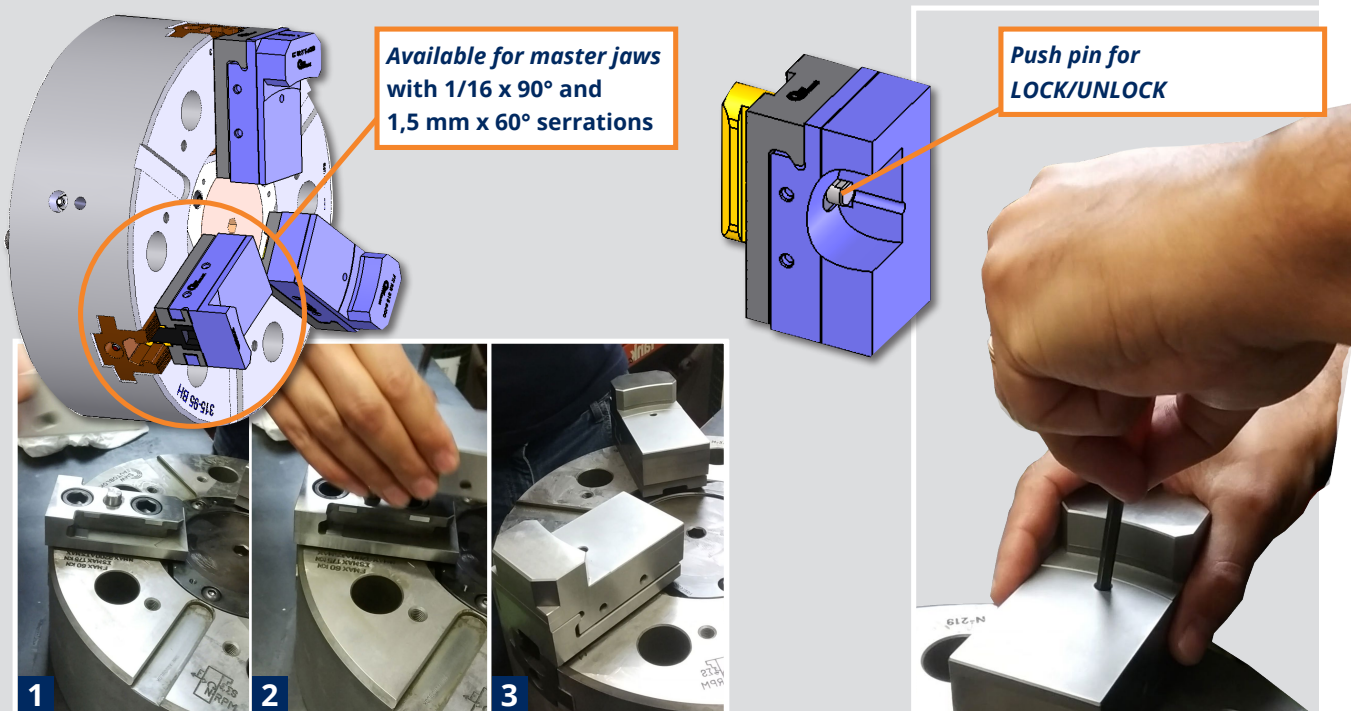
**RR System to convert standard chuck
in quick jaw change chuck Ø 210-400**



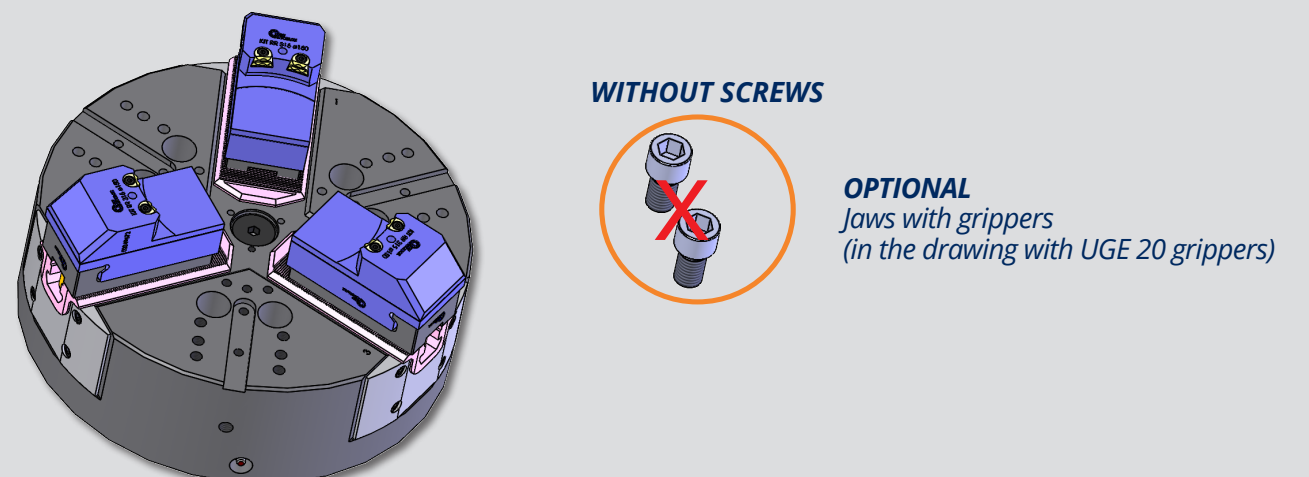
Application/customer benefits

- Converts a standard chuck into a quick jaw change chuck
- Available sizes Ø 210-400
- Easy coupling and uncoupling with spring loaded button
- Safety against accidental release
- Suitable for manual and/or robotic use
- Ready for robotized change
- Semifinished pallet and top jaws kit

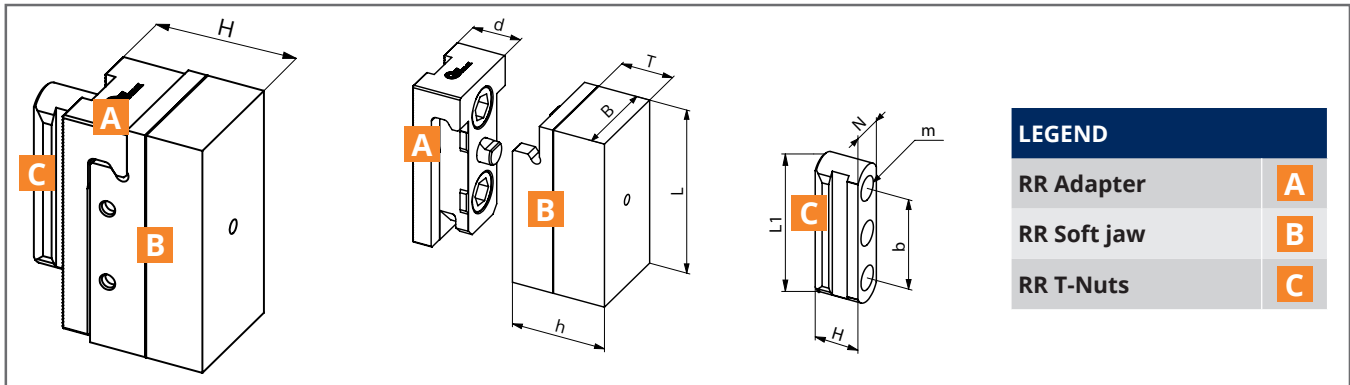
Operation



Fast quick change without screws



RR System to convert SMW-Autoblok standard chuck in quick jaw change chuck Ø 210-400



LEGEND

RR Adapter	A
RR Soft jaw	B
RR T-Nuts	C

RR ADAPTERS A

Chuck Type	Chuck Size	ID.No*	INCH serration 1/16x90°	METRIC serration 1,5mmx60°	d	A + B	
						H	Weight Kg
BH-D AP-D NT-D	210-215	18932110	•		22	55	0,73
BH-M AP-M NT-M	210-215	18932113		•	22	55	0,73
BH-D	250	18932510	•		27	62	1,65
BH-M	250	18932513		•	27	62	1,65
AP-D NT-D	260	18932610	•		27	62	1,65
AP-M NT-M	260	18932613		•	27	62	1,65
BH-D AP-D NT-D	315	18933110	•		30	71	2,8
BH-M AP-M NT-M	315	18933113		•	30	71	2,8
BH-D AP-D NT-D	400	18934010	•		30	74	4,3
BH-M AP-M NT-M	400	18934013		•	30	74	4,3

RR SOFT TOP JAWS B

ID.No (1 jaw)	B	h	L	T	Weight Kg
18042110	40	48	70	-	0,8
18042110	40	48	70	-	0,8
18042610	45	49	87	28	1,2
18042610	45	49	87	28	1,2
18042610	45	49	87	28	1,2
18042610	45	49	87	28	1,2
18043110	54	58	106	32	2
18043110	54	58	106	32	2
18044010	61	61	135	25	3,2
18044010	61	61	135	25	3,2

*The code refers to 1 RR adapter complete with T-NUTS C

RR T-NUTS C

Chuck Type	ID.No (1 T-Nut)	Chuck Size	N	H	b	L1	m
BH-D/M AP-D/M NT-D/M	18462110	210-215	17	20,5	34	54	M10
BH-D / BH-M	18462510	250	21	26,5	37	59	M12
AP-D/M NT-D/M	18462610	260	17	20,5	37	59	M12
BH-D/M AP-D/M NT-D/M	18463110	315	21	26,5	55	83	M16
BH-D/M AP-D/M NT-D/M	18464010	400	21	33	68	92	M16

ATTENTION!

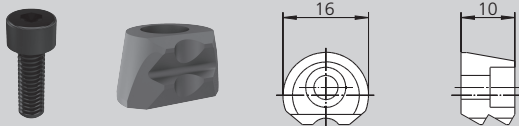
WHEN THE RR KIT IS MOUNTED ON THE CHUCK MUST REDUCE THE CHUCK WORKING PARAMETERS OF 20%.

PLS, READ THE CHUCK MANUAL INSTRUCTIONS TO KNOW THE MAX RPM.

It's possible to use many types of carbide inserts, see Turning catalog SMW-autoblok for details. Some examples

UGE 20 Cod. 087414

Hardened Steel



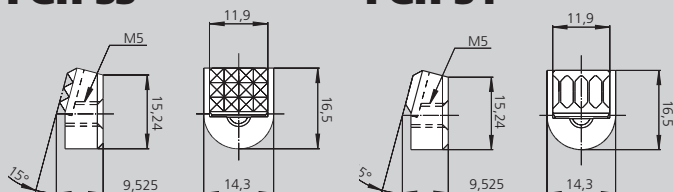
The gripper with the unique shape:

- Top mounting of bolt
- Pull-down effect by wedge shape design
- Can be used fixed or swivelling
- Gripper seat: Milling, drilling and tapping can easily be machined with the inclined milling tool (033611)
- No hardening of jaws necessary
- For external or internal clamping
- Head socket screw M4 x 12 ISO 4762, Id. No. 010145

FGH 33 Cod. 71400133

FGH 34 Cod. 71400134

Inclined grippers with pull-down effect:



- For external clamping
- Very short and forward-positioned clamping area
- Rear mounting of bolts
- Inclined gripper seat are easy to be machined
- For high production hardening of gripper seat is recommended

RR kit

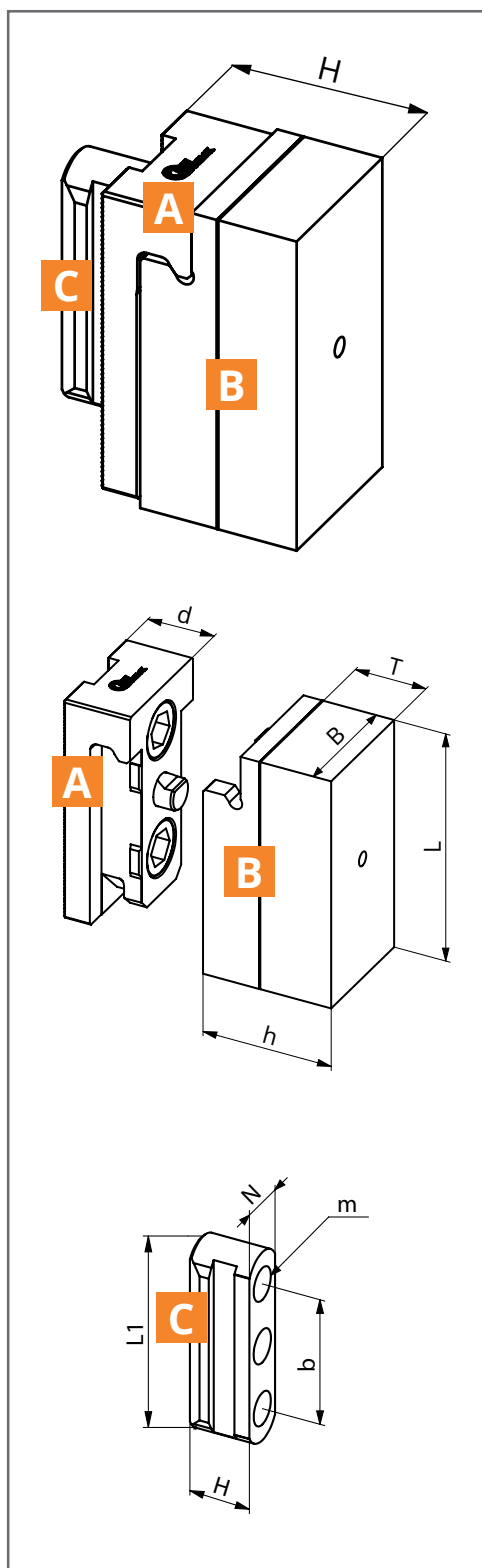
can be mounted on all existing power chucks

For power chucks:

KITAGAWA

For power chucks:

SAMCHULLY



RR ADAPTERS A

Chuck Type Kitagawa	Chuck Type Samchully	Chuck Size	ID.No.*	METRIC serration 1,5 mm x 60°	d	A + B	
						H	Weight Kg
B/BB/BL208	HS/MH08	210	18932119	•	22	55	0,73
B/BB/BL210	HS/MH10	254	18932519	•	27	62	1,65
B/BL212	HS/MH12	304	18933119	•	30	71	2,8
B15	HCH15	381	18934019	•	30	74	4,3

*The code refers to 1 RR adapter complete with T-Nuts C

RR SOFT TOP JAW B

Chuck Type Kitagawa	Chuck Type Samchully	ID.No. (1 jaw)	B	h	L	T	Weight Kg
B/BB/BL208	HS/MH08	18042110	40	48	70	-	0,8
B/BB/BL210	HS/MH10	18042610	45	49	87	28	1,2
B/BL212	HS/MH12	18043110	54	58	106	32	2
B15	HCH15	18044010	61	61	135	25	3,2

RR T-NUTS C

Chuck Type Kitagawa	Chuck Type Samchully	Chuck Size	ID.No. (1 T-Nuts)	N	H	b	L1	m
B/BB/BL208	HS/MH08	210-215	18462119	17	20,5	34	54	M10
B/BB/BL210	HS/MH10	254	18462519	17	21,5	37	59	M12
B/BL212	HS/MH12	304	18463119	21	27,75	55	83	M16
B15	HCH15	381	18464019	21	45,5	68	92	M16

list in page order

ID.No.	DESCRIPTION	PAG.
77905617	Twin Vise 160 PTP-L-RR	5
77905621	Twin Vise 200 PTP-L-RR	5
77906117	Twin Vise 160 PTH-L-RR	7
77906121	Twin Vise 200 PTH-L-RR	7
77906126	Twin Vise 250 PTH-L-RR	7
90711793	Top jaws for 160 PT-RR	8
90721793	Top jaws for 160 PT-RR	8
90712193	Top jaws for 200 PT-RR	8
90722193	Top jaws for 200 PT-RR	8
90712643	Top jaws for 250 PT-RR	8
90722643	Top jaws for 250 PT-RR	8
77189521	POWER CHUCK 215 APL-RR 3GR FL SM	12
77189526	POWER CHUCK 260 APL-RR 3GR FL SM	12
77189531	POWER CHUCK 315 APL-RR 3GR FL SM	12
77189540	POWER CHUCK 400 APL-RR 3GR FL SM	12
77189626	POWER CHUCK 260 NTL-RR 3GR FL SM	14
77189631	POWER CHUCK 315 NTL-RR 3GR FL SM	14
77189640	POWER CHUCK 400 NTL-RR 3GR FL SM	14
18762154	RR POWER CHUK PALLET 215 APL-RR	16
18762654	RR POWER CHUK PALLET 260 APL/NTL-RR	16
18763154	RR POWER CHUK PALLET 315 APL/NTL-RR	16
18764054	RR POWER CHUK PALLET 400 APL/NTL-RR	16
18912154	SOFT TOP JAWS C45 215 APL-RR	17
18912654	SOFT TOP JAWS C45 260 APL/NTL-RR	17
18913154	SOFT TOP JAWS C45 315 APL/NTL-RR	17
18914054	SOFT TOP JAWS C45 400 APL/NTL-RR	17
18932110	RR ADAPTERS 210-215	21
18932113	RR ADAPTERS 210-215	21
18932510	RR ADAPTERS / 250	21
18932513	RR ADAPTERS / 250	21
18932610	RR ADAPTERS / 260	21
18932613	RR ADAPTERS / 260	21
18933110	RR ADAPTERS / 315	21
18933113	RR ADAPTERS / 315	21
18934010	RR ADAPTERS / 400	21
18934013	RR ADAPTERS / 400	21
18042110	RR SOFT TOP JAWS	21
18042610	RR SOFT TOP JAWS	21
18043110	RR SOFT TOP JAWS	21
18044010	RR SOFT TOP JAWS	21
18462110	RR T-NUTS / 210-215	21
18462510	RR T-NUTS / 250	21
18462610	RR T-NUTS / 260	21
18463110	RR T-NUTS / 315	21
18464010	RR T-NUTS / 400	21
18932119	RR ADAPTERS / 210 for Chuck Kitagawa/Samchully	22
18932519	RR ADAPTERS / 254 for Chuck Kitagawa/Samchully	22
18933119	RR ADAPTERS / 304 for Chuck Kitagawa/Samchully	22
18934019	RR ADAPTERS / 381 for Chuck Kitagawa/Samchully	22
18042110	RR SOFT TOP JAWS for Chuck Kitagawa/Samchully	22
18042610	RR SOFT TOP JAWS for Chuck Kitagawa/Samchully	22
18043110	RR SOFT TOP JAWS for Chuck Kitagawa/Samchully	22
18044010	RR SOFT TOP JAWS for Chuck Kitagawa/Samchully	22
18462119	RR T-NUTS / 210-215 for Chuck Kitagawa/Samchully	22
18462519	RR T-NUTS / 254 for Chuck Kitagawa/Samchully	22
18463119	RR T-NUTS / 304 for Chuck Kitagawa/Samchully	22
18464019	RR T-NUTS / 381 for Chuck Kitagawa/Samchully	22



HEADQUARTERS



AUTOBLOK s.p.a.

Via Duca D'Aosta n.24
10040 Caprie - Torino ITALY
Tel. +39 011 - 9638411 Fax +39 011 - 9632288
E-mail: info@smwautoblok.it

AUTOBLOK s.p.a. PETACCIATO Production Unit
CUSTOMER APPLICATIONS FOR STATIC CLAMPING
Z.I. P.zza Alessandro Volta, snc - I- 86038 Petacciato (CB)
Tel. +39 0875 670001



SMW-AUTOBLOK Spannsysteme GmbH

Postfach 1151 • D-88070 Meckenbeuren
Wiesentalstraße 28 • D-88074 Meckenbeuren
Tel. +49 (0) 7542 - 405 - 0
Vertrieb Inland: Fax +49 (0) 7542 - 3886
E-mail: vertrieb@smw-autoblok.de
Sales International: Fax: +49 (0) 7542 - 405 - 181
E-mail: sales@smw-autoblok.de



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