



High-Tech Enterprise



烨柏®

YEBO®
AUTOMATION

Professional - Quality - Benefit

Carbo Arm B009



Patent Certificate Number:

ZL201420492274.2
ZL201430313567.5
ZL201630658602.6
ZL201720053415.4





High-Tech Enterprise

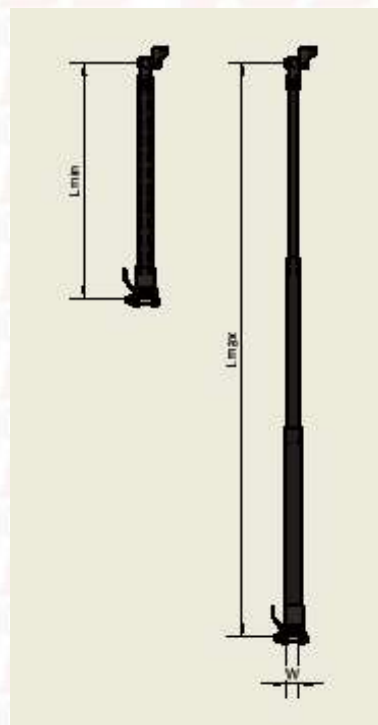


烨柏®



Professional - Quality - Benefit

Carbo Arm B009



Patent Certificate

Number:

ZL201420492274.2

ZL201430313567.5

ZL201630658602.6

ZL201720053415.4

Model	Description	Mar. Torque (Nm)	Length Min [mm]	Length Max. [mm]	Stroke [mm]	Groove Width W [mm]
YBA-B009-CA020A	Standard	20	460	1000	540	14
YBA-B009-CA020B	Standard	20	627	1500	873	14
YBA-B009-CA020C	Standard	15	794	2000	1206	14
YBA-B009-CA055A	Standard	55	559	1250	691	20
YBA-B009-CA055B	Standard	55	743	1800	1057	20
YBA-B009-CA055C	Standard	35	943	2400	1457	20
YBA-B009-CA100A	Standard	100	572	1250	678	30
YBA-B009-CA100B	Standard	80	756	1800	1044	30
YBA-B009-CA100C	Standard	60	956	2400	1444	30
YBA-B009-CA220A	Standard	220	578	1250	672	30
YBA-B009-CA220B	Standard	180	762	1800	1038	30
YBA-B009-CA220C	Standard	160	962	2400	1438	30
YBA-B009-CA400A	Standard	400	701	1250	549	40
YBA-B009-CA400B	Standard	350	885	1800	915	40
YBA-B009-CA400C	Standard	300	1085	2400	1315	40



High-Tech Enterprise



烨柏®



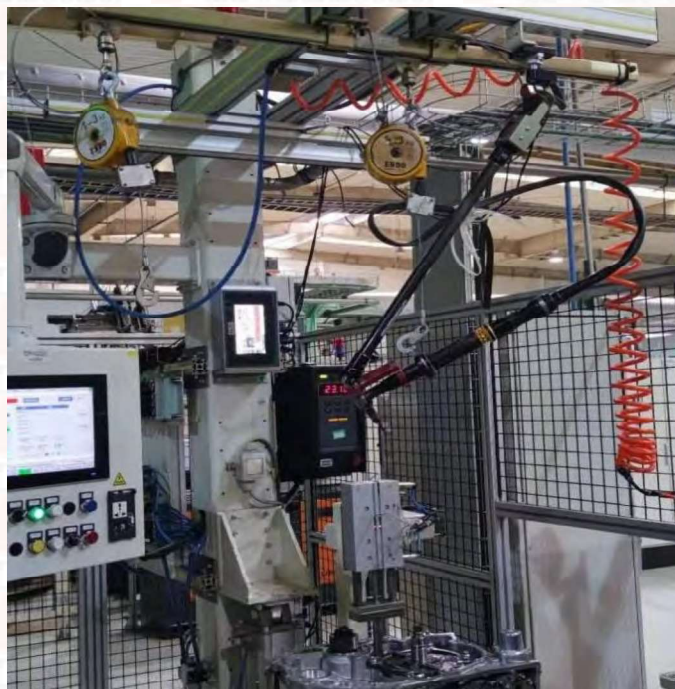
Professional - Quality - Benefit

TPS Positioning Carbo Arm B009



Patent Certificate Number:

ZL201420492274.2
ZL201430313567.5
ZL201630658602.6
ZL201720053415.4





High-Tech Enterprise



烨柏®



Professional - Quality - Benefit

TPS Positioning Carbo Arm B009

Model	Description	Encoder	Max. Torque (Nm)	Length Min [mm]	Length Max [mm]	Stroke [mm]	Groove Width W [mm]
TPS positioning arm (2 encoders)							
YBA-B009-CA020AP	TPS Positioning	Analog	20	587	1127	540	14
YBA-B009-CA020BP	TPS Positioning	Analog	20	809	1682	873	14
YBA-B009-CA055AP	TPS Positioning	Analog	55	688	1379	691	20
YBA-B009-CA055BP	TPS Positioning	Analog	55	872	1929	1057	20
YBA-B009-CA100AP	TPS Positioning	Analog	100	732	1410	678	30
YBA-B009-CA100BP	TPS Positioning	Analog	80	920	1960	1044	30
YBA-B009-CA100CP	TPS Positioning	Analog	60	1116	2560	1444	30
YBA-B009-CA220AP	TPS Positioning	Analog	220	738	1410	672	30
YBA-B009-CA220BP	TPS Positioning	Analog	180	922	1960	1038	30
YBA-B009-CA220CP	TPS Positioning	Analog	160	1122	2560	1438	30
YBA-B009-CA400AP	TPS Positioning	Analog	400	840	1389	549	40
YBA-B009-CA400BP	TPS Positioning	Analog	350	1024	1939	915	40
YBA-B009-CA400CP	TPS Positioning	Analog	300	1224	2539	1315	40
TPS positioning arm (2 encoders)							
YBA-B009-CA020APSA1	TPS Positioning	Digital	20	587	1127	540	14
YBA-B009-CA020BPSA1	TPS Positioning	Digital	20	809	1682	873	14
YBA-B009-CA055APSA1	TPS Positioning	Digital	55	688	1379	691	20
YBA-B009-CA055BPSA1	TPS Positioning	Digital	55	872	1929	1057	20
YBA-B009-CA100APSA1	TPS Positioning	Digital	100	732	1410	678	30
YBA-B009-CA100BPSA1	TPS Positioning	Digital	80	920	1960	1044	30
YBA-B009-CA100CPSA1	TPS Positioning	Digital	60	1116	2560	1444	30
YBA-B009-CA220APSA1	TPS Positioning	Digital	220	738	1410	672	30
YBA-B009-CA220BPSA1	TPS Positioning	Digital	180	922	1960	1038	30
YBA-B009-CA220CPSA1	TPS Positioning	Digital	160	1122	2560	1438	30
YBA-B009-CA400APSA1	TPS Positioning	Digital	400	840	1389	549	40
YBA-B009-CA400BPSA1	TPS Positioning	Digital	350	1024	1939	915	40
YBA-B009-CA400CPSA1	TPS Positioning	Digital	300	1224	2539	1315	40
TPS positioning arm (3 encoders)							
YBA-B009-CA020APSA2	TPS Positioning	Digital	20	587	1127	540	14
YBA-B009-CA020BPSA2	TPS Positioning	Digital	20	809	1682	873	14
YBA-B009-CA055APSA2	TPS Positioning	Digital	55	688	1379	691	20
YBA-B009-CA055BPSA2	TPS Positioning	Digital	55	872	1929	1057	20
YBA-B009-CA100APSA2	TPS Positioning	Digital	100	732	1410	678	30
YBA-B009-CA100BPSA2	TPS Positioning	Digital	80	920	1960	1044	30
YBA-B009-CA100CPSA2	TPS Positioning	Digital	60	1116	2560	1444	30
YBA-B009-CA220APSA2	TPS Positioning	Digital	220	738	1410	672	30
YBA-B009-CA220BPSA2	TPS Positioning	Digital	180	922	1960	1038	30
YBA-B009-CA220CPSA2	TPS Positioning	Digital	160	1122	2560	1438	30
YBA-B009-CA400APSA2	TPS Positioning	Digital	400	840	1389	549	40
YBA-B009-CA400BPSA2	TPS Positioning	Digital	350	1024	1939	915	40
YBA-B009-CA400CPSA2	TPS Positioning	Digital	300	1224	2539	1315	40



High-Tech Enterprise

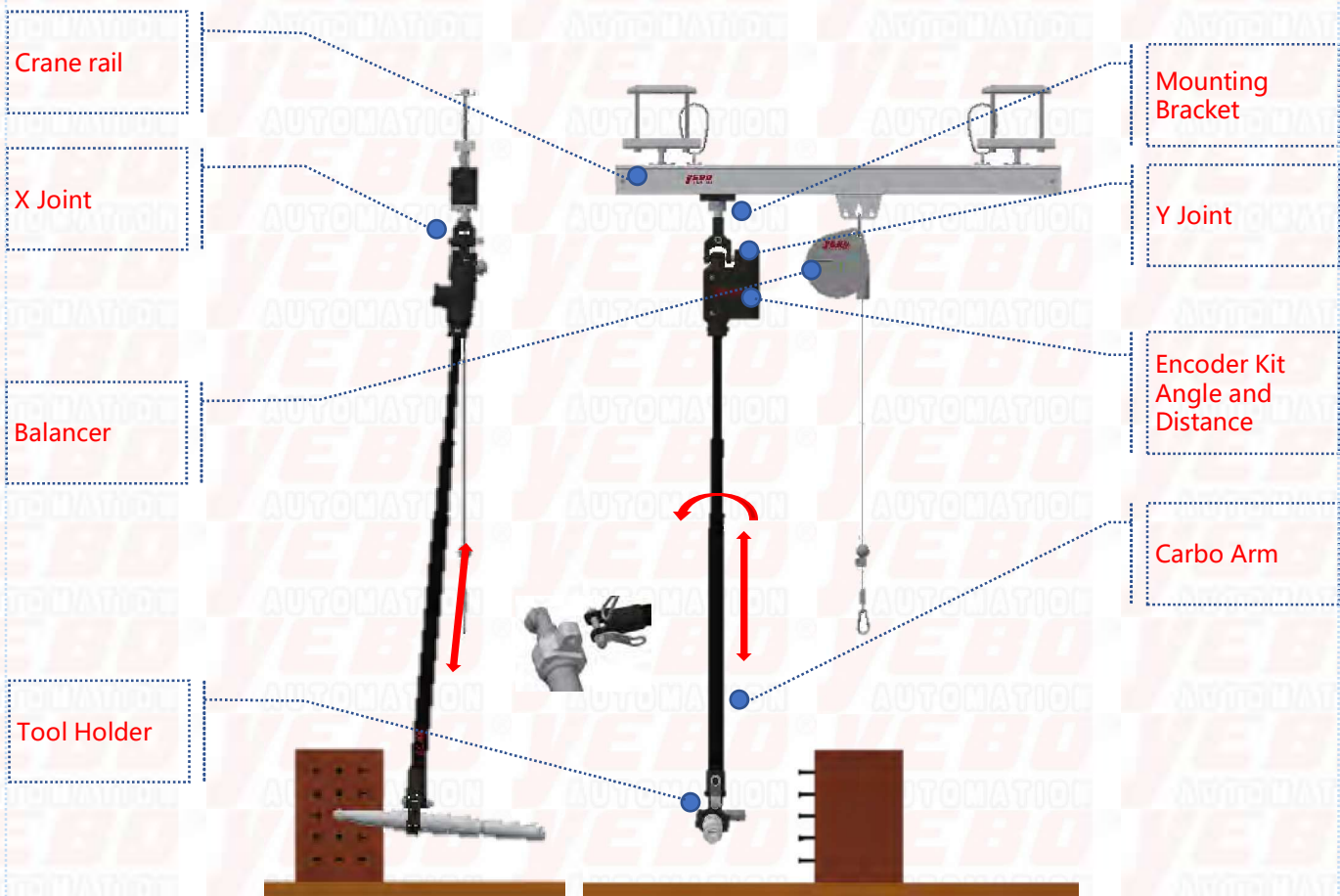
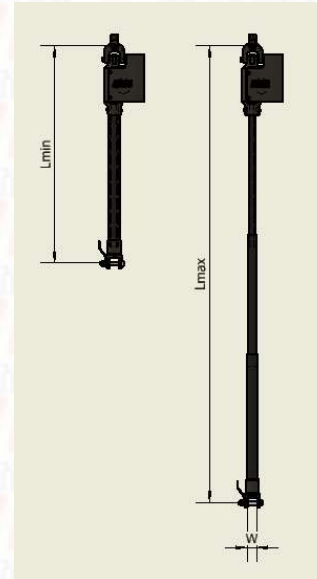


烨柏®



Professional - Quality - Benefit

TPS Positioning Carbo Arm B009





High-Tech Enterprise



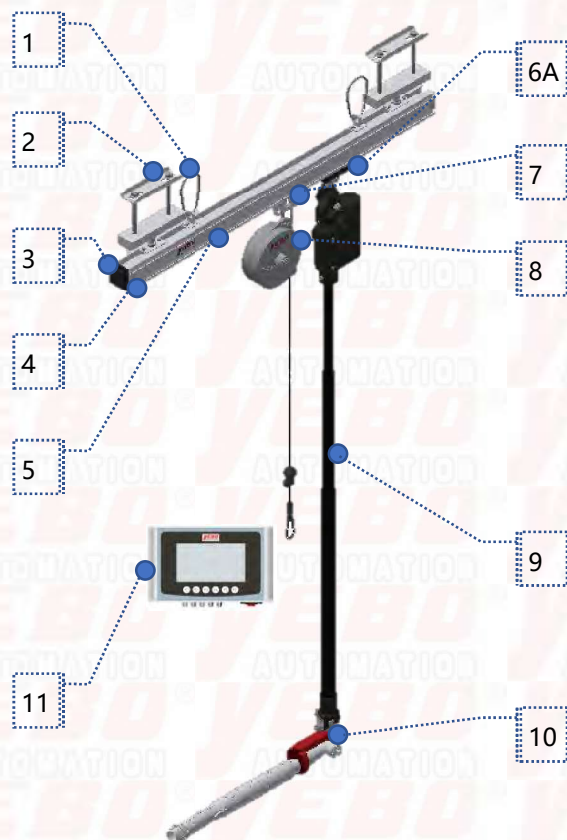
烨柏®



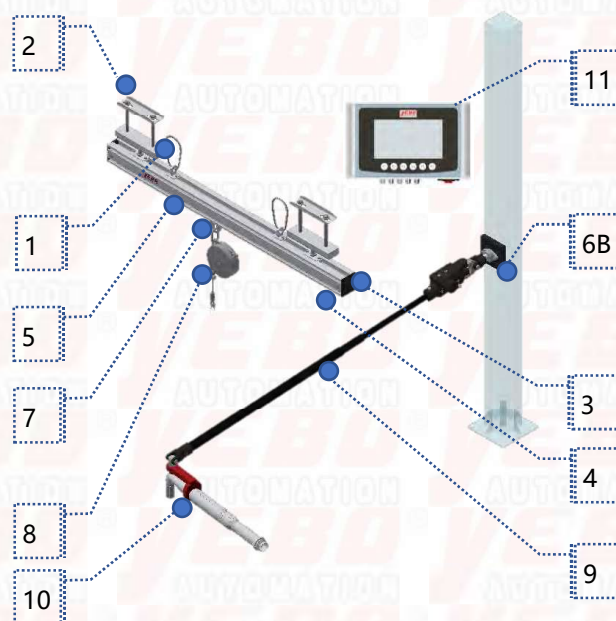
Professional - Quality - Benefit

TPS Positioning Carbo Arm B009

Parts list for the arm installation (Example with YBA-B009-CA100BP)



Working for the side Screws/Bolts



Working for the top Screws/Bolts

Item	Model	Description	Quantity	Comment
1	YBA-B031-420	Safety system	2	
2	YBA-B031-110C	Rigid Mounting	2	
3	YBA-B031-301	Profile End Cover	2	
4	YBA-B031-407	End stop fix	2	
5	YBA-B031-A065-xxxx	Aluminium crane profile	1	Length by requirement
6A	YBA-B009-GD100-A065	Mounting bracket for A065	1	
6B	YBA-B009-GD100-9090	Mounting bracket for 90 Alu. profile	1	
7	YBA-B031-219	Aluminium Trolley	1	
8	BMDS-4	Balancer	1	
9	YBA-B009-CA100BP	Carbo Arm	1	
10	YBA-B009-100-C302-L107	Tool Holder	1	
11	YBA-SPC-COM-ST01	TPS controller	1	



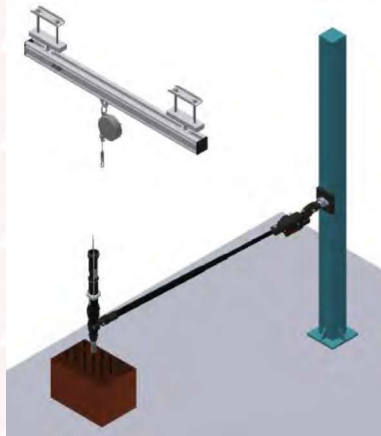
High-Tech Enterprise



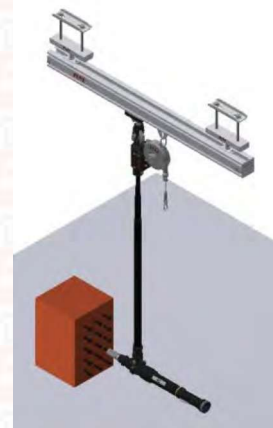
Professional - Quality - Benefit

B009 Carbo Arm

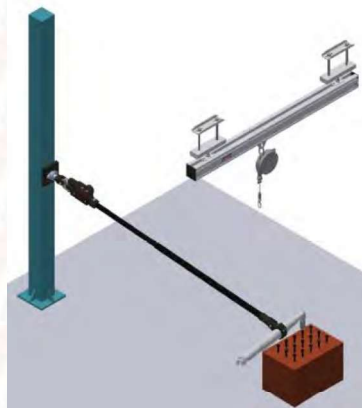
Application



Bolts on top



Bolts on side



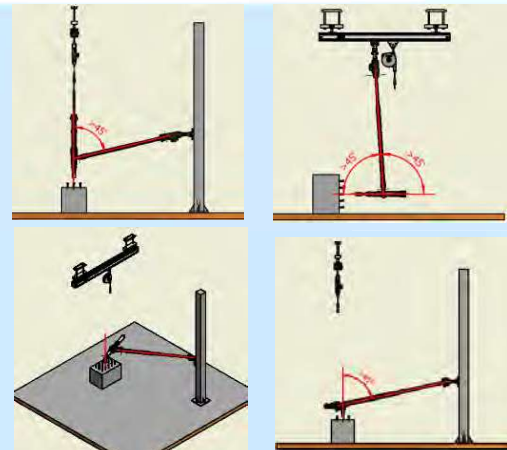
Bolts on top



Bolts on side



Bolts on side



Notice: the angle between the axe of the carbo arm and axe of bolt must more than 45°



High-Tech Enterprise



烨柏®



Professional - Quality - Benefit

Carbo Arm B009

Tool Holder

Universal: YBA-B009-020-C001		Universal: YBA-B009-020-C002		Universal: YBA-B009-055-C001		Universal: YBA-B009-055-C004	
Tool Dia: 23-45mm	Carbo Arm: CA020	Tool Dia: 23-45mm	Carbo Arm: CA020	Tool Dia: 27-50mm	Carbo Arm: CA055	Tool Dia: 27-50mm	Carbo Arm: CA055
Universal: YBA-B009-055-C003-Tool model		Universal: YBA-B009-055-C001L		Universal: YBA-B009-100-C001		Universal: YBA-B009-220-C001	
Tool Dia: By tool model	Carbo Arm: CA055	Tool Dia: 30-55mm	Carbo Arm: CA055	Tool Dia: 30-60mm	Carbo Arm: CA100	Tool Dia: 32-60mm	Carbo Arm: CA220
Universal: YBA-B009-220-C002		Universal: YBA-B009-400-C002-		Swiveling: YBA-B009-FA-		Swiveling: YBA-B009-FAA-	
Tool Dia: 32-60mm	Carbo Arm: CA220	Tool Dia: By tool model	Carbo Arm: CA440	Tool Dia: By tool model	Carbo Arm: CA100	Tool Dia: By tool model	Carbo Arm: CA100
Swiveling: YBA-B009-FAT-							
Tool Dia: By tool model	Carbo Arm: CA100						



High-Tech Enterprise



烨柏®



Professional - Quality - Benefit

Carbo Arm B009

Tool Holder special for TPS

Universal: YBA-B009-055-C302- L107		Universal: YBA-B009-055-C302- L087		Universal: YBA-B009-055-C302- L065			
Tool Dia: 25-40mm	Carbo Arm: CA055	Tool Dia: 25-40mm	Carbo Arm: CA055	Tool Dia: 25-40mm	Carbo Arm: CA055		

Mounting Bracket

YBA-B009-GD055-8080 (9090)		YBA-B009-GD055-A065		YBA-B009-GD055S-A065		YBA-B009-GD100-8080	
80 (90) Aluminum Profile	Carbo Arm: CA055	A065 Aluminum Crane	Carbo Arm: CA055	A065 Aluminum Crane	Carbo Arm: CA055	80 Aluminum Profile	Carbo Arm: CA100
YBA-B009-GD100-9090		YBA-B009-GD100-A065		YBA-B009-GD220-8080 (9090)		YBA-B009-GD220-A065	
90 Aluminum Profile	Carbo Arm: CA100	A065 Aluminum Crane	Carbo Arm: CA100	80 (90) Aluminum Profile	Carbo Arm: CA220	A065 Aluminum Crane	Carbo Arm: CA220



High-Tech Enterprise



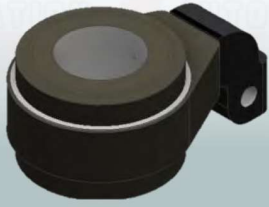
烨柏®



Professional - Quality - Benefit

Tool Holder for B009

Tool Holder special for International Brand Tools

DDK 	DDK 	DESOUTTER 	DESOUTTER 
YBA-B009-HFT-300M120- A-20	YBA-B009-HFT-200M120- A-20	YBA-B009-055-C003-EFDE43	YBA-B009-EID65-900
Tool: HFT-300M120	Tool: HFT-200M120	Tool: EFDE43	Tool: EID65-900
Carbo Arm: CA400	Carbo Arm: CA400	Carbo Arm: CA055	Carbo Arm: CA100
Bosch Rexroth 	Bosch Rexroth 	Bosch Rexroth 	Bosch Rexroth 
YBA-B009-FA-ESA150S	YBA-B009-FAA-600-ESA500	YBA-B009-FAA-600-ESA500_SMC100	YBA-B009-FAA-735-ESA630
Tool: ESA150S	Tool: ESA500	Tool: ESA500	Tool: ESA630
Carbo Arm: CA100	Carbo Arm: CA100	Carbo Arm: CA400	Carbo Arm: CA100
IR 	IR 	ATLAS COPCO 	ATLAS COPCO 
YBA-B009-FA-QX5AT	YBA-B009-QM5	YBA-B009-QST62B	YBA-B009-ST101-270-2
Tool: QX5AT	Tool: QM5	Tool: QST62	Tool: ETV-ST101-270
Carbo Arm: CA100	Carbo Arm: CA100	Carbo Arm: CA400	Carbo Arm: CA400



High-Tech Enterprise



烨柏®



Professional - Quality - Benefit

TPS Controller

SPC-COM TPS controller



Model	Encoder Connector	I/O Connector	Encoder	Software
Basic				
YBA-SPC-COM-ST012M	2	1	Analog	Analog
YBA-SPC-COM-ST012S-AAL	2	1	Digital	2 ang/1 dis.
YBA-SPC-COM-ST012S-ALL	2	1	Digital	1 ang/2 dis.
YBA-SPC-COM-ST013S-AAL	3	1	Digital	3 ang/1 dis.
YBA-SPC-COM-ST013S-ALL	3	1	Digital	2 ang/2 dis.
YBA-SPC-COM-ST013S-L	3	1	Digital	3 Distance
YBA-SPC-COM-ST013S-A	3	1	Digital	3 Angle
Input Adv				
YBA-SPC-COM-ST022M	2	2	Analog	Analog
YBA-SPC-COM-ST022S-AAL	2	2	Digital	2 ang/1 dis.
YBA-SPC-COM-ST022S-ALL	2	2	Digital	1 ang/2 dis.
YBA-SPC-COM-ST023S-AAL	3	2	Digital	3 ang/1 dis.
YBA-SPC-COM-ST023S-ALL	3	2	Digital	2 ang/2 dis.
YBA-SPC-COM-ST023S-L	3	2	Digital	3 Distance
YBA-SPC-COM-ST023S-A	3	2	Digital	3 Angle
Output Adv				
YBA-SPC-COM-ST032M	2	2	Analog	Analog
YBA-SPC-COM-ST032S-AAL	2	2	Digital	2 ang/1 dis.
YBA-SPC-COM-ST032S-ALL	2	2	Digital	1 ang/2 dis.
YBA-SPC-COM-ST033S-AAL	3	2	Digital	3 ang/1 dis.
YBA-SPC-COM-ST033S-ALL	3	2	Digital	2 ang/2 dis.
YBA-SPC-COM-ST033S-L	3	2	Digital	3 Distance
YBA-SPC-COM-ST033S-A	3	2	Digital	3 Angle

Function	Basic	Input Adv	Output Adv
Workpiece	7	15	7
Position encoded output	0	0	127
Position encoded input	0	127	0