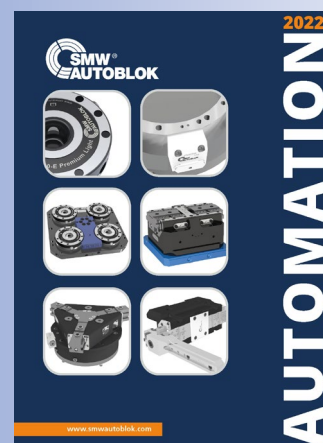


0 Automation

Page 5



1 Rotary Plate

Page 13



2 AT-PM

Page <?>



Automation



Page

6

APS

FEATURES AND ACCESSORIES



Page

7

MODULE HEIGHT EXTENSION ONE APS

WITH OR WITHOUT FEEDINGS



Page

7

CLAMPING UNIT FOR MULTIPLE APS

WITH OR WITHOUT FEEDINGS



Pagina

8

ONE APS PALLET

POSSIBLE CONFIGURATIONS



Page

8

MULTIPLE CLAMPING PALLET

POSSIBLE CONFIGURATIONS



Page

9

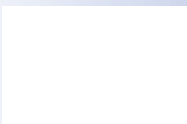
VISES



Page

11

STORAGE



Page

11

LOADING STATION

APS
APS for external mounting

Type	Diam.	Description	Id.No.	Euro
APS 100 E PREMIUM	100		460005	€
APS 100 E BASIC	100		460007	€
APS 140 E BASIC	140		460001	€
APS 140 E PREMIUM LIGHT	140		460003	€
APS 140 E PREMIUM SC	140		460002	€
APS 140 E PREMIUM LIGHT SC	140		46162540	€
APS 140 I PREMIUM LIGHT	140		46162480	€
APS 140 E Ve SC	140		46165500	€
APS 160 E SC PREMIUM LIGHT	160		46165700	€
APS 190 E PREMIUM SC OTT-D16,5	190		46165640	€
APS 190 E PREMIUM SC 6S	190		46162650	€
APS 250 E SC PREMIUM	250		46165030	€

PIN
PINS - 100APS

Type	Diam.	Description	Id.No.	Euro
PIN A M8 100 APS	100		46162155	€
PIN B M8 100 APS	100		46162156	€
PIN C M8 100 APS	100		46162157	€

PINS - 140APS

Type	Diam.	Description	Id.No.	Euro
PIN A M12 140 APS	140		46162355	€
PIN B M12 140 APS	140		46162356	€
PIN C M12 140 APS	140		46162357	€
PIN A M16 140 APS	140		46162455	€
PIN B M16 140 APS	140		46162456	€
PIN C M16 140 APS	140		46162457	€

PINS - 160APS

Type	Diam.	Description	Id.No.	Euro
PIN A D17 160 APS	160		46165705	€
PIN B D17 160 APS	160		46165706	€
PIN C D17 160 APS	160		46165707	€
PIN A M16 160 APS	160		46165715	€
PIN B M16 160 APS	160		46165716	€
PIN C M16 160 APS	160		46165717	€

PINS - 190APS

Type	Diam.	Description	Id.No.	Euro
PIN A PB42 190 APS	190		46162605	€
PIN A PB30 190 APS	190		46162608	€
PIN A M16 190 APS	190		46162615	€
PIN B M16 190 APS	190		46162616	€
PIN C M16 190 APS	190		46162617	€

PINS - 250APS

Type	Diam.	Description	Id.No.	Euro
PIN A 15XM8 PB82 APS 250	250		46165005	€
PIN A 6XM12 PB60 APS 250	250		46165105	€

FLOATING PINS

Type	Diam.	Description	Id.No.	Euro
FLOATING PIN C M12 140 APS	140		46162360	€
FLOATING PIN C M10 140 APS	140		46162370	€
FLOATING PIN C M16 160 APS	160		46165720	€
FLOATING PIN C M12 160 APS	160		46165725	€
CENTERIN PIN A D25 190 APS	190		46162635	€

COVER
MAGNET PROTECTION COVER for APS

Type	Diam.	Description	Id.No.	Euro
APS PREMIUM	100		460030	€
APS BASIC	140		460031	€
APS PREMIUM	140		46162345	€
APS BASIC	160		46165730	€
APS PREMIUM	190		46162625	€
APS PREMIUM	250		46165033	€

Price list 2022

Currency in Euro [€]



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KEY Kit

Type	Diam.	Description	Id.No.	Euro
KEY KIT FOR APS 100	100		46162133	€
KEY KIT FOR APS 140 E - APS 190 E	140		46162333	€
KEY KIT SMF 12,5 APS 140 E - APS 190 E	140		46162335	€

MODULE HEIGHT EXTENSION

Type	Diam.	Description	Id.No.	Euro
APS 100 PREMIUM H65	100		460110	€
APS 140 PREMIUM H60	140		460112	€
APS 140 PREMIUM H80	140		460113	€
APS 140 PREMIUM H120	140		460114	€
APS 140 PREMIUM H180	140		460115	€
APS 190 PREMIUM H100	190		460111	€
MODULE HEIGHT EXTENSION GROUP	250	APS 190 5AX N.6 FEEDINGS H95	46203000	€

MHE**MODULE HEIGHT EXTENSION + SAB-1**

Type	Diam.	Description	Id.No.	Euro
APS 140 E PREMIUM H100+SAB-1	140		46203030	€
APS 140 E PREMIUM H76+SAB-1	140	MOUNT Ø130	46203040	€
APS 190 E PREMIUM H100+SAB-1	190		46203020	€
APS 190 E PREMIUM H76+SAB-1	190	MOUNT Ø130	41702150	€

**MHE+
SAB-1****SAB-1 SAFETY VALVE**

Type			Id.No.	Euro
SAB-1 SAFETY VALVE			27581810	€

SAB-1**PNEUMATIC GUN WITH STEEL NOZZLE**

Type			Id.No.	Euro
PNEUMATIC GUN			41702140	€

P.GUN**T-NUTS**

Type	Diam.	Description	Id.No.	Euro
SET 9-T-NUTS T-SLOT 12	12	12-M10 FOR PLATE 4 APS 140 + SCREWS	46204100	€
SET 9-T-NUTS T-SLOT 14	14	12-M10 FOR PLATE 4 APS 140 + SCREWS	46204101	€
SET 9-T-NUTS T-SLOT 18	18	12-M10 FOR PLATE 4 APS 140 + SCREWS	46204102	€
SET 8-T-NUTS T-SLOT 12	12	12-M10 FOR M.H.EXTEN.ONE APS + SCREWS	46204103	€
SET 8-T-NUTS T-SLOT 14	14	12-M10 FOR M.H.EXTEN.ONE APS + SCREWS	46204104	€
SET 8-T-NUTS T-SLOT 18	18	12-M10 FOR M.H.EXTEN.ONE APS + SCREWS	46204105	€

T-NUTS**CLAMPING UNIT**

Type	Diam.	Description	Id.No.	Euro
4 APS140 BASIC	140		46202200	€
2 APS140 BASIC	140		46202210	€
2 APS140 E PREMIUM LIGHT	140		460020	€
2 APS140 E BASIC	140		460021	€
4 APS140 E PREMIUM LIGHT	140		460022	€
4 APS140 E BASIC	140		460023	€
6 APS140 E BASIC	140		46186672	€
6 APS140 E PREMIUM LIGHT	140		46186674	€
4 APS140 E PREMIUM LIGHT SC	140		46202220	€
2 APS140 E PREMIUM LIGHT SC	140		46202230	€
4 APS140 E PREMIUM LIGHT SC FOR 5AX	140		46202000	€

C.UNIT**MEDIA FEED**

Type	Diam.	Description	Id.No.	Euro
PREPARED FOR N.6 MALE COUPLERS	140	WITH 4APS140 3AX	46202041	€
PREPARED FOR N.6 MALE COUPLERS	140	WITH 2APS140 3AX	46202042	€
WITH 4 SEAT MALE COUPLERS	140		46202026	€
MALE COUPLER			71718106	
FEMALE COUPLER			71718105	

**MEDIA
FEED**

KEY	MULTISLOT				
	Type	Diam.	Description	Id.No.	Euro
	MULTISLOT OPTIONAL KEY 12-22 D16			71290181	€
	MULTISLOT OPTIONAL KEY 14-16-18 D16			71290182	€
	MULTISLOT OPTIONAL KEY 10-20 D16			71290183	€
	MULTISLOT OPTIONAL KEY 24-28-32 D20			71290184	€
R.SMF PALLET	ROUND SEMIFINISHED PALLET				
	Type	Diam.	Description	Id.No.	Euro
	APS100 D125H25	125		46200000	€
	APS140 D160H25	160		46200005	€
	APS140 D202H25	202		46200010	€
	APS190 D202H25	202		46200015	€
	APS190 D250H25	250		46200020	€
PALLET SGSF	PALLET FOR CHUCKS DIN6350				
	Type	Diam.	Description	Id.No.	Euro
	SGSF	125	APS100 D125H25	46200030	€
	SGSF	125-160	APS140 D160H25	46200035	€
	SGSF	125-160-200	APS140 D202H25	46200054	€
	SGSF	125-160-200	APS190 D202H25	46200055	€
PALLET HG	PALLET FOR HG				
	Type	Diam.	Description	Id.No.	Euro
	HG	160	APS140 D208	46200090	€
	HG	210	APS140 D208	46200091	€
	HG	160	APS190 D208	46200092	€
	HG	210	APS190 D208	46200093	€
PALLET SINTEX	PALLET HOLDER - SINTEX/IMG/STS VISES				
	Type	Diam.	Description	Id.No.	Euro
	SINTEX/IMG/STS VISES		APS190	46200270	€
	SINTEX/IMG/STS VISES		APS140	46200275	€
PALLET 2PARTS	TWO PARTS PALLET				
	Type	Diam.	Description	Id.No.	Euro
	TWO PARTS PALLET		WITH CENTRAL SCREW FOR APS190	46200250	€
	SEMIFINISHED TOOLS-2PZ		WITH CENTRAL SCREW FOR APS 190	46200255	€
PALLET 88	PALLET-88 D210				
	Type	Diam.	Description	Id.No.	Euro
	APS190		PALLET-88 D210 - QUICK CHANGE	46200210	€
	APS140		PALLET-88 D210 - QUICK CHANGE	46200216	€
GRP+ SAB-1	GRP PALLET + SAB-1				
	Type	Diam.	Description	Id.No.	Euro
	Q194 - for APS140		FOR 125-180STV + SAB-1	46200280	€
	Q194 - for APS190		FOR 125-180STV + SAB-1	46200281	€
	Q194 - for Ø 130		FOR 125-180STV + SAB-1	46200282	€
PALLET HOLDER	PALLET HOLDER				
	Type	Diam.	Description	Id.No.	Euro
	180 STV		2-3J APS190 ROBOT LOADING - 4 FEMALE COUPLERS	46200104	€
	225 STV		2-3J APS190 ROBOT LOADING - 4 FEMALE COUPLERS	46200109	€
C.M.P.	CLAMPING PALLET				
	Type	Diam.	Description	Id.No.	Euro
	BASIC SP22 2APS-140	400x200		46186430	€
	PREMIUM SP22 2APS-140	400x200		46186435	€
	BASIC SP22 4APS-140	400x400		46186410	€
	PREMIUM SP22 4APS-140	400x400		46186415	€
	BASIC SP22 6 APS140	400x600		46186680	€

Price list 2022

Currency in Euro [€]



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PALLET Q400 for SGSF and HG-N SP22

Type	Diam.	Description	Id.No.	Euro
PALLET Q400 SGSF	400x400	PREPARED FOR CHUCKS 200-250-315 SGSF	46201020	€
GRP PALLET HG-N	400x400	MOUNTING D220 AUTC 260HG	46201012	€
GRP PALLET HG-N	400x400	MOUNTING D300 AUTC 315HG	46201013	€
GRP PALLET HG-N	400x400	MOUNTING D380 AUTC 400-500HG MANUAL LOADING	46201014	€

Q400

CLAMPING PALLET FOR VISES MC150X200 and TCT150X200 SP22

Type	Diam.	Description	Id.No.	Euro
PALLET Q400	400x400	FOR 1 VISE MC150x200 MANUAL LOADING	41702271	€
PALLET Q400	400x400	FOR 2 VISES MC150x200	41702261	€

Q400

CLAMPING PALLET FOR VISES MC150X200 and TCT150X200 SP22 with SAB.1

Type	Diam.	Description	Id.No.	Euro
PALLET Q400	400x400	FOR 180/225 STV WITH SAB-1	46201131	€

Q400+
SAB-1

4 APS 140 CLAMPING PALLET STV HOLDER

Type	Diam.	Description	Id.No.	Euro
PALLET Q400 SP22	400x400	FOR 225 STV WITH 4 SEATS FEM. COUPLERS	46201105	€
PALLET Q400 SP22	400x400	FOR 180 STV WITH 4 SEATS FEM. COUPLERS	46201115	€
PALLET Q400 SP36	400x400	FOR N.4 125 STV WITH 4 SEATS FEM. COUPLERS	46201125	€

Q400

Self centering protected vises PP-N PP-L

Type	Diam.	Description	Id.No.	Euro
125 PP-N	125	NORMAL STROKE - With steel body	77901862	€
160 PP-N	160	NORMAL STROKE - With steel body	77901866	€
200 PP-N	200	NORMAL STROKE - With steel body	77901870	€
250 PP-N	250	NORMAL STROKE - With steel body	77901875	€
125 PP-L	125	LONG STROKE - With steel body	77901962	€
125 PP-L ALUM	125	LONG STROKE - With aluminium body	77901963	€
160 PP-L	160	LONG STROKE - With steel body	77901966	€
160 PP-L ALUM	160	LONG STROKE - With aluminium body	77901967	€
200 PP-L	200	LONG STROKE - With steel body	77901970	€
250 PP-L	250	LONG STROKE - With steel body	77901975	€

PP-N
PP-L

PROXIMITIES SET N and L (OPTIONAL)

Type	Diam.	Description	Id.No.	Euro
125PPN	125	BRACKET+PROX KIT	90686260	€
125PPL	125	BRACKET+PROX KIT	90686263	€
160PPN 200PPN	160	BRACKET+PROX KIT	90687060	€
160-200PPL 250PPN	160-200	BRACKET+PROX KIT	90687063	€
250PPL	250	BRACKET+PROX KIT	90687563	€

PROX.

PNEUMATIC OPEN/CLOSE-STROKE CONTROL VALVE (OPTIONAL)

Type	Diam.	Description	Id.No.	Euro
100PT	100		90901163	€
125-160-200PT	125-160		90901763	€
180STV-3	180		97901801	€

VALVE

TOP JAWS SET for PP-L vises

Type	Diam.	Description	Id.No.	Euro
2-TOP JAWS KIT 125 PP-L VISE	125	PALLET 125	46204005	€
2-TOP JAWS KIT 125 PP-L VISE	125	PALLET 160	46204015	€
2-TOP JAWS KIT 125 PP-L VISE	125	PALLET 100	46204090	€
2-TOP JAWS KIT 160 PP-L VISE	160	PALLET 125	46204010	€
2-TOP JAWS KIT 160 PP-L VISE	160	PALLET 160	46204020	€
2-TOP JAWS KIT 160 PP-L VISE	160	PALLET 200	46204030	€
2-TOP JAWS KIT 200 PP-L VISE	200	PALLET 160	46204025	€
2-TOP JAWS KIT 200 PP-L VISE	200	PALLET 250	46204040	€
2-TOP JAWS KIT 200 PP-L VISE	200	PALLET 200	46204050	€
2-TOP JAWS KIT 250 PP-L VISE	250	PALLET 250	46204045	€
2-TOP JAWS KIT 250 PP-L VISE	250	PALLET 200	46204055	€
2-TOP JAWS KIT 250 PP-L VISE	250	PALLET 315	46204080	€

PP-L

PP-N
**BRACKET PALLET KIT 400x400 AND 400x200
with 200 PP-N vise**

Type	Diam.	Description	Id.No.	Euro
BRACKET KIT 200 PP-N VISE	200	PALLET Q400	46201060	€
2-TOP JAWS KIT 200 PP-N VISE	200	PALLET Q400	46204070	€
200 PP-N VISE	200	PALLET 100	77901870	€

PP-A
**BRACKET KIT PALLET Q400
for 160x98 PP-A vise**

Type	Diam.	Description	Id.No.	Euro
BRACKET KIT 160x98 PP-A VISE	160x98	PALLET Q400	46201050	€
160x98 PP-A VISE	160x98	PNEUMATIC VISE	46204200	€

GRIPPER
**GRIPPERS 3 jaws self-centering vises
Pneumatics - Protected**

Type	Diam.	Description	Id.No.	Euro
GRIPPER	125	3MN-L / Long Stroke	77920112	€
GRIPPER	125	3MN-L STEEL / Long Stroke	77920162	€
GRIPPER	125	3MN-N / Normal Stroke	77920412	€
GRIPPER	125	3MN-N STEEL / Normal Stroke	77920462	€
GRIPPER	160	3MN-L / Long Stroke	77920116	€
GRIPPER	160	3MN-L STEEL / Long Stroke	77920166	€
GRIPPER	160	3MNS-L (WITH SPRINGS) / Long Stroke	77920216	€
GRIPPER	160	3MNS-L STEEL (WITH SPRINGS) / Long Stroke	77920266	€
GRIPPER	160	3MN-N / Normal Stroke	77920416	€
GRIPPER	160	3MN-N STEEL / Normal Stroke	77920466	€
GRIPPER	160	3MNS-N (WITH SPRINGS) / Normal Stroke	77920516	€
GRIPPER	160	3MNS-N STEEL (WITH SPRINGS) / Normal Stroke	77920566	€
GRIPPER	200	3MN-L / Long Stroke	77920120	€
GRIPPER	200	3MNS-L (WITH SPRINGS) / Long Stroke	77920220	€
GRIPPER	200	3MN-N / Normal Stroke	77920420	€
GRIPPER	200	3MNS-N (WITH SPRINGS) / Normal Stroke	77920520	€
GRIPPER	250	3MN-L / Long Stroke	77920125	€
GRIPPER	250	3MNS-L (WITH SPRINGS) / Long Stroke	77920225	€
GRIPPER	250	3MN-N / Normal Stroke	77920425	€
GRIPPER	250	3MNS-N (WITH SPRINGS) / Normal Stroke	77920525	€

**KIT
GRIPPER**
KIT SPRING WORKSTOP GRIPPER

Type	Diam.	Description	Id.No.	Euro
KIT SPRING WORKSTOP	125	3MN / Stroke control analogic inductive sensor (optional)	92671263	€
KIT SPRING WORKSTOP	160	3MN / Stroke control analogic inductive sensor (optional)	92671663	€
KIT SPRING WORKSTOP	200-250	3MN / Stroke control analogic inductive sensor (optional)	92672563	€

**110
PRS**
110 PRS PNEUMATIC HEAD CHANGING

Type	Diam.	Description	Id.No.	Euro
HEAD CHANGING UNIT	110	PNEUMATIC	46204400	€

FLANGE
**FLANGE GROUP
for head changing 110 PRS**

Type	Diam.	Description	Id.No.	Euro
FLANGE KIT	110	ADAPTER ASSEMBLY 125 PP	46204450	€
FLANGE KIT	110	ADAPTER ASSEMBLY 160 PP	46204452	€
FLANGE KIT	110	ADAPTER ASSEMBLY 125-3MN	46204458	€
FLANGE KIT	110	ADAPTER ASSEMBLY 160-3MN	46204460	€

Price list 2022

Currency in Euro [€]



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160 PRS PNEUMATIC HEAD CHANGING**160
PRS**

Type	Diam.	Description	Id.No.	Euro
HEAD CHANGING UNIT	160	PNEUMATIC 160 PRS 2V (without pallet)	46204320	€
PALLET CHANGING UNIT	160	160 PRS 2V	46204330	€

FLANGE GROUP
for pneumatic head changing 160 PRS**FLANGE**

Type	Diam.	Description	Id.No.	Euro
FLANGE KIT	160	ADAPTER ASSEMBLY - 2V/160 PP	46204362	€
FLANGE KIT	160	ADAPTER ASSEMBLY - 2V/200 PP	46204364	€
FLANGE KIT	160	ADAPTER ASSEMBLY - 2V/250 PP	46204366	€
FLANGE KIT	160	ADAPTER ASSEMBLY - 2V/160 PPA	46204368	€
FLANGE KIT	160	ADAPTER ASSEMBLY 160-3MN	46204372	€
FLANGE KIT	160	ADAPTER ASSEMBLY 200-3MN	43204374	€
FLANGE KIT	160	ADAPTER ASSEMBLY 250-3MN	46204376	€

SOFT TOP JAWS**TOP
JAWS**

Type	Diam.	Description	Id.No.	Euro
SOFT TOP JAWS	125	125-3MN C45	92711263	€
SOFT TOP JAWS	160	160-3MN C45	92711663	€
SOFT TOP JAWS	200	200-3MN C45	92712063	€
SOFT TOP JAWS	250	250-3MN C45	92712563	€
SOFT TOP JAWS	125	125-3MN ALUMINIUM	92721263	€
SOFT TOP JAWS	160	160-3MN ALUMINIUM	92721663	€
SOFT TOP JAWS	200	200-3MN ALUMINIUM	92722063	€
SOFT TOP JAWS	250	250-3MN ALUMINIUM	92722563	€

STORAGE WAREHOUSE FOR SINGLE PALLET
prepared for n.3 D350 max pallet for every plan**STORAGE**

Type	Diam.	Description	Id.No.	Euro
STORAGE CASING	1120 X 315	DEPTH PALLET SINGLE	46210049	€
PLAN KIT 3 SINGLE PALLET		APS140/APS190 WHEELBASE 350	46210030	€
PLAN KIT 3 SINGLE PALLET		APS250 WHEELBASE 350	46210120	€

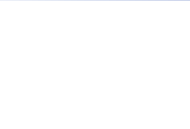
STORAGE WAREHOUSE FOR PALLET Q400
prepared for n.2 pallet 500*500 for every plan**STORAGE**

Type	Diam.	Description	Id.No.	Euro
STORAGE CASING	1120 X 455	DEPTH PALLET 500x500	46210069	€
PLAN KIT 2 PALLET		Q400 WHEELBASE 560	46210060	€
PLAN KIT 5 VISES		125IMG/160IMG WHEELBASE 205	46210110	€

LOADING STATION**STATION**

Type	Diam.	Description	Id.No.	Euro
D500 SINGLE PALLET	500	with one rotating unit casing a pallet D350 MAX - APS190	46212000	€
D750 FOR PALLET Q400	750	with one rotating unit Q400 4 APS wheelbase 200	46212010	€

Rotary Plate

	APS MODULES WITH MANUAL OPERATION
Page 14	
	APS MODULES WITH AUTOMATIC OPERATION
Page 15	
	APS MODULES WITH AUTOMATIC OPERATION + 3 FEEDINGS
Page 15	
	ACCESSORIES
Pagina 15	

**APS
MOD.**
APS MODULES WITH MANUAL OPERATION
Manual tooling fast set-up for pallets and chucks.

Type	Diam.	Description	Id.No.	Euro
ROTARY PLATE	202	Manual Ø202 Rotary Plate + APS190 module	46220450	
ROTARY PLATE	260	Manual Ø260 Rotary Plate + APS250 module	46220490	
ROTARY PLATE	420	Manual Ø420 Rotary Plate + 4 APS140 module	46220390	
ROTARY PLATE	520	Manual Ø520 Rotary Plate + APS190 + 4 APS160 module	46220010	
ROTARY PLATE	650	Manual Ø650 Rotary Plate + APS190 + 4 APS160 module	46220100	
ROTARY PLATE	1000	Manual Ø1000 Rotary Plate + APS250 + 6 APS160 module	46220030	
ROTARY PLATE	1400	Manual Ø1400 Rotary Plate + APS250 + 8 APS160 module	46220040	

USABLE PALLETS with ROTARY PLATE Ø202 APS190.
Manual tooling fast pallets set-up.

Type	Diam.	Description	Id.No.	Euro
PALLET SMF	208	APS190 H23	46200015	
PALLET	202	APS190 AUT125-160-200	46200055	
PALLET	208	APS190 for HG-N 160	46200092	
PALLET	208	APS190 for HG-N 210	46200093	
PALLET Aut. Two-pieces		VIT-CENT APS190	46200250	
PALLET SMF Two-pieces		VIT-CENT APS190	46200255	
PALLET Aut.	100-125	For Sintex/ST5-2G IMG vises APS190	46200270	
FEMALE QUICK CONNECTION	G1/8	For pneumatic manual operation	71612801	

USABLE CHUCKS with ROTARY PLATE Ø202 APS190.
Manual tooling fast pallets set-up. Connection between chuck and draw bar is made by screw.

Type	Diam.	Description	Id.No.	Euro
PALLET APS190	140	Chucks FL140 - Robot	46201535	
PALLET APS190	170	Chucks FL170 - Robot	46201545	

USABLE PALLETS WITH ROTARY PLATE Ø260 APS250.
Manual tooling fast pallets set-up.

Type	Diam.	Description	Id.No.	Euro
PALLET SMF	254	D254x29 APS250T - Robot	46201525	
PALLET	220	APS250T Chucks FL170 - Robot	46201505	
PALLET SMF	170	APS250T Chucks FL220 - Robot	46201515	
FEMALE QUICK CONNECTION	G1/8	For pneumatic manual operation	71612801	

USABLE CHUCKS WITH ROTARY PLATE Ø260 APS250.
Manual tooling fast pallets set-up. Connection between chuck and draw bar is made by screw.

Type	Diam.	Description	Id.No.	Euro
PALLET APS250	140	Chucks FL220 - Robot	46201515	
PALLET APS250	170	Chucks FL170 - Robot	46201505	

USABLE PALLETS WITH ROTARY PLATE Ø420 APS140

Type	Diam.	Description	Id.No.	Euro
PALLET		ROT PALLET GR D420 SEMIF	46220200	
PALLET		ROT PALLET GR D420 CENT380	46220540	
PALLET		ROT PALLET GR D420 CENT300	46220550	

USABLE PALLETS WITH ROTARY PLATE Ø520 APS190 AND 4 APS160

Type	Diam.	Description	Id.No.	Euro
PALLET		GR PALLET ROT D520 CENT380	46220050	
PALLET		GR PALLET RT D520 SEMIF	46220280	

**USABLE PALLETS WITH ROTARY
PLATE Ø650 APS190 AND 4 APS160**

Type	Diam.	Description	Id.No.	Euro
PALLET		GR PALLET ROT D650 CENT380	46220060	
PALLET		GR PALLET ROT D650 CENT520	46220180	
PALLET		GR PALLET ROT D650 SEMIF	46220290	
PALLET		GR PALLET ROT D800 SEMIF	46220300	

USABLE PALLETS WITH ROTARY PLATE Ø1000 WITH APS250 AND 6 APS160

Type	Diam.	Description	Id.No.	Euro
PALLET		ROT PALLET GR D1000 CENT520	46220070	
PALLET		ROT PALLET GR D1000 SEMIF	46220310	
PALLET		ROT PALLET GR APS1250 SEMIF	46220320	

USABLE PALLETS WITH ROTARY PLATE Ø1420 WITH APS250 AND 8 APS160

Type	Diam.	Description	Id.No.	Euro
PALLET		ROT PALLET GR D1420 CENT720	46220080	
PALLET		ROT PALLET GR D1420 SEMIF	46220330	
PALLET		ROT PALLET GR D1600 SEMIF	46220340	

APS MODULES WITH AUTOMATIC OPERATION

Robot or manual tooling fast set-up for turning workholding.

Type	Diam.	Description	Id.No.	Euro
ROTARY PLATE	202	Automatic Ø202 Rotary Plate + APS190 module	46220460	
ROTARY PLATE	260	Automatic Ø260 Rotary Plate + APS250 module	46220500	
ROTARY PLATE	420	Automatic Ø420 Rotary Plate + 4 APS140 module	46220400	
ROTARY PLATE	520	Automatic Ø520 Rotary Plate + APS190 + 4 APS160 module	46220090	
ROTARY PLATE	650	Automatic Ø650 Rotary Plate + APS190 + 4 APS160 module	46220140	

APS MODULES WITH AUTOMATIC OPERATION + 3 FEEDINGS. Pneumatic for fixture control on pallet.

Robot or manual tooling fast set-up for turning workholding.

Type	Diam.	Description	Id.No.	Euro
ROTARY PLATE	202	Automatic Ø202 RP + APS190 mod. + 3AIR	46220480	
ROTARY PLATE	260	Automatic Ø260 RP + APS250 mod. + 3AIR	46220520	
ROTARY PLATE	420	Automatic Ø420 RP + 4 APS140 mod. + 3AIR	46220420	
ROTARY PLATE	520	Automatic Ø520 RP + APS190 + 4 APS160 mod. + 3AIR	46220430	
ROTARY PLATE	650	Automatic Ø650 RP + APS190 + 4 APS160 mod. + 3AIR	46220440	

ROTARY PLATE ASSEMBLY LINE - MANUAL OR ROBOT PALLET TOOLING FAST SET-UP

Type	Diam.	Description	Id.No.	Euro
RU2-22		RU2-22+BUSH+OR ROTARY PLATE KIT	60589010	

PNEUMATIC ROTATING MANIFOLDS

Type	Diam.	Description	Id.No.	Euro
4 Pneumatic feedings		to use with standard RU 2-22 rotating joint	60580010	
3 Pneumatic feedings		for APS modules Automatic operation	60580011	

"ISO-A FLANGE FOR DIRECT CHUCK MOUNTING ON SHORT CONE MACHINE
SPINDLE - DIN 55026 / ISO-A 702 - TYPE FF1 - DIRECT ASSEMBLY"

Type	Diam.	Description	Id.No.	Euro
ADAPTOR ISO-A6	170	D170 STD H17	24162000	
ADAPTOR ISO-A6	170	D170 STD H24	24162500	
ADAPTOR ISO-A6	170	D170 STD H32	24162100	
ADAPTOR ISO-A6	170	D170 STD H40	24162110	
ADAPTOR ISO-A6	170	D170 H50	24162120	
ADAPTOR ISO-A6	170	D170 H60	24162160	
ADAPTOR ISO-A8	220	D220 STD H19	24182500	
ADAPTOR ISO-A8	220	D220 STD H27	24182510	
ADAPTOR ISO-A8	220	D220 STD H39	24182539	
ADAPTOR ISO-A8	220	D220 STD H43	24182520	
ADAPTOR ISO-A8	220	D220 STD H51	24182530	
ADAPTOR ISO-A8	220	D220 STD H65	24182565	
ADAPTOR ISO-A8	220	220 STD2-3-4GR H76	24182577	
ADAPTOR ISO-A8	220	D220 H100	24182590	
ADAPTOR ISO-A11	300	D300 STD H21	24113100	
ADAPTOR ISO-A11	300	D300 STD H30	24113110	
ADAPTOR ISO-A11	300	D300 STD H40	24114038	
ADAPTOR ISO-A11	300	D300 STD H43	24114030	
ADAPTOR ISO-A11	300	D300 STD H65	24114040	
ADAPTOR ISO-A11	300	D300 STD H90	24113190	
ADAPTOR ISO-A15	380	D380 STD H23	24125000	
ADAPTOR ISO-A15	380	D380 STD H28	24127110	
ADAPTOR ISO-A15	380	D380 STD H33	24127100	
ADAPTOR ISO-A15	380	D380 HS50	24125040	
ADAPTOR ISO-A15	380	D380 H90	24125084	

**"ISO-A FLANGE FOR DIRECT CHUCK MOUNTING ON SHORT CONE MACHINE
SPINDLE - DIN 55026 / ISO-A 702 - TYPE FF2 - REDUCTION ADAPTING ASSEMBLY"**

Type	Diam.	Description	Id.No.	Euro
ADAPTOR ISO-A5	170	D170 RED H24	24152000	
ADAPTOR ISO-A5	220	D220 RED H24	24152500	
ADAPTOR ISO-A6	220	D220 RED H24	24162530	
ADAPTOR ISO-A6	220	D220 RED H40	24162533	
ADAPTOR ISO-A6	220	D220 RED H50	24162532	
ADAPTOR ISO-A6	220	D220 RED H55	24162555	
ADAPTOR ISO-A6	300	D300 RED H30	24163100	
ADAPTOR ISO-A8	300	D300 RED H30	24183100	
ADAPTOR ISO-A8	300	D300 RED 400GH H40	24184000	
ADAPTOR ISO-A8	300	D300 RED H45	24183045	
ADAPTOR ISO-A8	300	D300 RED H85	24183085	
ADAPTOR ISO-A8	380	D380 RED H40	24185000	
ADAPTOR ISO-A11	380	D380 RED H40	24115000	
ADAPTOR ISO-A11	380	D380 RED H56	24115020	
ADAPTOR ISO-A20	720	D720 RED H50	24179400	

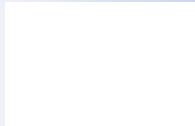
**"ISO-A FLANGE FOR DIRECT CHUCK MOUNTING ON SHORT CONE MACHINE
SPINDLE - DIN 55026 / ISO-A 702 - TYPE FF3 - INCREASING ADAPTING ASSEMBLY"**

Type	Diam.	Description	Id.No.	Euro
ADAPTOR ISO-A8	170	D170 INCR H40	24182010	
ADAPTOR ISO-A8	170	D170 INCR H56	24182110	
ADAPTOR ISO-A8	170	D170 INCR H70	24182170	
ADAPTOR ISO-A11	220	D220 INCR H40	24112540	
ADAPTOR ISO-A11	220	D220 INCR H45	24112510	
ADAPTOR ISO-A11	220	D220 INCR H55	24112520	
ADAPTOR ISO-A11	220	D220 INCR H65	24112565	
ADAPTOR ISO-A11	220	D220 INCR H70	24112570	
ADAPTOR ISO-A11	220	D220 INCR H85	24112580	
ADAPTOR ISO-A15	300	D300 INCR H50	24123110	
ADAPTOR ISO-A15	300	D300 INCR H75	24123175	
ADAPTOR ISO-A20	380	D380-520 500-IN	24175000	

MAGNET PROTECTION COVERS FOR APS

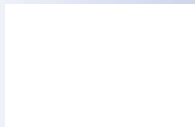
Type	Diam.	Description	Id.No.	Euro
APS140 PREMIUM	140	Use in rotation only with closed APS	46220600	
APS160 PREMIUM	160	Use in rotation only with closed APS	46220610	
APS190 PREMIUM	190	Use in rotation only with closed APS	46220620	
APS250 PREMIUM	250	Use in rotation only with closed APS	46220630	

AT-PM



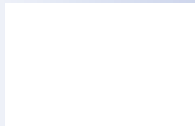
QUICK CHUCKS CHANGE SYSTEM AT-PM

Page 18



PALLET FOR QUICK CHUCKS CHANGE SYSTEM AT-PM

Page 18



ACCESSORIES

Page 18

APS
MOD.

QUICK CHUCKS CHANGE SYSTEM AT-PM

Type	Diam.	DESCRIPTION	ID.No.	Euro
ATPM200/170	170-210-260	A6 - Air sensing function for pallet positioning	65002009	€
ATPM240/220	210-260-315	A8 - Air sensing function for pallet positioning	65002405	€
ATPM320/300	315-400-530	A11 - Air sensing function for pallet positioning	65003205	€

PALLET FOR QUICK CHUCKS CHANGE SYSTEM AT-PM

AT-PM model	Diam. Pallet	DESCRIPTION	ID.No.	Euro
ATPM200/170	206	PAL FL170H52-M190	65622009	€
ATPM200/170	206	PAL FL220H52-M239	65612009	€
ATPM200/170	206	PAL FL300H54-M304	65632009	€
ATPM240/220	254	PAL FL140H54-M190	65622405	€
ATPM240/220	254	PAL FL170H52-M239	65612405	€
ATPM320/300	325	PAL FL220H59-M304	65623205	€
ATPM320/300	325	PAL FL220H52-M190	65613205	€
ATPM320/300	378	PAL FL380H55-M345	65633205	€

TOP JAWS KIT

Type	Diam.	DESCRIPTION	ID.No.	Euro
2 Top Jaws Kit 200PPL		For AT-PM 240/220	46204040	€
2 Top Jaws Kit 250PPL		For AT-PM 240/220	46204045	€
2 Top Jaws Kit 200PPL		For AT-PM 200/170	46204050	€
2 Top Jaws Kit 250PPL		For AT-PM 200/170	46204055	€
2 Top Jaws Kit 250PPL		For AT-PM 320/300	46204080	€

DOUBLE PISTON CYLINDERS WITH 4 SAFETY VALVES AT-PM CONTROL

Type	Diam.	DESCRIPTION	ID.No.	Euro
		DOUBLE PISTONS CYL 64/64 DCE-4V C30-40	33981009	€
		DOUBLE PISTONS CYL 60/100 DCR C20-40	33981206	€
		DOUBLE PISTONS CYL 90/160 DCR C20-40	33981510	€

AT-PM: DOUBLE PISTON CYLINDERS AND LPS 4.0 KIT

Type	Diam.	DESCRIPTION	ID.No.	Euro
LPS 4.0 Kit - optional		LPS 4.0 KIT 48 DOUBLE PIS CYL 64/64 DCE	60558306	€
		LPS 4.0 KIT 48 DOUBLE PIS CYL 60/100 DCR	60558406	€
		LPS 4.0 KIT 48 DOUBLE PIS CYL 90/160 DCR	60558407	€
		LPS 4.0 SENSOR 48 IO 0-10V	208108	€
		CABLE+CON 90 LPS 4.0 48-120 5M	208247	€
LPS 4.0 Kit - RU-2-22 - optional		LPS 4.0 KIT DOUBLE PIS CYL 64DCE RU2-22	60558336	€
		LPS 4.0 KIT DOUBLE PIS CYL 60/100DCR RU2-22	60558436	€
		LPS 4.0 KIT DOUBLE PIS CYL 90/160DCR RU2-22	60558437	€
		LPS 4.0 SENSOR 48 IO 0-10V	208108	€
		CABLE+CON 90 LPS 4.0 48-120 5M	208247	€
		ROTARY UNION 2MEDIUM RU2-22 M22x1	044970	€
Rotary union RU-1-16 - optional		ROTARY UNION 1MEDIUM RU1-16 M16x1.5LH D18	043271	€