

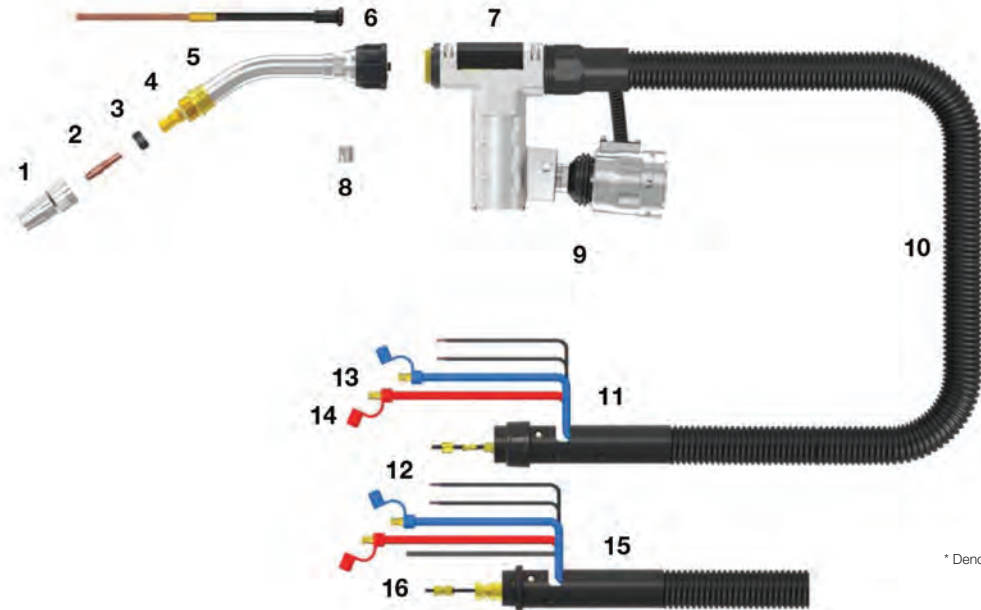
**COMPLETE
MIG AND TIG TORCH SYSTEMS
FOR ROBOTIC AND COBOT
APPLICATIONS**

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PRW602

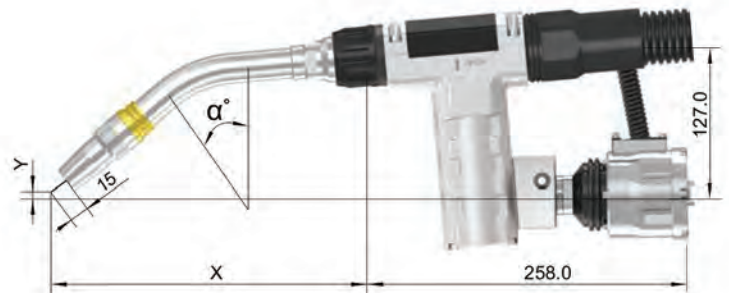
Push-Pull Robotic MIG Torch Water Cooled, 600A CO₂, 550A Mixed Gas
100% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
PRW602-10ER	Complete torch with Euro fitting 1.0m long
PRW602-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

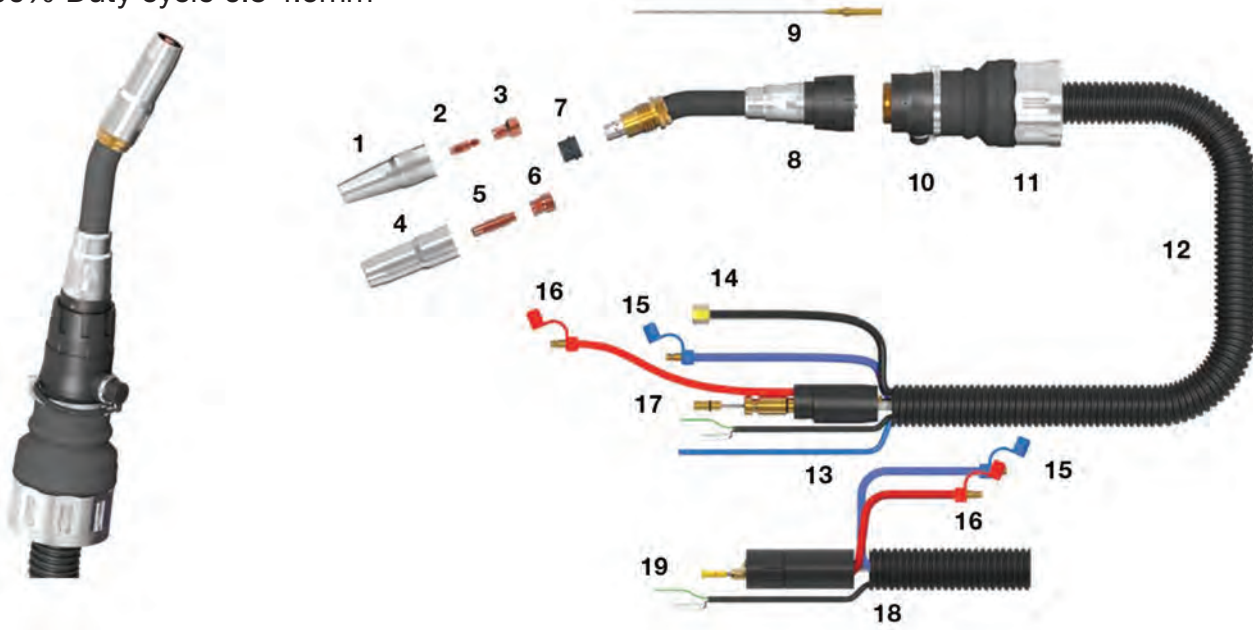
ITEM	STOCK CODE	DESCRIPTION
1	RPA0203	Welding nozzle Ø16mm
2	XP3003-10A	Contact tip AL 1.0mm (.040") CuCrZr
	XP3003-12A	Contact tip AL 1.2mm (.045") CuCrZr
	XP3003-14A	Contact tip AL 1.4mm (.055") CuCrZr
	XP3003-16A	Contact tip AL 1.6mm (1/16") CuCrZr
3	XP3004B-S*	Moulded heat shield
4	PW0104	Tip Adaptor
5	PW0301	Neck assembly
6	PRS05-1-A10	Neck liner 0.8-1.0mm For Aluminium
	PRS05-1-A12	Neck liner 1.0-1.2mm For Aluminium
	PRS05-1-A16	Neck liner 1.2-1.6mm For Aluminium
7	PRS02-07	Pull motor assembly
8	PRS08U-10U	Feed roll 0.8-1.0 U AL
	PRS08U-14U	Feed roll 1.2-1.4 U AL
	PRS08U-16U	Feed roll 1.4-1.6 U AL
9	PRS01-14	Collision sensor assembly
10	PRS04-1	Cable assembly 1m
11	PRS04-10	Euro housing assembly
12	PRS05-3-A10	Wire feed conduit Euro 0.8-1.0mm
	PRS05-3-A12	Wire feed conduit Euro 1.0-1.2mm
	PRS05-3-A16	Wire feed conduit Euro 1.2-1.6mm
13	B5023	Water connector
14	B5017	Water outlet hose (red)
15	PRS04-13-SX	Panasonic housing assembly
16	PRS06-A10	Wire feed conduit Pana 0.8-1.0mm
	PRS06-A12	Wire feed conduit Pana 1.0-1.2mm
	PRS06-A16	Wire feed conduit Pana 1.2-1.6mm



Neck angle	Distance X	Distance Y	Neck Part Number
22	249	-23.0	PW0301D22
22	326.5	29.0	PW0301D22L100
22	373	66.5	PW0301D22L160
22	415.5	101.0	PW0301D22L215
35	251.5	11.5	PW0301
35	329.0	63.0	PW0301L100
35	375.5	101.0	PW0301L160
35	418.0	135.5	PW0301J215

RW611

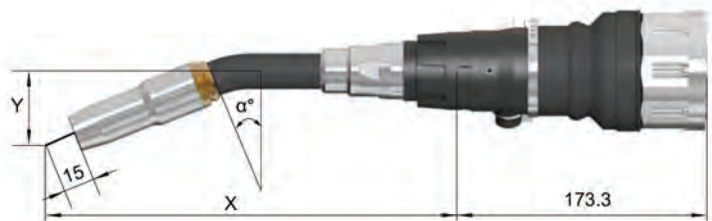
Through Arm Robotic MIG Water Cooled 600A CO₂ 550A Mixed gas,
100% Duty cycle 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RW611-10ER	Complete torch with Euro fitting 1.0m long
RW611-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

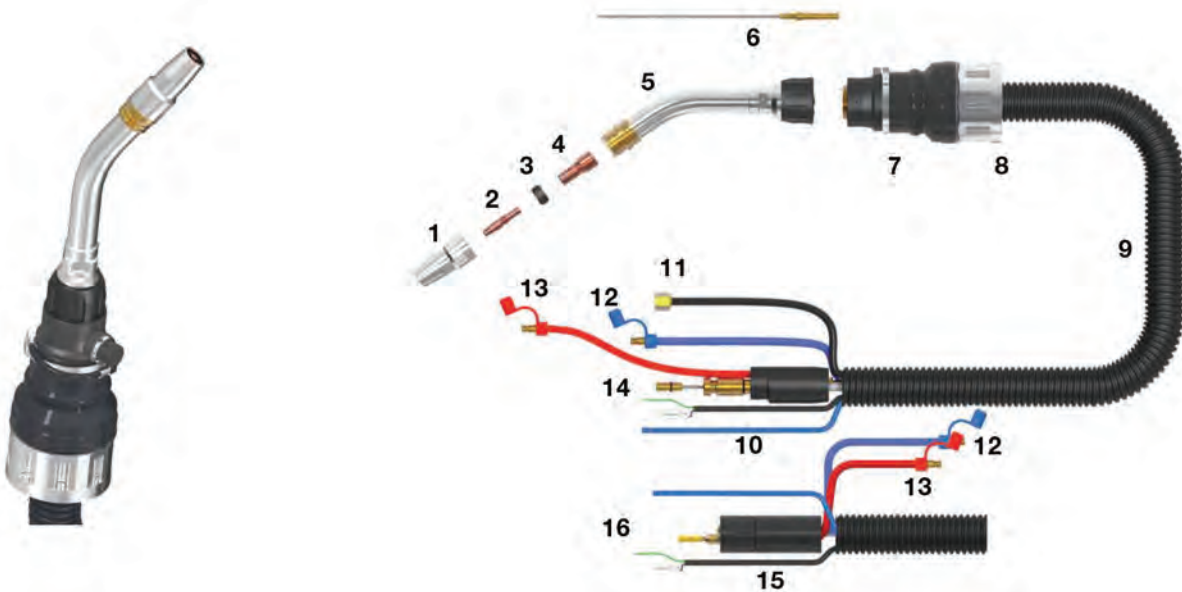
ITEM	STOCK CODE	DESCRIPTION
1	PBW0107	Welding Nozzle Ø16mm
2	PBW0102-10	Contact tip 1.0mm (.040") M8 CuCrZr
	PBW0102-12	Contact tip 1.2mm (.045") M8 CuCrZr
	PBW0102-14	Contact tip 1.4mm (.055") M8 CuCrZr
	PBW0102-16	Contact tip 1.6mm (1/16") M8 CuCrZr
3	PW0104	Tip Adaptor M8
4	PBW0108	Welding Nozzle
5	PBW0103-10	Contact tip 1.0mm (.040") M12 CuCrZr
	PBW0103-12	Contact tip 1.2mm (.045") M12 CuCrZr
	PBW0103-14	Contact tip 1.4mm (.055") M12 CuCrZr
	PBW0103-16	Contact tip 1.6mm (1/16") M12 CuCrZr
6	PW0105	Tip Adaptor M12
7	PBW0106	Insulator
8	PBW0101	Torch Neck
9	PBW0101-11-12	Neck liner 1.0-1.2mm
	PBW0101-11-16*	Neck liner 1.2-1.6mm
10	PBW0101-12	Connection block
11	PSR01	Collision sensor
12	PBW0101-17	Harness assembly
13	RW0119	Panasonic connector assembly
14	GG048K	Gas nut 9/16"-18 UNF
15	B5023	Water connector
16	B5017	Water outlet hose (red)
17	RW0122-12	Wire liner Pana 1.0-1.2mm
	RW0122-16	Wire liner Pana 1.2-1.6mm
18	B5098-RW	Euro connector assembly
19	B5033-30	Wire liner Euro 1.0-1.2mm
	B5034-30	Wire liner Euro 1.2-1.6mm



Neck Angle	Distance X	Distance Y	Neck Part Number
22	283.2	50.6	PBW0101D22
22	383.2	50.6	PBW0101D22L100
22	443.2	50.6	PBW0101D22L160
22	498.2	50.6	PBW0101D22L215
35	272.2	70.7	PBW0101
35	372.2	70.7	PBW0101L100
35	432.2	70.7	PBW0101L160
35	487.2	70.7	PBW0101L215

RW601

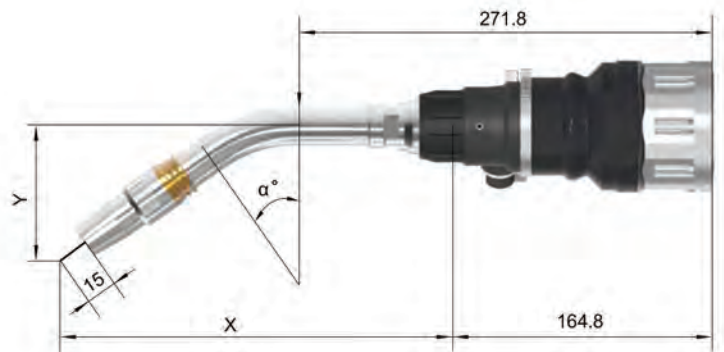
Robotic MIG 600A CO₂ 550A Mixed Gas, 100% Duty Cycle 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RW601-10ER	Complete torch with Euro fitting 1.0m long
RW601-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	RPA0203	Welding Nozzle Ø16mm
2	XP3003-10*	Contact tip 1.0mm (.040") M10 CuCrZr
	XP3003-12	Contact tip 1.2mm (.045") M10 CuCrZr
	XP3003-14	Contact tip 1.4mm (.055") M10 CuCrZr
	XP3003-16	Contact tip 1.6mm (1/16") M10 CuCrZr
3	XP3004B-S	Insulator
4	PW0104	Tip Adaptor M10
5	PW0101	Torch Neck
6	PW0402J-12	Neck liner 1.0-1.2mm
	PW0402J-16*	Neck liner 1.2-1.6mm
7	PW0108A	Torch neck connector
8	PPSR01	Collision sensor assembly
9	RW0125A	Cable assembly
10	RW0119	Panasonic connector
11	GG048K	Gas connection 9/16"-18 UNF
12	B5023	Water connector
13	B5017	Water outlet hose (red)
14	RW0122-12	Wire liner Pana 1.0-1.2mm
	RW0122-16	Wire liner Pana 1.2-1.6mm
15	B5098-RW	Euro connector assembly
16	B5033-30	Wire liner Euro 1.0-1.2mm
	B5034-30	Wire liner Euro 1.2-1.6mm



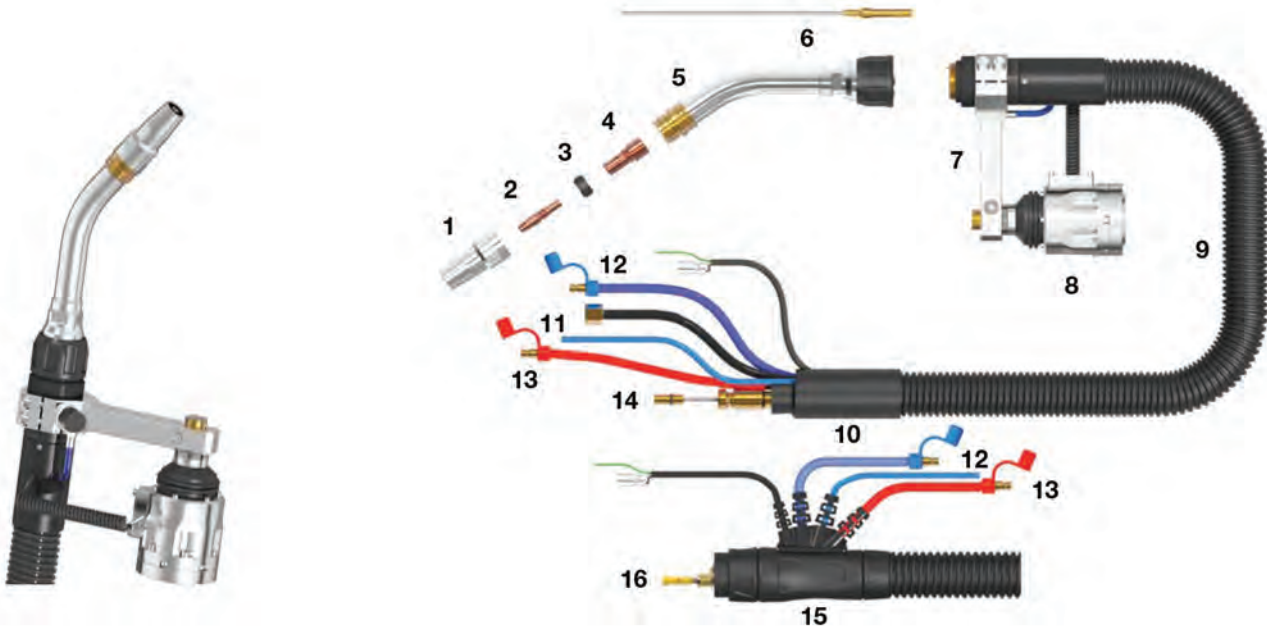
Neck angle	Distance X	Distance Y	Neck Part Number
22	250.8	51.0	PW0101D22
22	350.8	51.0	PW0101D22L100
22	410.8	51.0	PW0101D22L160
22	465.8	51.0	PW0101D22L215
35	255.9	84.4	PW0101
35	355.9	84.4	PW0101L100
35	415.9	84.4	PW0101L160
35	470.9	84.4	PW0101L215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR01	0.4Kg

RW602

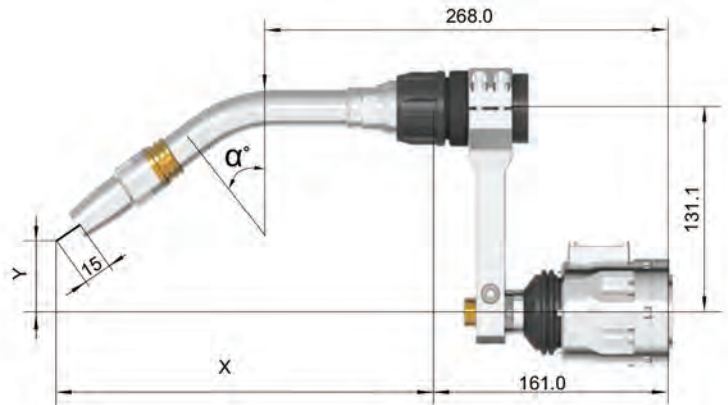
Through Arm Robotic MIG Torch Water Cooled, 600A CO₂,
550A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RW602-10ER	Complete torch with Euro fitting 1.0m long
RW602-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	RPA0203	Welding nozzle Ø16mm
2	XP3003-10	Contact tip AL 1.0mm (.040")CuCrZr
	XP3003-12	Contact tip AL 1.2mm (.045")CuCrZr
	XP3003-14	Contact tip AL 1.4mm (.055")CuCrZr
	XP3003-16	Contact tip AL 1.6mm (1/16") CuCrZr
3	XP3004B-S*	Moulded heat shield
4	PW0104	Tip Adaptor M10
5	PW0101	Neck assembly
6	RW0402J-12	Neck liner 1.0-1.2mm
	RW0402J-16*	Neck liner 1.2-1.6mm
7	RW0202J	Mounting arm
8	RSR02	Collision sensor assembly
9	RW0125B-10	Cable assembly 1m
10	RW0119S	Panasonic connector
11	GG048K	Gas connection 9/16"-18 UNF
12	B5023	water connector
13	B5017	Water outlet hose (red)
14	RW0122-12	Wire liner Pana 1.0-1.2mm
	RW0122-16	Wire liner Pana 1.2-1.6mm
15	B5098-RWS	Euro connector assembly
16	B5033-30	Wire liner Euro 1.0-1.2mm
	B5034-30	Wire liner Euro 1.2-1.6mm



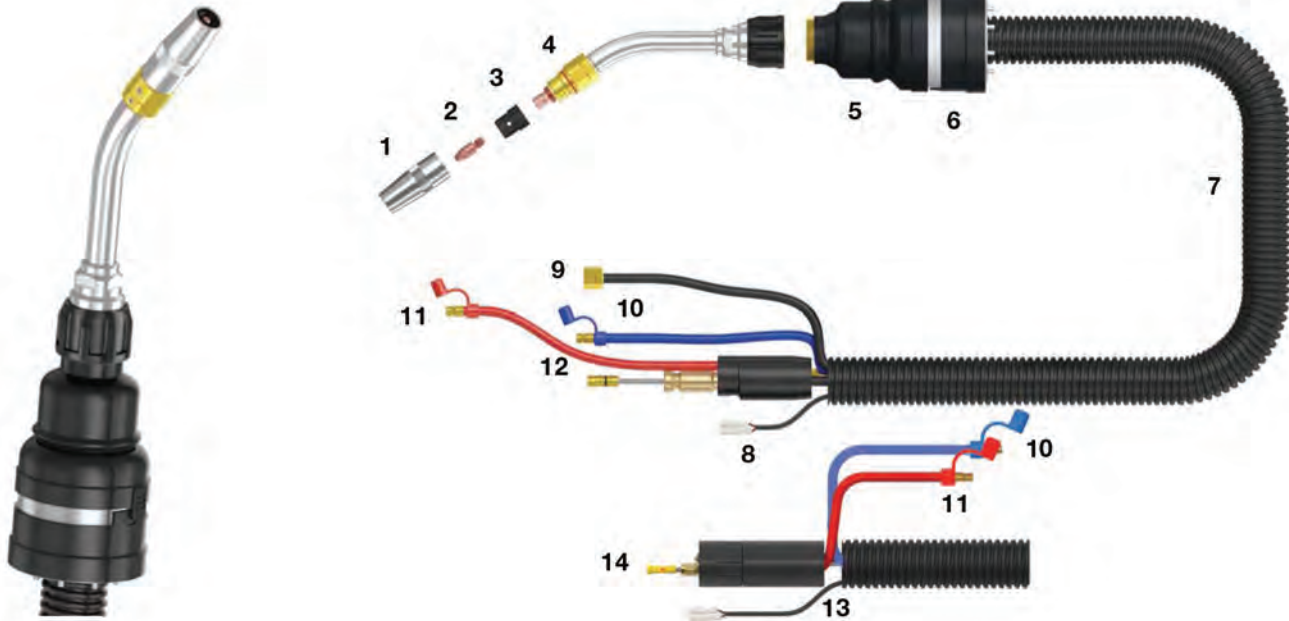
Neck angle	Distance X	Distance Y	Neck Part Number
22	250.8	80.1	PW0101D22
22	350.8	80.1	PW0101D22L100
22	410.8	80.1	PW0101D22L160
22	465.8	80.1	PW0101D22L215
35	255.9	46.6	PW101
35	355.9	46.6	PW0101L100
35	415.9	46.6	PW0101L160
35	470.9	46.6	PW0101L215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR02	0.6Kg
PSR02A	3.5Kg

RW501

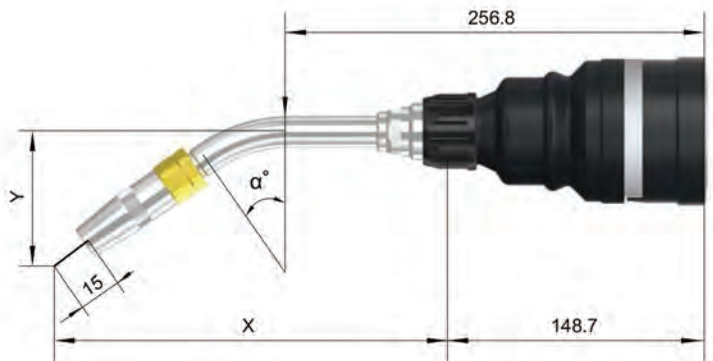
Through Arm Robotic MIG Torch Water Cooled, 500A CO₂,
450A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RW501-10ER	Complete torch with Euro fitting 1.0m long
RW501-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	RW0109	Welding nozzle Ø17mm
2	B4014-10	Contact tip .040"/1.0mm M8 copper
	B4014-12	Contact tip .045"/1.2mm M8 copper
	B4014-16	Contact tip 1/16"/1.6mm M8 copper
	B4015-12*	Contact tip .045"/1.2mm M8 chrome zirconium copper
	B4015-16	Contact tip 1/16"/1.6mm M8 chrome zirconium copper
3	RW0107	Gas Diffuser
4	RW0301	Neck assembly
5	RW0110Z	Neck connector assembly
6	RSR01	Collision sensor assembly
7	RW0125	Cable assembly
8	RW0119	Panasonic connector assembly
9	GG048K	Gas connection 9/16"-18 UNF
10	B5023	Water connector
11	B5017	Water outlet hose (red)
12	RW0122-12	Wire liner Pana 1.0-1.2mm
	RW0122-16	Wire liner Pana 1.2-1.6mm
13	B5098-RW	Euro connector assembly
14	B5033-30	Wire liner Euro 1.0-1.2mm
	B5034-30	Wire liner Euro 1.2-1.6mm



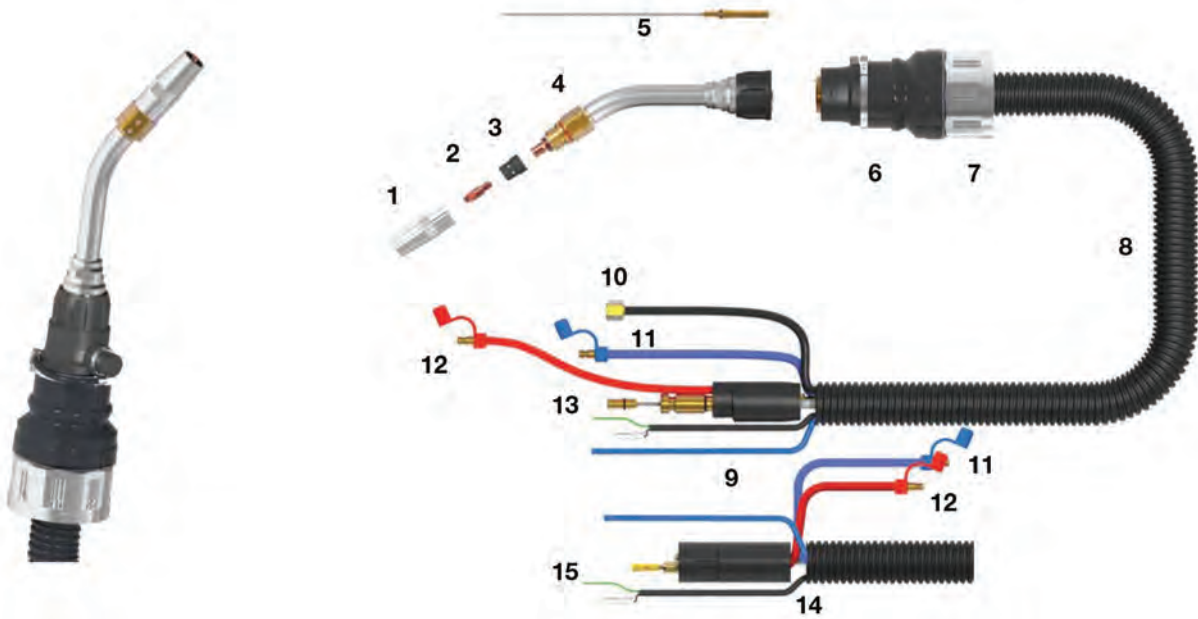
Neck angle	Distance X	Distance Y	Neck Part Number
22	260.0	46.1	PW0301D22
22	360.0	46.1	PW0301D22L100
22	420.0	46.1	PW0301D22L160
22	475.0	46.1	PW0301D22L215
35	246.1	76.7	PW0301
35	346.1	76.7	PW0301L100
35	406.1	76.7	PW0301L160
35	461.1	76.7	PW0301J215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
RSR01	0.45Kg

RW501J

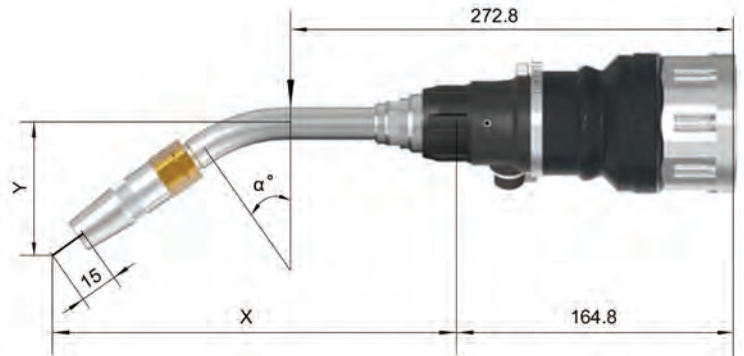
Through Arm Robotic MIG Torch Water Cooled, 500A CO₂,
450A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RW501J-10ER	Complete torch with Euro fitting 1.0m long
RW501J-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	RW0109	Welding nozzle Ø17mm
2	B4014-10	Contact tip .040"/1.0mm M8 copper
	B4014-12	Contact tip .045"/1.2mm M8 copper
	B4014-16	Contact tip 1/16"/1.6mm M8 copper
	B4015-12*	Contact tip .045"/1.2mm M8 chrome zirconium copper
	B4015-16	Contact tip 1/16"/1.6mm M8 chrome zirconium copper
3	RW0107	Gas Diffuser
4	RW0301J	Neck assembly
5	RW0402J-12	Neck liner 1.0-1.2mm
	RW0402J-16*	Neck liner 1.2-1.6mm
6	PW0108A	Neck connector assembly
7	PSR01	Collision sensor assembly
8	RW0125A-10	Cable assembly 1m
9	RW0119	Panasonic connector
10	GG048K	Gas connection 9/16"-18 UNF
11	B5023	Water connector
12	B5017	Water outlet hose (red)
13	RW0122-12	Wire liner Pana 1.0-1.2mm
	RW0122-16	Wire liner Pana 1.2-1.6mm
14	B5098-RW	Euro connector assembly
15	B5033-30	Wire liner Euro 1.0-1.2mm
	B5034-30	Wire liner Euro 1.2-1.6mm



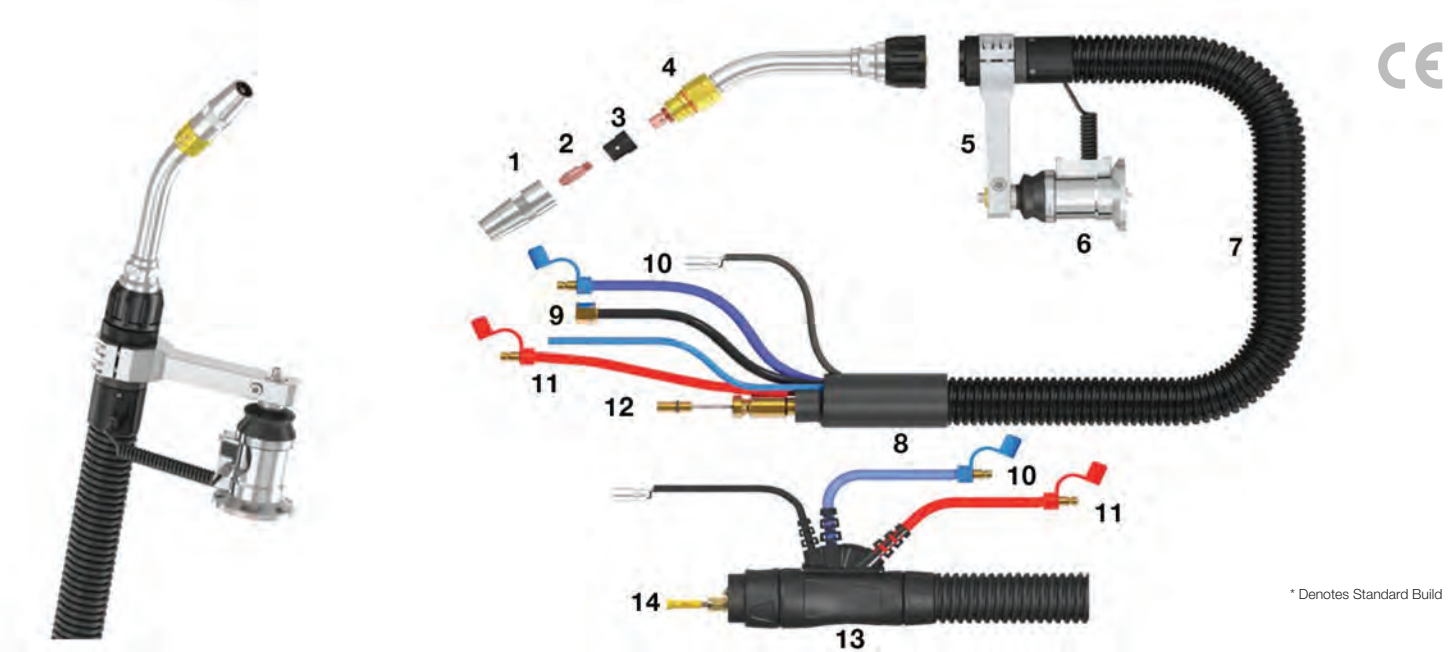
Neck angle	Distance X	Distance Y	Neck Part Number
22	260	46.1	RW0301JD22
22	360	46.1	RW0301JD22L100
22	420	46.1	RW0301JD22L160
22	475	46.1	RW0301JD22L215
35	246.1	76.7	RW0301J
35	346.1	76.7	RW0301JL100
35	406.1	76.7	RW0301JL160
35	461.1	76.7	RW0301JL215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
RSR01	0.4Kg

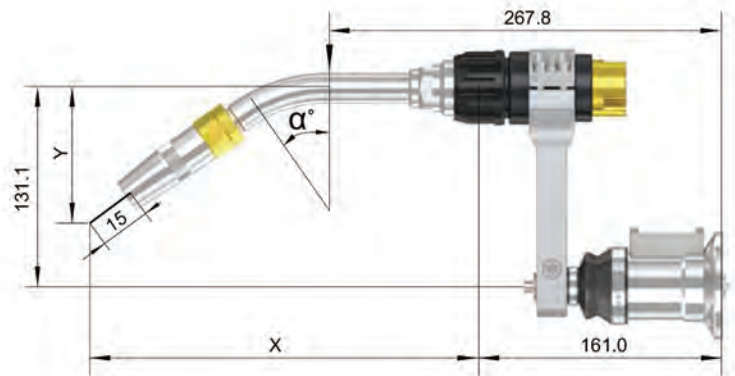
RW502

Robotic MIG Torch Water Cooled, 500A CO₂,
450A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



STOCK CODE	DESCRIPTION
RW502-10ER	Complete torch with Euro fitting 1.0m long
RW502-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	RW0109	Welding nozzle Ø17mm
2	B4014-10	Contact tip .040"/1.0mm M8 copper
	B4014-12	Contact tip .045"/1.2mm M8 copper
	B4014-16	Contact tip 1/16"/1.6mm M8 copper
	B4015-12*	Contact tip .045"/1.2mm M8 chrome zirconium copper
	B4015-16	Contact tip 1/16"/1.6mm M8 chrome zirconium copper
3	RW0107	Gas Diffuser
4	RW0301	Neck assembly
5	RW0202	Mounting arm
6	RSR02	Collision sensor
7	RW0125-10	Cable assembly 1m
8	RW0119S	Panasonic connector assembly
9	GG048K	Gas connection 9/16"-18 UNF
10	B5023	Water connector
11	B5017	Water outlet hose (red)
12	RW0122-12	Wire liner Pana 1.0-1.2mm
	RW0122-16	Wire liner Pana 1.2-1.6mm
13	B5098-RWS	Euro connector assembly
14	B5033-30	Wire liner Euro 1.0-1.2mm
	B5034-30	Wire liner Euro 1.2-1.6mm



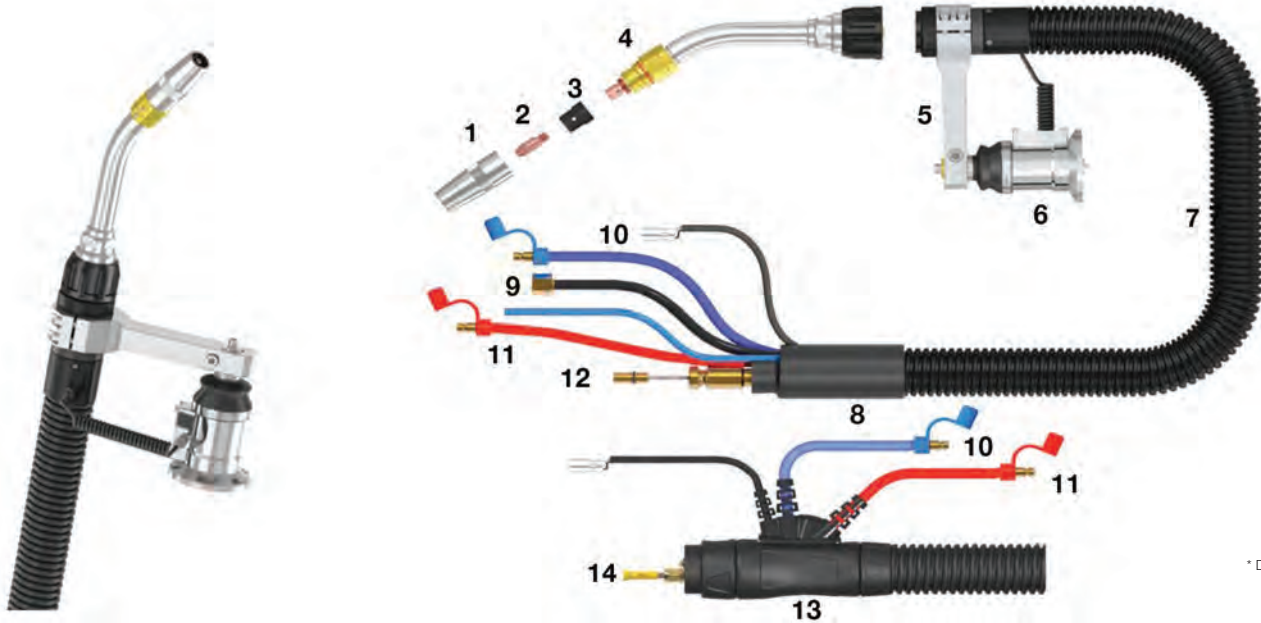
Neck angle	Distance X	Distance Y	Neck Part Number
22	260	46.1	RW0301D22
22	360	46.1	RW0301D22L100
22	420	46.1	RW0301D22L160
22	475	46.1	RW0301D22L215
35	246.1	76.7	RW0301
35	346.1	76.7	RW0301L100
35	406.1	76.7	RW0301L160
35	461.1	76.7	RW0301L215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
RSR02	0.7Kg
RSR02A	4.0Kg

RW502J

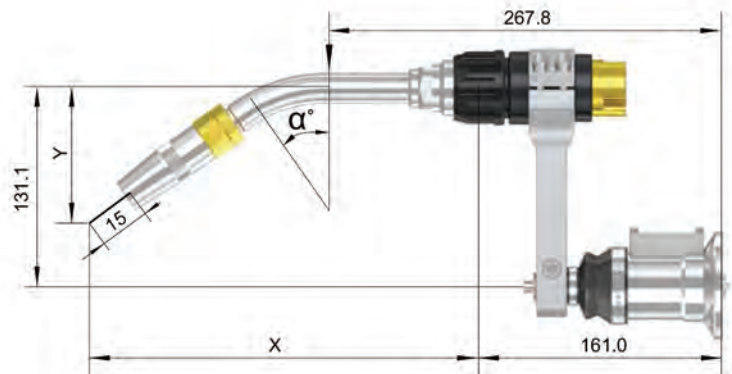
Robotic MIG Torch Water cooled, 500A CO₂,
450A Mixed gas 100% duty cycle, wire diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RW502J-10ER	Complete torch with Euro fitting 1.0m long
RW502J-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	RW0109	Welding nozzle Ø17mm
2	B4014-10	Contact tip .040"/1.0mm M8 copper
	B4014-12	Contact tip .045"/1.2mm M8 copper
	B4014-16	Contact tip 1/16"/1.6mm M8 copper
	B4015-12*	Contact tip .045"/1.2mm M8 chrome zirconium copper
	B4015-16	Contact tip 1/16"/1.6mm M8 chrome zirconium copper
3	RW0107	Gas Diffuser
4	RW0301J	Neck assembly
5	RW0402J-12	Neck liner 1.0-1.2mm
	RW0402J-16*	Neck liner 1.2-1.6mm
6	RW0202J	Connect block assembly
7	PSR02	Collision sensor assembly
8	RW0202J-10	Cable assembly 1m
9	RW0119S	Panasonic connector
10	GG048K	Gas connection 9/16"-18 UNF
11	B5023	Water connector
12	B5017	Water outlet hose (red)
13	RW0122-12	Wire liner Pana 1.0-1.2mm
	RW0122-16	Wire liner Pana 1.2-1.6mm
14	B5098-RWS	Euro connector assembly
15	B5033-30	Wire liner Euro 1.0-1.2mm
	B5034-30	Wire liner Euro 1.2-1.6mm



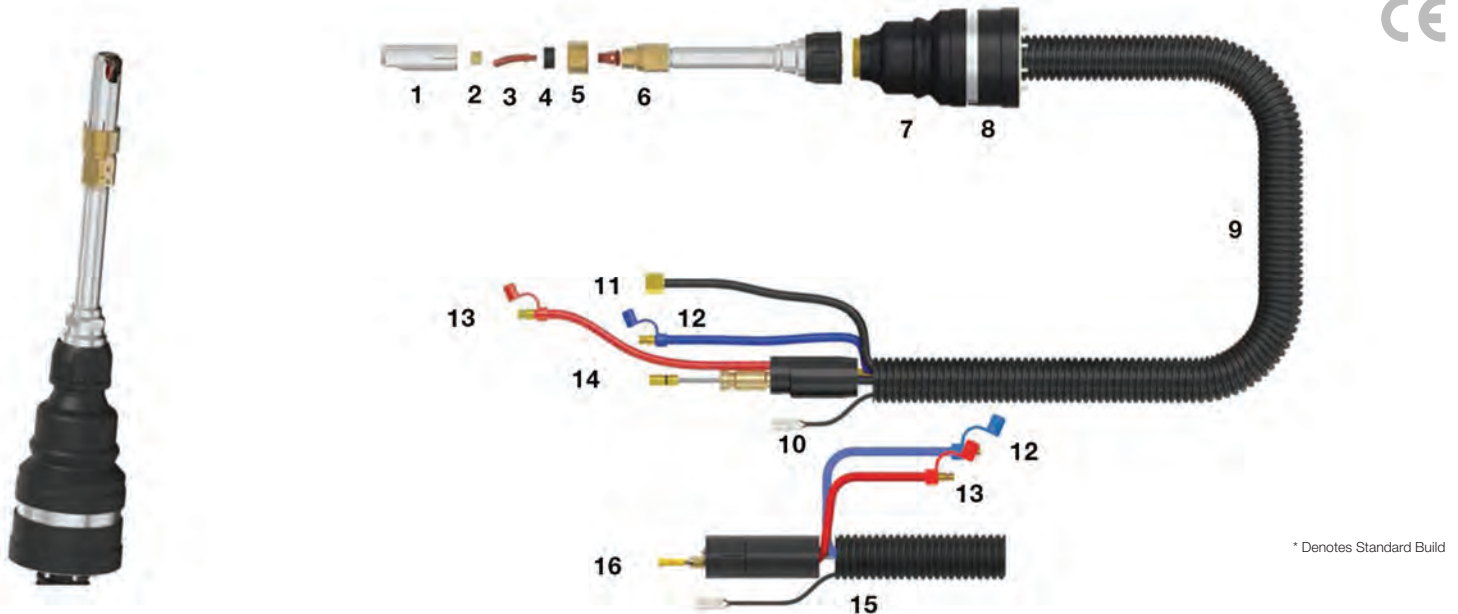
Neck angle	Distance X	Distance Y	Neck Part Number
22	260	46.1	RW0301jD22
22	360	46.1	RW0301jD22L100
22	420	46.1	RW0301jD22L160
22	475	46.1	RW0301jD22L215
35	246.1	76.7	RW0301j
35	346.1	76.7	RW0301jL100
35	406.1	76.7	RW0301jL160
35	461.1	76.7	RW0301jL215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
RSR02	0.7Kg
RSR02A	4.0Kg

RW503

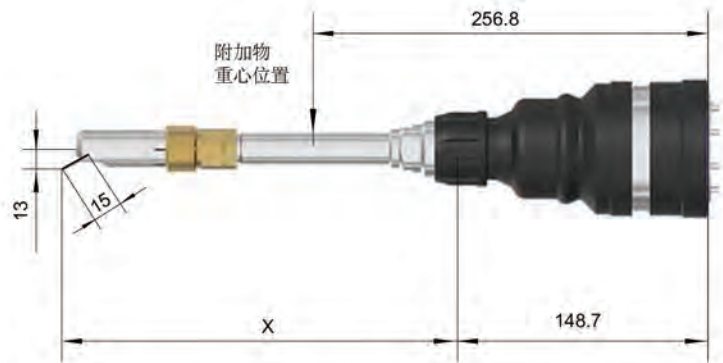
Through Arm Robotic MIG Root Welding Torch, Water Cooled,
500A CO₂, 450A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RW503-10ER	Complete torch with Euro fitting 1.0m long
RW503-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	NRW0107	Root nozzle
2	NRW0109	Tip lock nut M10
3	NRW0106-10	Contact tip .040"/1.0mm chromium zirconium copper
	NRW0106-12*	Contact tip .045"/1.2mm chromium zirconium copper
	NRW0106-16	Contact tip 1/16"/1.6mm chromium zirconium copper
4	NRW0105	Heat shield
5	NRW0108	Nozzle Lock nuts M26
6	NRW0101	Neck Assembly
7	RW0110Z	Torch neck connector assembly
8	RSR01	Collision sensor assembly
9	RW125	Cable assembly
10	RW0119	Panasonic connector
10	GG048K	Gas connection 9/16"-18 UNF
11	B5023	Water connector
12	B5017	Water outlet hose (red)
13	RW0122-12	Wire liner Pana 1.0-1.2mm
	RW0122-16	Wire liner Pana 1.2-1.6mm
14	B5098-RW	Euro connector assembly
15	B5033-30	Wire liner Euro 1.0-1.2mm
	B5034-30	Wire liner Euro 1.2-1.6mm



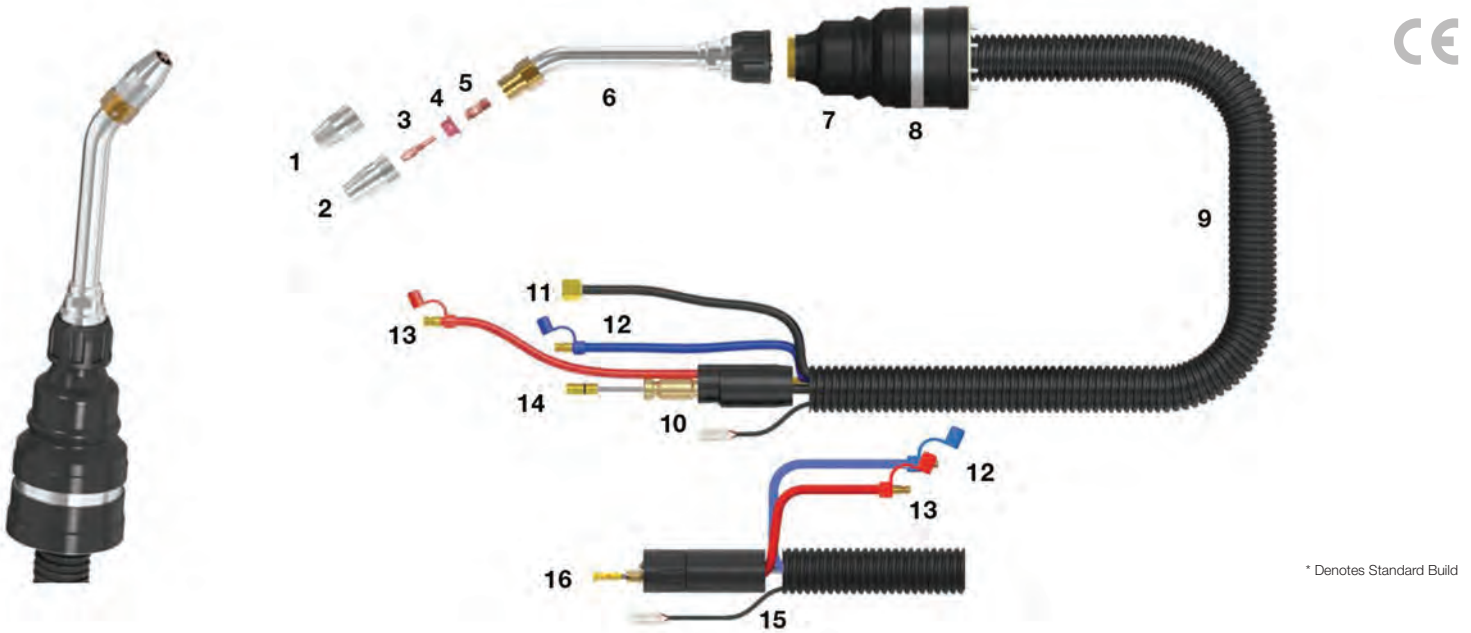
Distance X	Neck Part Number
260	NRW0101
360	NRW0101L100
420	NRW0101L160
475	NRW0101L215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
RSR01	0.45Kg

RW503S

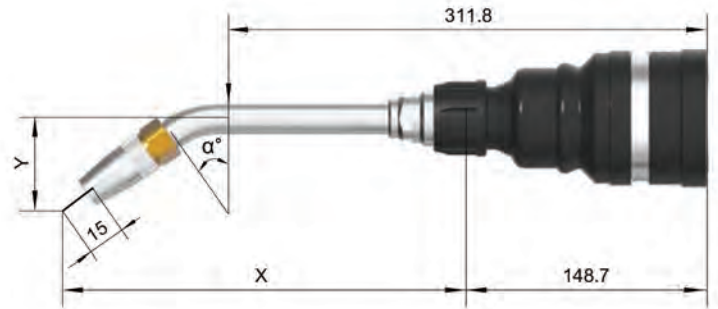
Through Arm Robotic MIG Welding Torch, Water Cooled, 500A CO₂,
450A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RW503S-10ER	Complete torch with Euro fitting 1.0m long
RW503S-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	RW0105	Short conical nozzle Ø14mm 42mm length
2	RW105A	Long conical nozzle Ø16mm 47mm length
3	RWS103A-10A	Contact tip .040"/1.0mm M6 copper
	RWS103A-12A	Contact tip .045"/1.2mm M6 copper
	RWS103A-16A	Contact tip 1/16"/1.6mm M6 copper
	RWS103-12	Contact tip .045"/1.2mm M6 chromium zirconium copper
	RWS103-16	Contact tip 1/16"/1.6mm M6 chromium zirconium copper
4	RWS104	Gas Diffuser
5	RWS102	Contact tip holder
6	RWS101	Neck assembly
7	RW0110Z	Torch neck connector assembly
8	RSR01	Collision sensor assembly
9	RW0125-10	Cable assembly 1.0m
10	RW0119	Panasonic connector
11	GG048K	Gas connection 9/16"-18 UNF
12	B5023	Water connector
13	B5017	Water outlet hose (red)
14	RW0122-12 RW0122-16	Wire liner Pana 1.0-1.2mm Wire liner Pana 1.2-1.6mm
15	B5098-RW	Euro connector assembly
16	B5033-30 B5034-30	Wire liner Euro 1.0-1.2mm Wire liner Euro 1.2-1.6mm



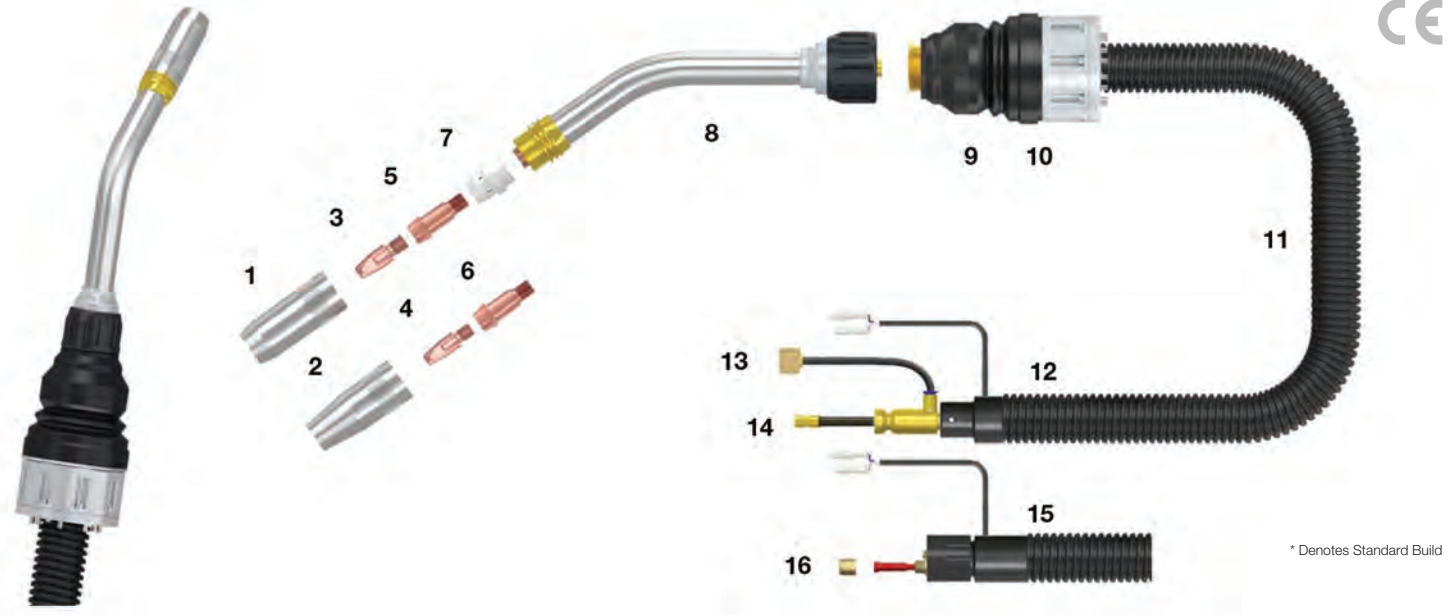
Neck angle	Distance X	Distance Y	Neck Part Number
22	261.5	42.3	RSW0301D22
22	361.5	42.3	RSW0301D22L100
22	421.5	42.3	RSW0301D22L160
35	255.9	55.0	RSW0301
35	355.9	55.0	RSW0301L100
35	415.9	55.0	RSW0301L160

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
RSR01	0.35Kg

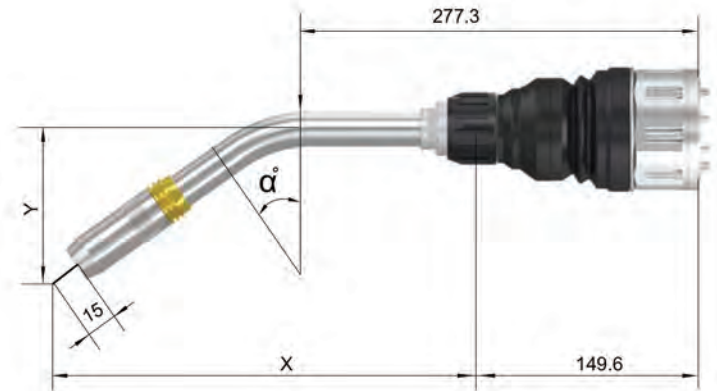
RA501

Through Arm Robotic MIG Welding Torch, Air Cooled, 500A CO₂,
400A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



STOCK CODE	DESCRIPTION
RW501-10ER	Complete torch with Euro fitting 1.0m long
RW501-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	PBW0108A	Conical nozzle Ø19mm
2	PBW0107A	Taper Nozzle Ø16mm
3	B6015-16	Contact tip 1.6mm
	B6015-24	Contact tip 2.4mm
	B6015-32	Contact tip 3.2mm
4	B4015-08	Contact tip 0.8mm/.030" chrome zirconium copper
	B4015-10	Contact tip 1.0mm/.040" chrome zirconium copper
	B4015-12	Contact tip 1.2mm/.045" chrome zirconium copper
	B4015-14	Contact tip 1.4mm/.055" chrome zirconium copper
	B4015-16	Contact tip 1.6mm/1/16" chrome zirconium copper
	B4015-24	Contact tip 2.4mm/3/32" chrome zirconium copper
5	RP6003M10	Contact tip holder M10
6	RP6003M8	Contact tip holder M8
7	B6002C	Diffuser
8	RPA0101	Neck assembly
9	RPA101-13S	Neck connection block
10	PSR01	Collision sensor assembly
11	RCP900-02-10	Cable assembly 1.0m
12	RCP900-12S	Panasonic connector assembly
13	GG048K	Gas connection 9/16"-18 UNF
14	RCP900-7-10	Wire liner Pana 0.8--1.0mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
15	RCP500-2ES	Euro connector assembly
16	A44-3545-15	Wire liner Euro 0.9-1.2mm
	A44-116-45	Wire liner Euro 1.6mm

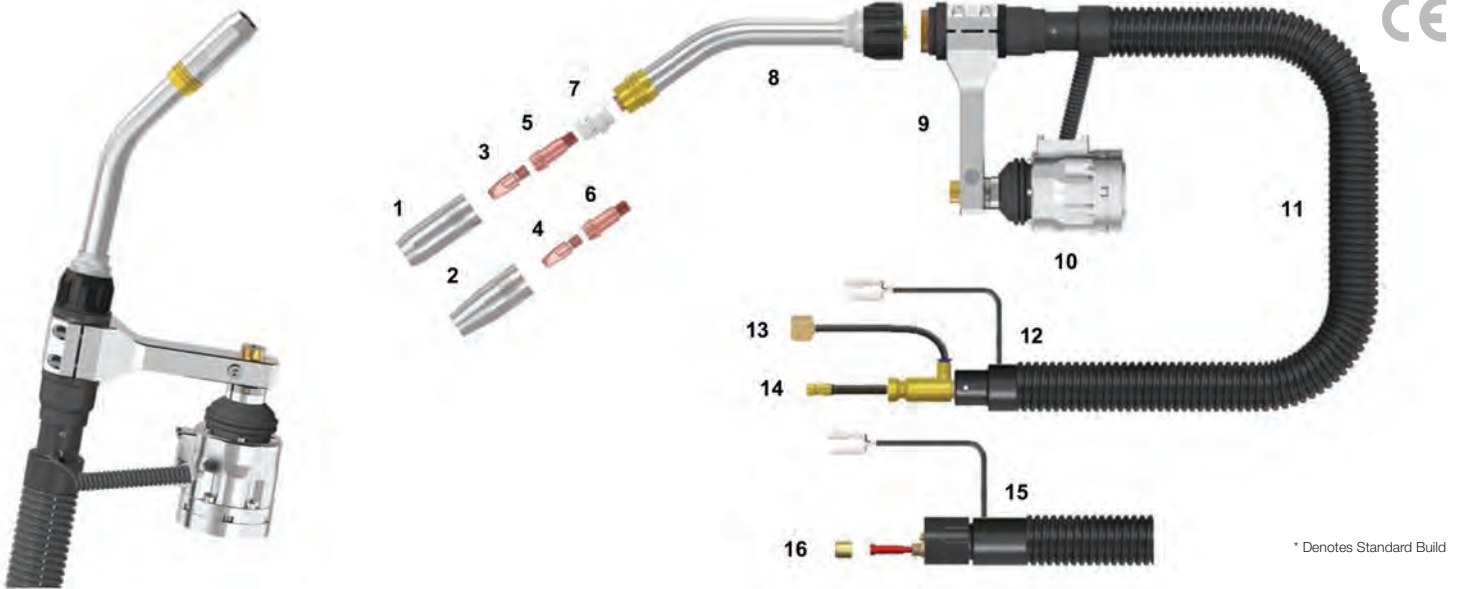


Neck angle	Distance X	Distance Y	Neck Part Number
22	313.1	60.6	RPA0101D22
22	413.1	60.6	RPA0101D22L100
22	473.1	60.6	RPA0101D22L160
22	528.1	60.6	RPA0101D22L215
35	294.9	99.0	RPA0101
35	394.9	99.0	RPA0101L100
35	494.9	99.0	RPA0101L160
35	509.4	99.0	RPA0101L215

CRASH SENSOR INFORMATION	
Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR01	0.4Kg

RA502

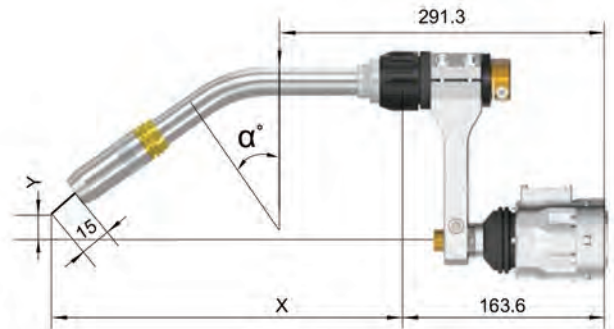
Robotic MIG Welding Torch, Air Cooled, 500A CO₂,
400A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RA502-10ER	Complete torch with Euro fitting 1.0m long
RA502-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	PBW0108A	Conical nozzle Ø19mm
2	PBW0107A	Taper Nozzle Ø16mm
3	B6015-16	M10 Contact tip 1.6mm
	B6015-24	M10 Contact tip 2.4mm
	B6015-32	M10 Contact tip 3.2mm
4	B4015-08	Contact tip 0.8mm/.030" chrome zirconium copper
	B4015-10	Contact tip 1.0mm/.040" chrome zirconium copper
	B4015-12	Contact tip 1.2mm/.045" chrome zirconium copper
	B4015-14	Contact tip 1.4mm/.055" chrome zirconium copper
	B4015-16	Contact tip 1.6mm/1/16" chrome zirconium copper
	B4015-24	Contact tip 2.4mm/3/32" chrome zirconium copper
5	RP6003M10	Contact tip holder M10
6	RP6003M8	Contact tip holder M8
7	B6002C	Diffuser
8	RPA0101	Neck assembly
9	PY102S	Mounting arm assembly
10	PSR02	Collision sensor assembly
11	RCP900-02-10	Cable assembly 1.0m
12	RCP900-12S	Panasonic connector assembly
13	GG048K	Gas connection 9/16"-18 UNF
14	RCP900-7-10	Wire liner Pana 0.8--1.0mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
15	RCP500-2ES	Euro connector assembly
16	A44-3545-15	Wire liner Euro 0.9-1.2mm
	A44-116-45	wire liner Euro 1.6mm



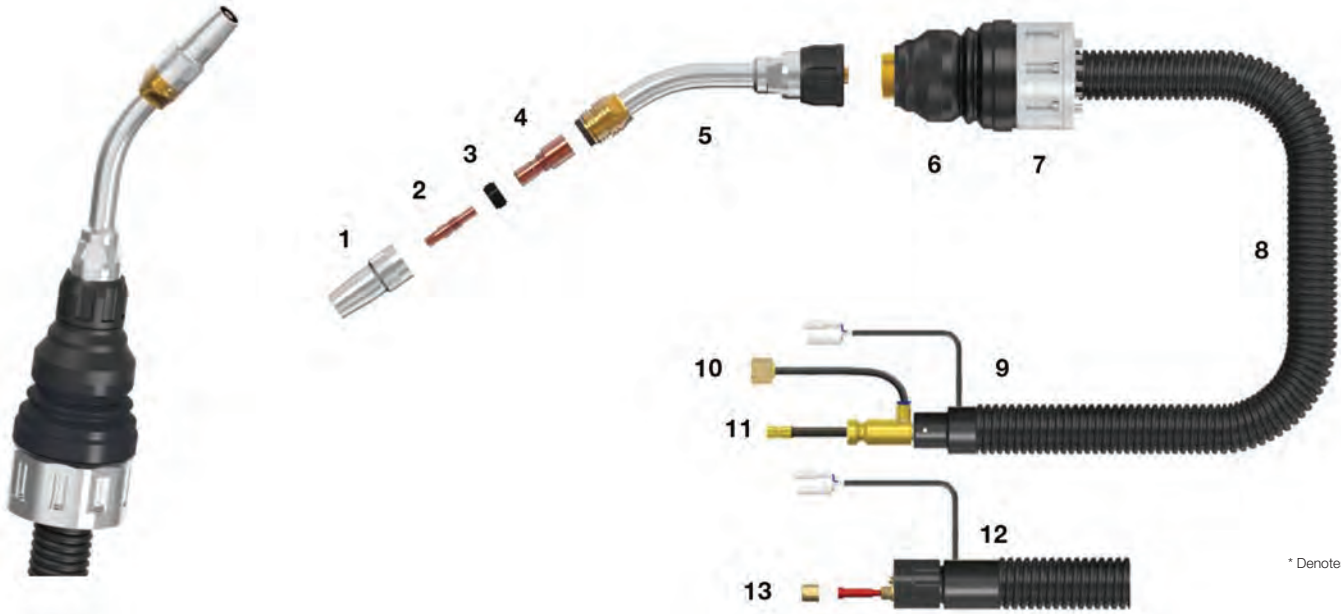
Neck angle	Distance X	Distance Y	Neck Part Number
22	313.1	70.3	RPA0101D22
22	413.1	70.3	RPA0101D22L100
22	473.1	70.3	RPA0101D22L160
22	528.1	70.3	RPA0101D22L215
35	294.9	31.9	RPA0101
35	394.9	31.9	RPA0101L100
35	494.9	31.9	RPA0101L160
35	509.4	31.9	RPA0101L215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR01	0.6Kg
PSR02A	3.5Kg

RA401

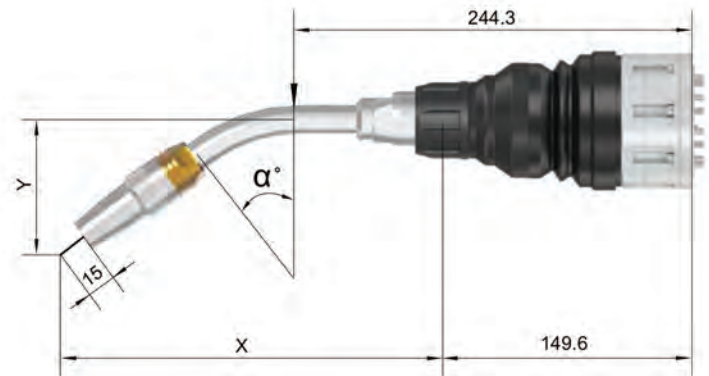
Through Arm Robotic MIG Torch Air Cooled, 400A CO₂,
350A Mixed Gas 60% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RA401-10ER	Complete torch with Euro fitting 1.0m long
RA401-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	RPA0203	Welding nozzle Ø16mm
2	XP3003-08	Contact tip 0.8mm (.040") CuCrZr
	XP3003-10	Contact tip 1.0mm (.040") CuCrZr
	XP3003-12	Contact tip 1.2mm (.045") CuCrZr
	XP3003-14	Contact tip 1.4mm (.055") CuCrZr
	XP3003-16	Contact tip 1.6mm (1/16") CuCrZr
3	XP3004B-S*	Moulded heat shield
4	RPA0202	Tip Adaptor M10
5	RPA201B	Neck assembly
6	PSR01	Crash Sensor assembly
7	RFR01-1	Flange connecting discs
8	RCP900-02	Cable assembly
9	RCP900-12S	Panasonic connector assembly
10	GG048K	Gas connection 9/16"-18 UNF
11	RCP900-7-10	Wire liner Pana 0.8-1.0mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
	RCP900-7-12	Wire liner Pana 1.2-1.6mm
12	RCP500-2ES	Euro connector assembly
13	A44-3545-15	Wire liner Euro 0.9-1.2mm
	A44-116-45	Wire liner Euro 1.6mm



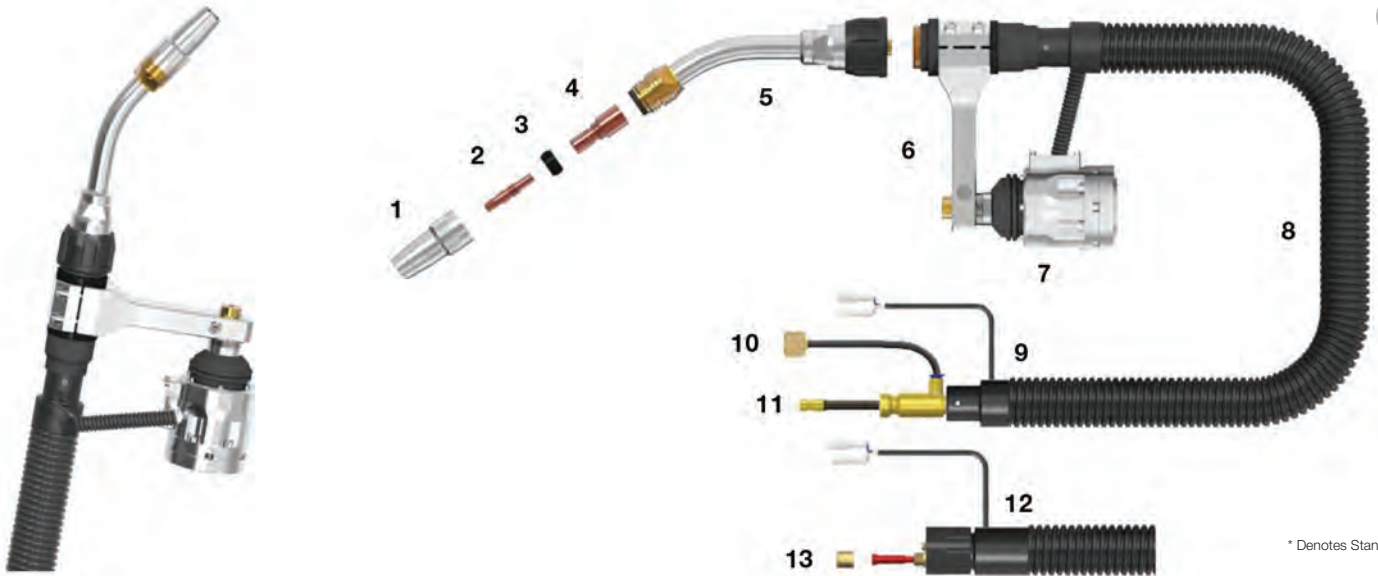
Neck angle	Distance X	Distance Y	Neck Part Number
22	248.8	59.0	RPA201BD22
22	348.8	59.0	RPA201BD22L100
22	408.8	59.0	RPA201BD22L160
22	463.8	59.0	RPA201BD22L215
35	240.5	80.0	RPA201B
35	340.5	80.0	RPA201BL100
35	400.5	80.0	RPA201BL160
35	455.5	80.0	RPA201BL215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR01	0.45Kg

RA402

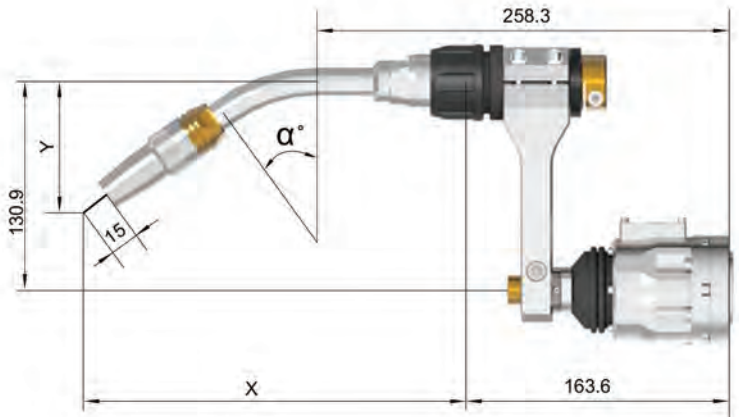
Robotic MIG Torch Air Cooled, 400A CO₂, 350A Mixed Gas
60% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RA402-10ER	Complete torch with Euro fitting 1.0m long
RA402-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
1	RPA0203	Welding nozzle Ø16mm
2	XP3003-08	Contact tip 0.8mm (.040") CuCrZr
	XP3003-10	Contact tip 1.0mm (.040") CuCrZr
	XP3003-12	Contact tip 1.2mm (.045") CuCrZr
	XP3003-14	Contact tip 1.4mm (.055") CuCrZr
	XP3003-16	Contact tip 1.6mm (1/16") CuCrZr
3	XP3004B-S*	Moulded heat shield
4	RPA0202	Tip Adaptor M10
5	RPA201B	Neck assembly
6	PY102S	Mounting arm assembly
7	PSR02	Collision sensor assembly
8	RCP900-02-10	Cable assembly 1.0m
9	RCP900-12S	Panasonic connector assembly
10	GG048K	Gas connection 9/16"-18 UNF
11	RCP900-7-10	Wire liner Pana 0.8-1.0mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
	RCP900-7-16	Wire liner Pana 1.2-1.6mm
12	RCP500-2ES	Euro connector assembly
13	A44-3545-15	Wire liner Euro 0.9-1.2mm
	A44-116-45	Wire liner Euro 1.6mm



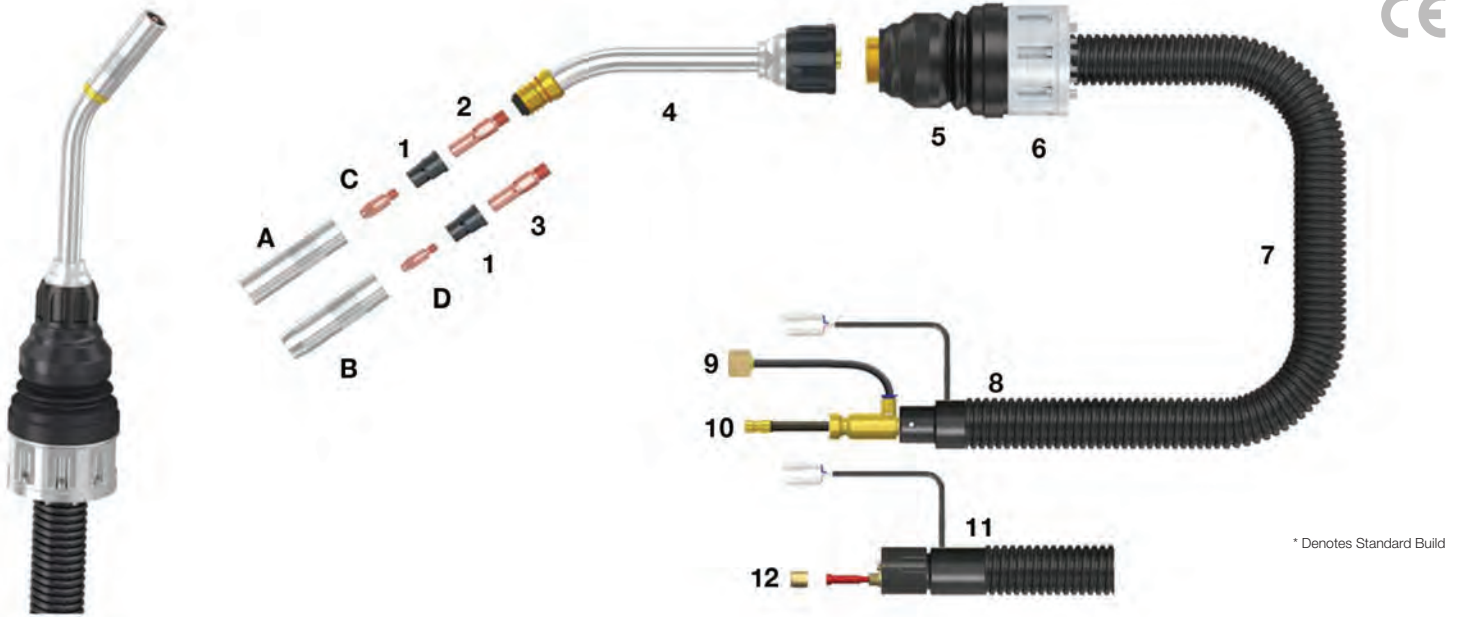
Neck angle	Distance X	Distance Y	Neck Part Number
22	248.8	59.0	RPA201BD22
22	348.8	59.0	RPA201BD22L100
22	408.8	59.0	RPA201BD22L160
22	463.8	59.0	RPA201BD22L215
35	240.5	80.0	RPA201B
35	340.5	80.0	RPA201BL100
35	400.5	80.0	RPA201BL160
35	455.5	80.0	RPA201BL215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR02	0.7Kg
PSR02A	4.0Kg

RA351

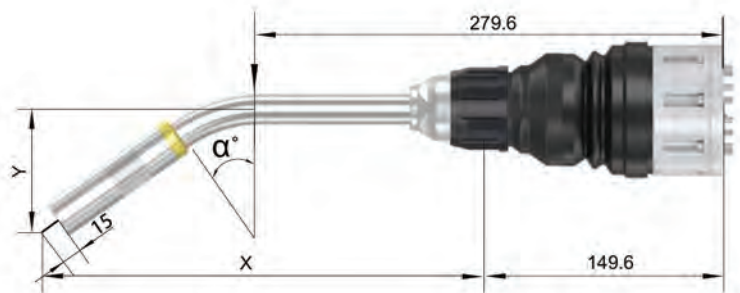
Through Arm Robotic MIG Torch Air Cooled, 350A CO₂,
300A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RA351-10ER	Complete torch with Euro fitting 1.0m long
RA351-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
A	RA350PA*	Nozzle 76mm Ø16.5mm
	RA350PB	Nozzle 78.5mm Ø16.5mm
	RA350PC	Nozzle 73.5mm Ø16.5mm
B	RA350ZA*	Conical Nozzle 76mm Ø14mm
	RA350ZB	Conical Nozzle 78.5mm Ø14mm
	RA350ZC	Conical Nozzle 73.5mm Ø14mm
C	B 4015-08	Contact tip 0.030"/0.8mm M8 chromium zirconium copper
	B 4015-10	Contact tip 0.040"/1.0mm M8 chromium zirconium copper
	B 4015-12*	Contact tip 0.045"/1.2mm M8 chromium zirconium copper
D	B 2505-08	Contact tip 0.030"/0.8mm M6 chromium zirconium copper
	B 2505-10	Contact tip 0.040"/1.0mm M6 chromium zirconium copper
	B 2505-12*	Contact tip 0.045"/1.2mm M6 chromium zirconium copper
1	RA350L	Ceramic diffuser
2	RA350K8	Contact tip holder M8
3	RA350K6	Contact tip holder M6
4	RA350	Neck Assembly
5	RPA101-13S	Neck connection block
6	PSR01	Collision sensor assembly
7	RCP900-02-10	Cable assembly 1.0m
8	RCP900-12S	Panasonic connector assembly
9	GG048K	Gas connection 9/16"-18 UNF
10	RCP900-7-10	Wire liner Pana 0.8-1.0mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
	RCP900-7-16	Wire liner Pana 1.2-1.6mm
11	RCP500-2ES	Euro connector assembly
12	A44-3545-15	Wire liner Euro 0.9-1.2mm
	A44-116-45	Wire liner Euro 1.6mm



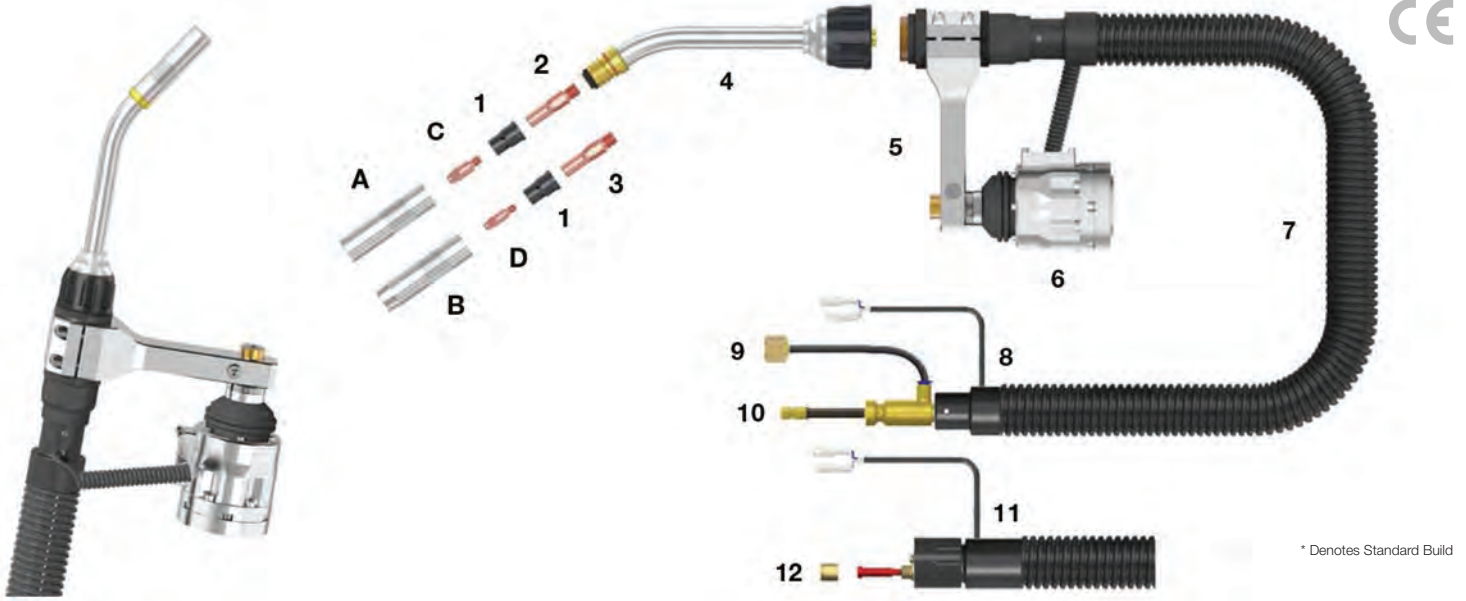
Neck angle	Distance X	Distance Y	Neck Part Number
22	271.0	43.0	RA350D22
22	371.0	43.0	RA350D22L100
22	431.0	43.0	RA350D22L160
22	486.0	43.0	RA350D22L215
35	257.5	72.5	RA350L100
35	357.0	72.5	RA350L160
35	417.0	72.5	RA350L215
35	472.0	72.5	PW0301J215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR01	0.4Kg

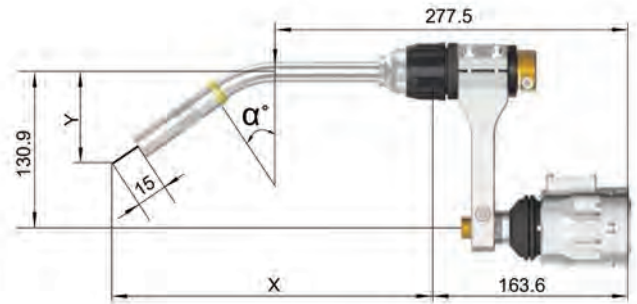
RA352

Robotic MIG Torch Air Cooled, 350A CO₂, 300A Mixed Gas
100% Duty Cycle, Wire Diameter 0.8-1.6mm



STOCK CODE	DESCRIPTION
RA352-10ER	Complete torch with Euro fitting 1.0m long
RA352-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
A	RA350PA*	Nozzle 76mm Ø16.5mm
	RA350PB	Nozzle 78.5mm Ø16.5mm
	RA350PC	Nozzle 73.5mm Ø16.5mm
B	RA350ZA*	Taper Nozzle 76mm Ø14mm
	RA350ZB	Conical Nozzle 78.5mm Ø14mm
	RA350ZC	Conical Nozzle 73.5mm Ø14mm
C	B 4015-08	Contact tip 0.030"/0.8mm M8 chromium zirconium copper
	B 4015-10	Contact tip 0.040"/1.0mm M8 chromium zirconium copper
	B 4015-12*	Contact tip 0.045"/1.2mm M8 chromium zirconium copper
D	B 2505-08	Contact tip 0.030"/0.8mm M6 chromium zirconium copper
	B 2505-10	Contact tip 0.040"/1.0mm M6 chromium zirconium copper
	B 2505-12*	Contact tip 0.045"/1.2mm M6 chromium zirconium copper
1	RA350L	Ceramic diffuser
2	RA350K8	Contact tip holder M8
3	RA350K6	Contact tip holder M6
4	RA350	Neck Assembly
5	PY102S	Mounting arm assembly
6	PSR02	Collision sensor assembly
7	RCP900-02-10	Cable assembly 1.0m
8	RCP900-12S	Panasonic connector assembly
9	GG048K	Gas connection 9/16"-18 UNF
10	RCP900-7-10	Wire liner Pana 0.8 - 1.0mm
	RCP900-7-12	Wire liner Pana 1.0 - 1.2mm
	RCP900-7-16	Wire liner Pana 1.2 - 1.6mm
11	RCP500-2ES	Euro connector assembly
12	A44-3545-15	Wire liner Euro 0.9 - 1.2mm
	A44-116-45	Wire liner Euro 1.6mm

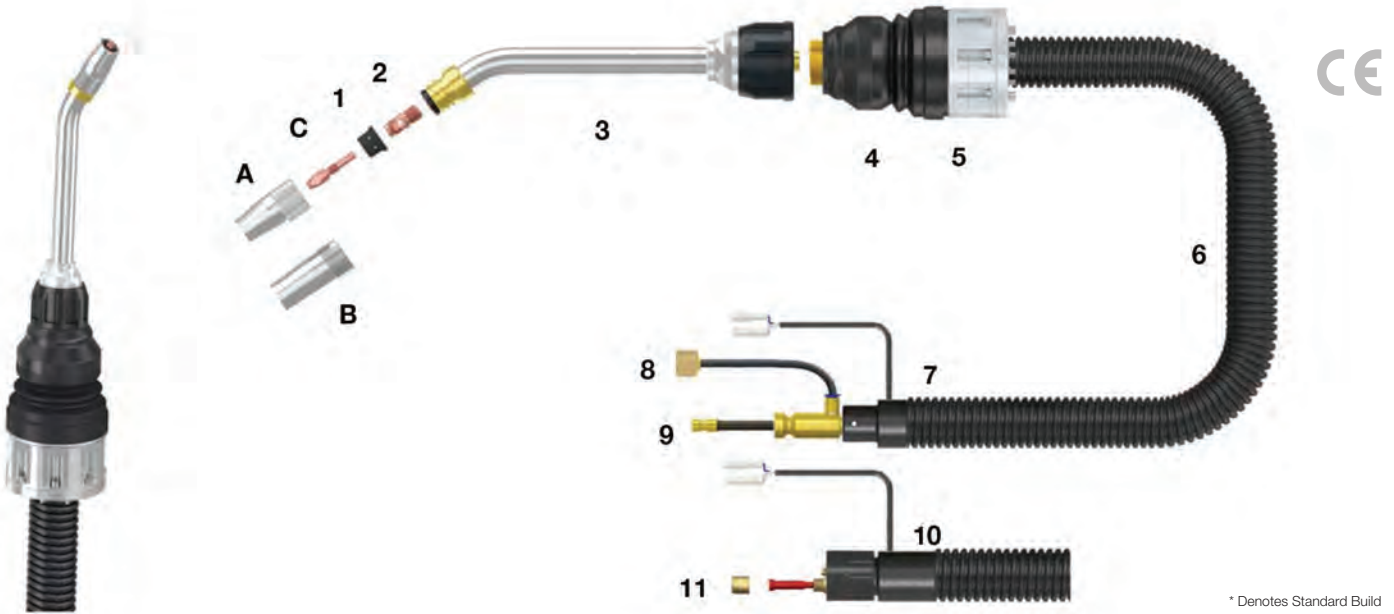


Neck angle	Distance X	Distance Y	Neck Part Number
22	271.0	43.0	RA350D22
22	371.0	43.0	RA350D22L100
22	431.0	43.0	RA350D22L160
22	486.0	43.0	RA350D22L215
35	257.5	72.5	RA350L100
35	357.0	72.5	RA350L160
35	417.0	72.5	RA350L215
35	472.0	72.5	PW0301J215

CRASH SENSOR INFORMATION	
Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR02	0.6Kg
PSR02A	3.5Kg

RA353S

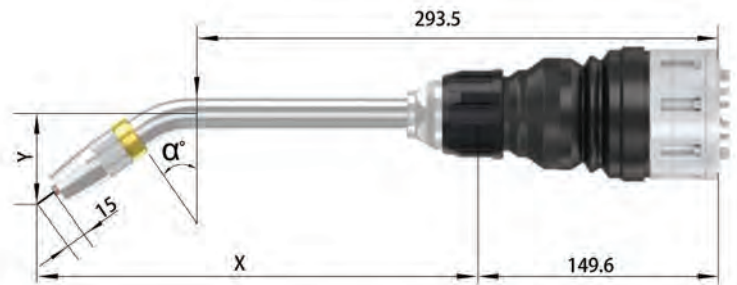
Through Arm Robotic Torch Air cooled, 350A Co², 300A Mixed gas
100% duty cycle, wire diameter 0.8-1.6mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RA353S-10ER	Complete torch with Euro fitting 1.0m long
RA353S-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

ITEM	STOCK CODE	DESCRIPTION
A	RAS350-P*	Nozzle 42mm Ø14mm
B	RAS350-PL	Nozzle 47mm Ø16mm
C	RWS103-10	Contact tip .040"/1.0mm M8 chromium zirconium copper
	RWS103-12*	Contact tip .045"/1.2mm M8 chrome zirconium copper
	RWS103-16	Contact tip 1/16"/1.6mm M8 chromium zirconium copper
1	RAS350 L	Ceramic diffuser
2	RWS102	Contact tip holder M8
3	RAS350	Neck Assembly
4	PSR01	Crash sensor
5	RFR01-1	Flange connecting disc
6	RCP900-02-10	Cable assembly 1.0m
7	RCP900-12S	Panasonic connector assembly
9	GG048K	Gas connection 9/16"-18 UNF
	RCP900-7-10	Wire liner Pana 0.8--1.0mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
	RCP900-7-16	Wire liner Pana 1.2-1.6mm
10	ACP500-2ES	Euro connector assembly
11	A44-3545-15	Wire liner Euro 0.9-1.2mm
	A44-116-45	Wire liner Euro 1.6mm



Neck angle	Distance X	Distance Y	Neck Part Number
36	237.0	52.0	RAS350
36	337.0	52.0	RAS350L100
36	397.0	52.0	RAS350L160
36	452.0	52.0	RAS350L215
45	222.5	75.5	RAS350D45
45	322.5	75.5	RAS350D45L100
45	382.5	75.5	RAS350D45L160
45	437.5	75.5	RAS350D45L215

CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR01	0.4Kg

COBOT MIG Torch Configurator

Package Stock Code Example: RA402-35-10ER-S

1	RA402
1. TORCH MODEL	
STOCK CODE	DESCRIPTION
RA402	350A Air cooled
RW402	500A Water cooled

2	-22A
2. NECK TYPE	
STOCK CODE	LENGTH (X)
22A	446.4
22B	537.0
22C	591.4
22D	641.3
35A	420.2
35B	510.9
35C	565.2
35D	615.1

3	-10
3. CABLE LENGTH	
STOCK CODE	TYPE
-10	1m
-20	2m
-30	3m

4	ER
4. END CONNECTION	
STOCK CODE	DESCRIPTION
ER	Euro connector
M	Miller style
N	NAS type (Lincoln)
PA	Panasonic type

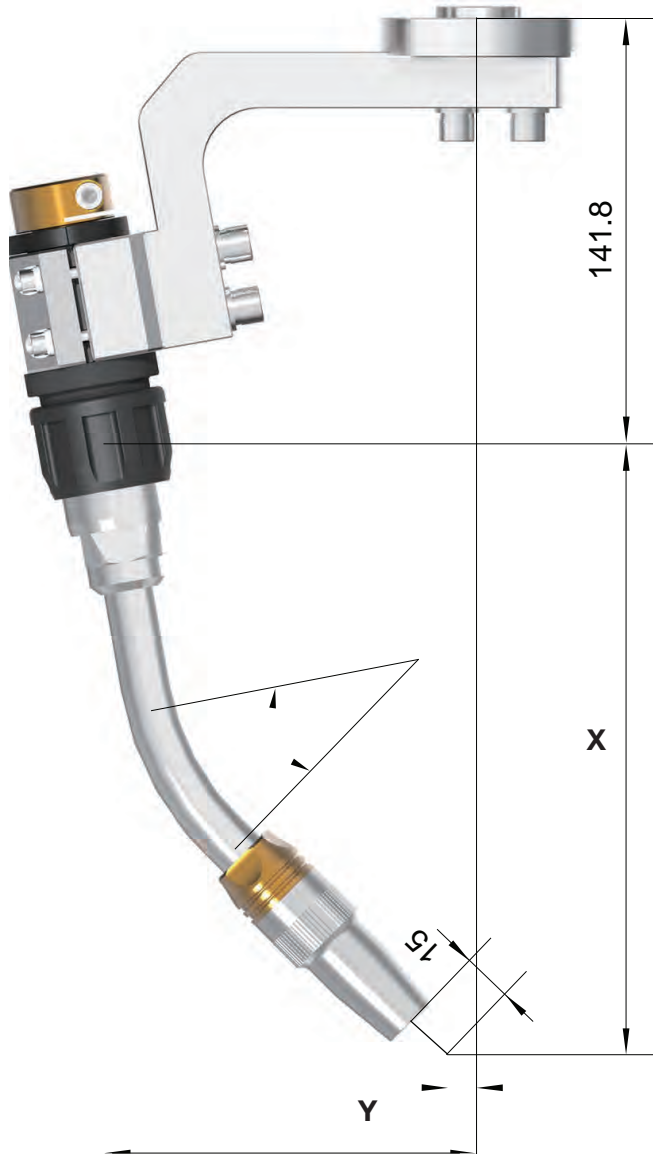
5	-S
5. NOZZLE SENSE	
STOCK CODE	DESCRIPTION
S	Sensing wire and clip installed

Torch mounting arm sold separately to the torch refer to page for dimensions

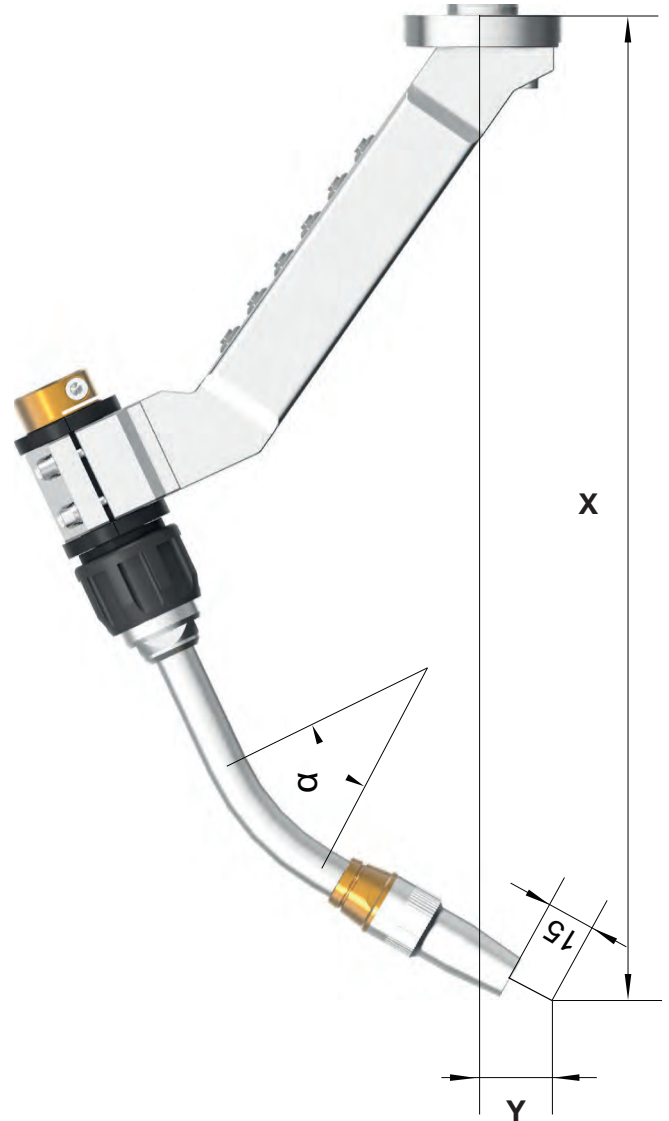
Stock Code	Description
RBY04	RA402X Mounting Arm
CRY01	RA402XS Mounting Arm with 6 buttons

Torch Neck Dimensions

RA402X MOUNTING ARM



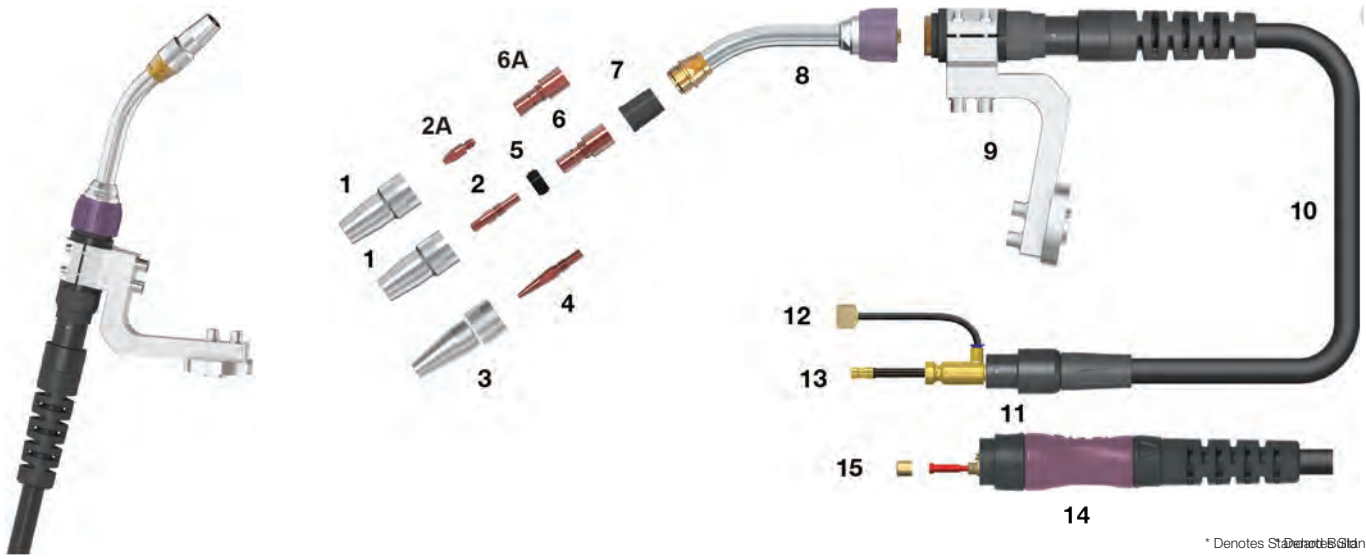
RA402XS MOUNTING ARM



RA402X

Air Cooled COBOT MIG Welding Torch

400A CO₂, 350A Mixed Gas @ 60% Duty Cycle, EN60974-7 .030"-1/16"/0.8mm to 1.6mm Wire

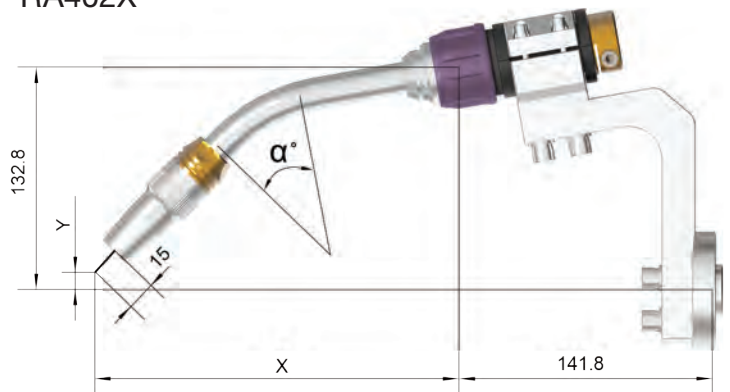


* Denotes Standard Build

STOCK CODE	DESCRIPTION
RA402X-10ER	Complete torch with Euro fitting 1.0m long
RA402X-10PNA	Complete torch with Panasonic type fitting 1.0m long
RA402X-__ER	Complete torch assembly x __m Euro connector (__ denotes a custom length)
RA402X-__PNA	Complete torch assembly x __m Panasonic connector (__ denotes a custom length)

ITEM	STOCK CODE	DESCRIPTION
1	RPA0203*	Welding nozzle Ø16mm
2	XP3003-08 XP3003-10 XP3003-12 XP3003-16	Contact tip 0.8mm (.030") CuCrZr Contact tip 1.0mm (.040") CuCrZr Contact tip 1.2mm (.045") CuCrZr Contact tip 1.6mm (1/16") CuCrZr
2A	B4015-08 B4015-10 B4015-12* B4015-16	Contact tip BZL 0.8mm (.030") CuCrZr Contact tip BZL 1.0mm (.040") CuCrZr Contact tip BZL 1.2mm (.045") CuCrZr Contact tip BZL 1.6mm (1/16") CuCrZr
3	RPA0203T	Welding nozzle Ø10mm
4	XP3003-08T XP3003-10T XP3003-12T XP3003-16T	Contact tip 0.8mm (.030") CuCrZr Contact tip 1.0mm (.040") CuCrZr Contact tip 1.2mm (.045") CuCrZr Contact tip 1.6mm (1/16") CuCrZr
5	XP3004B-S*	Moulded heat shield
6	RPA0202	Tip Adaptor M10
6A	RPA0202M8*	Tip Adaptor M8 BZL
7	RPA0209	Insulating sleeve
8	RPA201B	Neck assembly
9	RBY04	Bracket assembly
10	RCP900-3A	Cable assembly
11	RCP900-12SX	Panasonic connector assembly
12	RCP900-5	Gas connection 9/16"-18 UNF
13	RCP900-7-10 RCP900-7-12 RCP900-7-16	Wire liner Pana 0.8-1.0mm Wire liner Pana 1.0-1.2mm Wire liner Pana 1.2-1.6mm
14	RCP900-14EU	Euro connector assembly
15	A44-3545-15 A44-116-45	Wire liner Euro 0.9-1.2mm Wire liner Euro 1.6mm

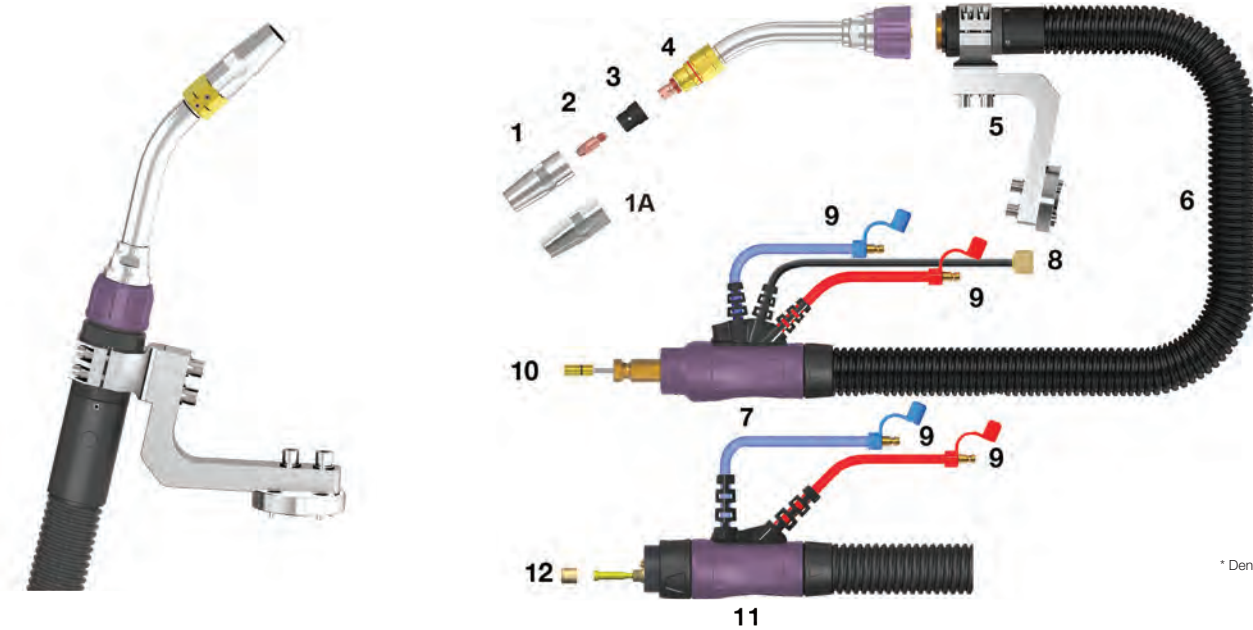
RA402X



Neck angle	Distance X	Distance Y	Neck Part Number
22	242.2	46.1	RPA201BD22
22	340.7	24.3	RPA201BD22L100
22	399.8	13.8	RPA201BD22L160
22	453.9	4.3	RPA201BD22L215
35	222.9	12.2	RPA201B
35	321.4	-5.1	RPA201BL100
35	380.5	-15.6	RPA201BL160
35	434.7	-25.1	RPA201BL215

RW502X

Robotic MIG Torch Water Cooled, 500A CO₂,
450A Mixed Gas 100% Duty Cycle, Wire Diameter 0.8-1.6mm



* Denotes Standard Build

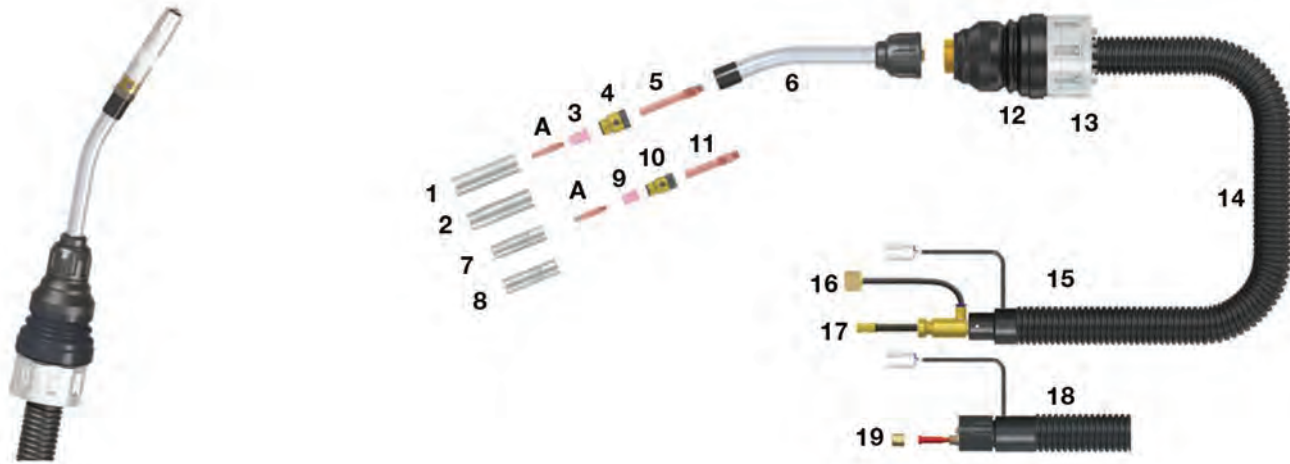
STOCK CODE	DESCRIPTION
RW502-10ER	Complete torch with Euro fitting 1.0m long
RW502-30ER	Complete torch with Euro fitting 3.0m long
RW502-40ER	Complete torch with Euro fitting 4.0m long
RW502-10PNA	Complete torch with Panasonic type fitting 1.0m long

ITEM	STOCK CODE	DESCRIPTION
1	RW0109*	Welding nozzle Ø17mm
1A	RW0109-14	Welding nozzle Ø14mm
2	B4014-10	Contact tip .040"/1.0mm M8 copper
	B4014-12	Contact tip .045"/1.2mm M8 copper
	B4014-16	Contact tip 1/16"/1.6mm M8 copper
	B4015-12*	Contact tip .045"/1.2mm M8 chrome zirconium copper
	B4015-16	Contact tip 1/16"/1.6mm M8 chrome zirconium copper
3	RW0107*	Gas Diffuser
4	RW0301	Neck assembly
5	RBY07LS	Mounting arm
6	RW0125	Cable assembly
7	P5098S1	Cable assembly 1m
8	GG048K	Gas connection 9/16"-18 UNF
9	B5023	Water connector
10	RW0122-12	Wire liner Pana 1.0-1.2mm
	RW0122-16	Wire liner Pana 1.2-1.6mm
11	B5098-RWS	Euro connector assembly
12	B5033-30	Wire liner Euro 1.0-1.2mm
	B5034-30	Wire liner Euro 1.2-1.6mm

YRA351/501

Through Arm Robotic MIG Torch Air Cooled,

YA351, 350A CO₂, 300A Mixed Gas 60% Duty Cycle, Wire Diameter 0.8-1.2mm
YA501, 500A CO₂, 400A Mixed Gas 60% Duty Cycle, Wire Diameter 0.8-1.6mm



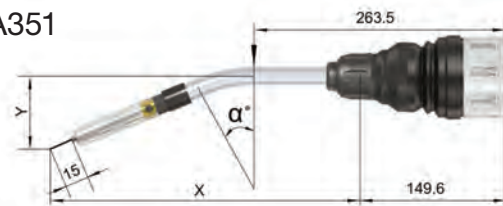
* Denotes Standard Build

STOCK CODE	DESCRIPTION
YRA351-10ER	Complete torch with Euro fitting 1.0m long
YRA501-10ER	Complete torch with Euro fitting 1.0m long
YRA351-10PNA	Complete torch with Panasonic type fitting 1.0m long
YRA501-10PNA	Complete torch with Panasonic type fitting 1.0m long

For custom lengths replace 10 with the required length 2.5m = 25

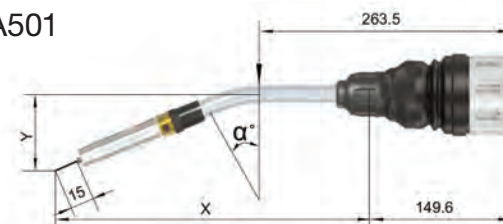
ITEM	STOCK CODE	DESCRIPTION
A	RY0151	M6 45 Long 0.8mm contact tip -chromium zirconium copper
	RY0152	M6 45 Long 0.9mm contact tip -chromium zirconium copper
	RY0153	M6 45 Long 1.0mm contact tip -chromium zirconium copper
	RY0154	M6 45 Long 1.2mm contact tip -chromium zirconium copper
	RY0155	M6 45 Long 1.4mm contact tip -chromium zirconium copper
	RY0156	M6 40 Long 1.6mm contact tip -chromium zirconium copper
1	RY0163	Nozzle – 500A Ø19mm
2	RY0164	Nozzle – 500A Ø16mm
3	RY0142	Ceramic Diffuser 500A
4	RY0132	Insulated Nozzle holder 500A
5	RY0122	Contact tip holder 500A
6	PY101	Standard Neck
7	RY0161	Nozzle 350A Ø13mm
8	RY0162	Nozzle 350A Ø16mm
9	RY0141	Ceramic Diffuser 350A
10	RY0131	Insulated Nozzle holder 350A
11	RY0121	Contact tip holder 350A
12	RPA101-13S	Torch neck mounting
13	PSR01	Collision Sensor
14	RCP900-02-10	Cable assembly 1.0m
15	RCP900-12S	Panasonic connector assembly
16	GG048K	Gas connection 9/16"-18 UNF
17	RCP900-7-10	Wire liner Pana 0.8-1.0mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
	RCP900-7-16	Wire liner Pana 1.2-1.6mm
18	RCP500-2ES	Euro connector assembly
19	A44-3545-15	Wire liner Euro 0.9-1.2mm
	A44-116-45	Wire liner Euro 1.6mm

YRA351



Neck angle	Distance X	Distance Y	Neck Part Number
22	311.7	70	PY101
22	411.7	70	PY101L100
22	471.7	70	PY101L160
35	332.2	92.6	PY101D35
35	432.2	92.6	PY101D35L100
35	492.2	92.6	PY101D35L160

YRA501



Neck angle	Distance X	Distance Y	Neck Part Number
22	324.7	72.5	PY101
22	424.7	72.5	PY101L100
22	484.7	72.5	PY101L160
35	345.2	97.8	PY101D35
35	445.2	97.8	PY101D35L100
35	505.2	97.8	PY101D35L160

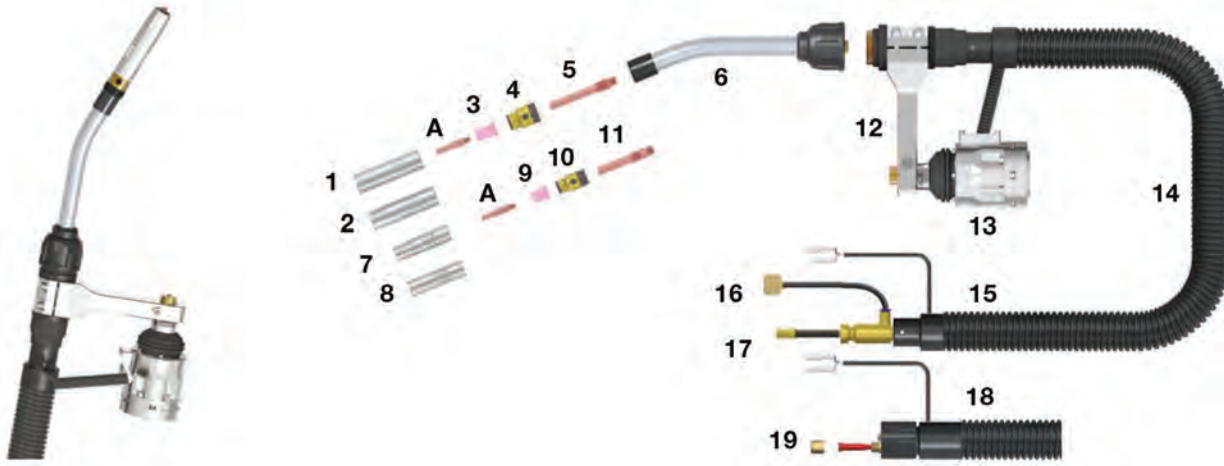
CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR01	0.4Kg

YRA352/502

Robotic MIG Torch Air Cooled,

YA352, 350A CO₂, 300A Mixed Gas 60% Duty Cycle, Wire Diameter 0.8-1.2mm
 YA502, 500A CO₂, 400A Mixed Gas 60% Duty Cycle, Wire Diameter 0.8-1.6mm



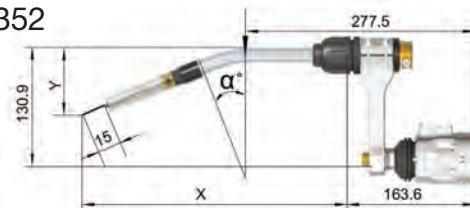
* Denotes Standard Build

STOCK CODE	DESCRIPTION
YRA352-10ER	Complete torch with Euro fitting 1.0m long
YRA352-10PNA	Complete torch with Panasonic type fitting 1.0m long

For custom lengths replace 10 with the required length 2.5m = 25

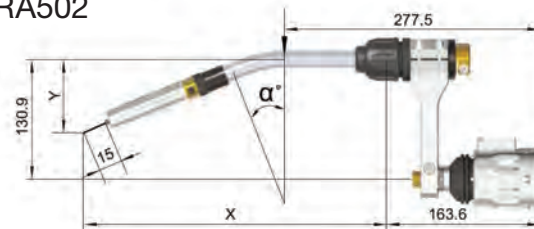
ITEM	STOCK CODE	DESCRIPTION
A	RY0151	M6 45 Long 0.8mm contact tip-chromium zirconium copper
	RY0152	M6 45 Long 0.9mm contact tip-chromium zirconium copper
	RY0153	M6 45 Long 1.0mm contact tip-chromium zirconium copper
	RY0154	M6 45 Long 1.2mm contact tip-chromium zirconium copper
	RY0155	M6 45 Long 1.4mm contact tip-chromium zirconium copper
	RY0156	M6 40 Long 1.6mm contact tip-chromium zirconium copper
1	RY0163	Nozzle – 500A Ø19mm
2	RY0164	Nozzle – 500A Ø16mm
3	RY0142	Ceramic Diffuser 500A
4	RY0132	Insulated Nozzle holder 500A
5	RY0122	Contact tip holder 500A
6	PY101	Standard Neck
7	RY0161	Nozzle 350A Ø13mm
8	RY0162	Nozzle 350A Ø16mm
9	RY0141	Ceramic Diffuser 350A
10	RY0131	Insulated Nozzle holder 350A
11	RY0121	Contact tip holder 350A
12	RY102S	Mounting arm assembly
13	PSR02	Collision Sensor
14	RCP900-02-10	Cable assembly 1.0m
15	RCP900-12S	Panasonic connector assembly
16	GG048K	Gas connection 9/16"-18 UNF
17	RCP900-7-10	Wire liner Pana 0.8 - 1.0mm
	RCP900-7-12	Wire liner Pana 1.0 - 1.2mm
	RCP900-7-16	Wire liner Pana 1.2 - 1.6mm
18	RCP500-2ES	Euro connector assembly
19	A44-3545-15	Wire liner Euro 0.9 - 1.2mm
	A44-116-45	Wire liner Euro 1.6mm

YRA352



Neck angle	Distance X	Distance Y	Neck Part Number
22	311.7	70	PY101
22	411.7	70	PY101L100
22	471.7	70	PY101L160
35	332.2	92.6	PY101D35
35	432.2	92.6	PY101D35L100
35	492.2	92.6	PY101D35L160

YRA502



Neck angle	Distance X	Distance Y	Neck Part Number
22	324.7	72.5	PY101
22	424.7	72.5	PY101L100
22	484.7	72.5	PY101L160
35	345.2	97.8	PY101D35
35	445.2	97.8	PY101D35L100
35	505.2	97.8	PY101D35L160

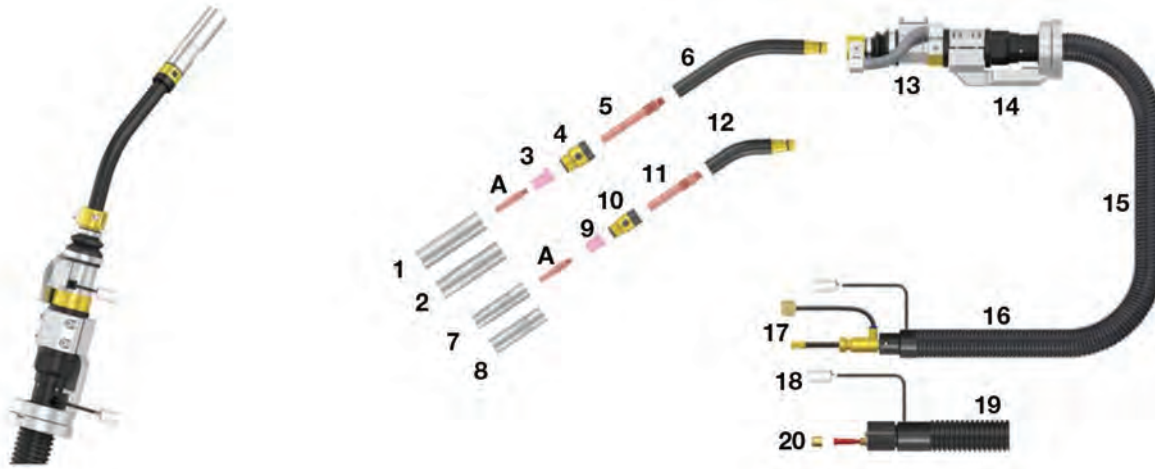
CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
PSR01	0.4Kg

YMA1350/1500

Through Arm Robotic MIG Torch Air Cooled,

YA1350, 350A CO₂, 300A Mixed gas 60% Duty Cycle, Wire Diameter 0.8-1.2mm
YA1500, 500A CO₂, 400A Mixed gas 60% Duty Cycle, Wire Diameter 0.8-1.6mm

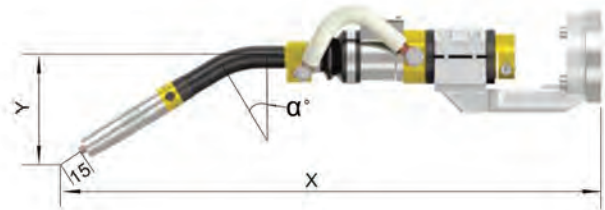


STOCK CODE	DESCRIPTION
YRA1350-10ER	Complete torch with Euro fitting 1.0m long
YRA1350-10PNA	Complete torch with Panasonic type fitting 1.0m long
YRA1500-10ER	Complete torch with Euro fitting 1.0m long
YRA1500-10PNA	Complete torch with Panasonic type fitting 1.0m long
For custom lengths replace 10 with the required length 2.5m = 25	

* Denotes Standard Build

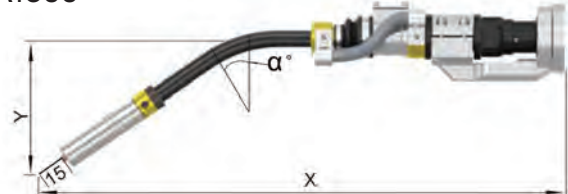
ITEM	STOCK CODE	DESCRIPTION
A	RY0151	M6 45 Long 0.8mm contact tip -chromium zirconium copper
	RY0152	M6 45 Long 0.9mm contact tip -chromium zirconium copper
	RY0153	M6 45 Long 1.0mm contact tip -chromium zirconium copper
	RY0154	M6 45 Long 1.2mm contact tip -chromium zirconium copper
	RY0155	M6 45 Long 1.4mm contact tip -chromium zirconium copper
	RY0156	M6 40 Long 1.6mm contact tip -chromium zirconium copper
1	RY0163	Nozzle – 500A Ø19mm
2	RY0164	Nozzle – 500A Ø16mm
3	RY0142	Ceramic Diffuser 500A
4	RY0132	Insulated Nozzle holder 500A
5	RY0122	Contact tip holder 500A
6	RY0112	Extended Neck (YMA1500)
7	RY0161	Nozzle 350A Ø13mm
8	RY0162	Nozzle 350A Ø16mm
9	RY0141	Ceramic Diffuser 350A
10	RY0131	Insulated Nozzle holder 350A
11	RY0121	Contact tip holder 350A
12	RY0111	Standard Neck (YMA1500)
13	RSY01	Crash sensor
14	RBY01S	Torch holder with screws
15	RCP900-02-10	Cable assembly 1.0m
16	RCP900-12S	Panasonic connector assembly
17	GG048K	Gas connection 9/16"-18 UNF
18	RCP900-7-10	Wire liner Pana 0.8-1.0mm
	RCP900-7-12	Wire liner Pana 1.0-1.2mm
	RCP900-7-16	Wire liner Pana 1.2-1.6mm
19	RCP500-2ES	Euro connector assembly
20	A44-3545-15	Wire liner Euro 0.9-1.2mm
	A44-116-45	Wire liner Euro 1.6mm

YMA1350



Neck angle	Distance X	Distance Y	Neck Part Number
31	433.5	83.5	RY0111D31
31	533.5	83.5	RY0111D31L100
31	593.5	83.5	RY0111D31L160
31	648.5	83.5	RY0111D31L215
35	431.7	87.7	RY0111
35	531.7	87.7	RY0111L100
35	591.7	87.7	RY0111L160
35	646.7	87.7	RY0111L215

YRA1500

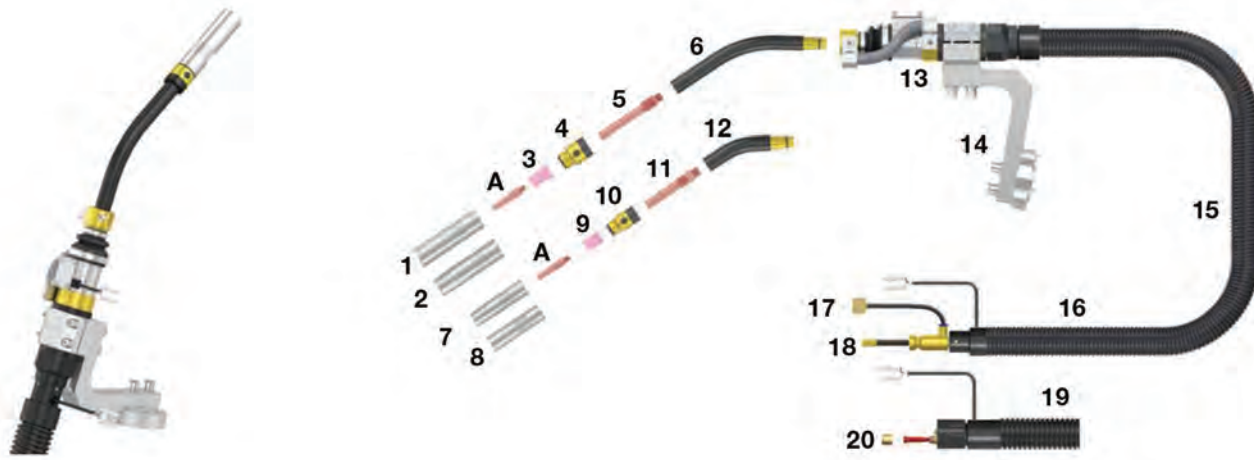


Neck angle	Distance X	Distance Y	Neck Part Number
31	508.5	136	RY0112D31
31	608.5	136	RY0112D31L100
31	668.5	136	RY0112D31L160
31	723.5	136	RY0112D31L215
35	517	132.5	RY0112
35	617	132.5	RY0112L100
35	677	132.5	RY0111L160
35	732	132.5	RY0111L215

YMA3350/3500

Through Arm Robotic MIG Torch Air Cooled,

YA3350, 350A CO₂, 300A Mixed Gas 60% Duty Cycle, Wire Diameter 0.8-1.2mm
YA3500, 500A CO₂, 400A Mixed Gas 60% Duty Cycle, Wire Diameter 0.8-1.6mm



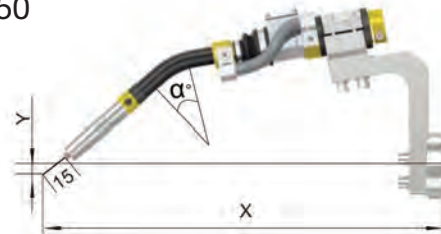
STOCK CODE	DESCRIPTION
YRA3350-10ER	Complete torch with Euro fitting 1.0m long
YRA3500-10ER	Complete torch with Euro fitting 1.0m long
YRA3350-10PNA	Complete torch with Panasonic type fitting 1.0m long
YRA3500-10PNA	Complete torch with Panasonic type fitting 1.0m long

For custom lengths replace 10 with the required length 2.5m = 25

ITEM	STOCK CODE	DESCRIPTION
A	RY0151	M6 45 Long 0.8mm contact tip -chromium zirconium copper
	RY0152	M6 45 Long 0.9mm contact tip -chromium zirconium copper
	RY0153	M6 45 Long 1.0mm contact tip -chromium zirconium copper
	RY0154	M6 45 Long 1.2mm contact tip -chromium zirconium copper
	RY0155	M6 45 Long 1.4mm contact tip -chromium zirconium copper
	RY0156	M6 40 Long 1.6mm contact tip -chromium zirconium copper
1	RY0163	Nozzle - 500A
2	RY0164	Nozzle - 500A
3	RY0142	Ceramic Diffuser 500A
4	RY0132	Insulated Nozzle holder 500A
5	RY0122	Contact tip holder 500A
6	RY0112	Extended Neck (YMA1500)
7	RY0161	Nozzle 350A
8	RY0162	Nozzle 350A
9	RY0141	Ceramic Diffuser 350A
10	RY0131	Insulated Nozzle holder 350A
11	RY0121	Contact tip holder 350A
12	RY0111	Standard Neck (YMA1500)
13	RSY01	Crash sensor
14	RBY04-3S	Mounting arm assembly
15	RCP900-09-10	Cable assembly 1.0m
16	RCP900-12S	Panasonic connector assembly
17	GG048K	Gas connection 9/16"-18 UNF
18	RCP900-7-10	Wire liner Pana 0.8 - 1.0mm
	RCP900-7-12	Wire liner Pana 1.0 - 1.2mm
	RCP900-7-16	Wire liner Pana 1.2 - 1.6mm
19	RCP500-2ES	Euro connector assembly
20	A44-3545-15	Wire liner Euro 0.9 - 1.2mm
	A44-116-45	Wire liner Euro 1.6mm

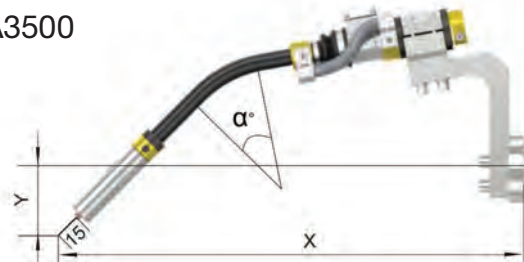
YMA3350

* Denotes Standard Build



Neck angle	Distance X	Distance Y	Neck Part Number
31	403.0	-3.2	RY0111D31
31	501.5	14.2	RY0111D31L100
31	560.5	24.6	RY0111D31L160
31	615.0	34.0	RY0111D31L215
35	400.5	0.5	RY0111
35	499.0	18.0	RY0111L100
35	558.0	28.5	RY0111L160
35	612.5	38.0	RY0111L215

YMA3500

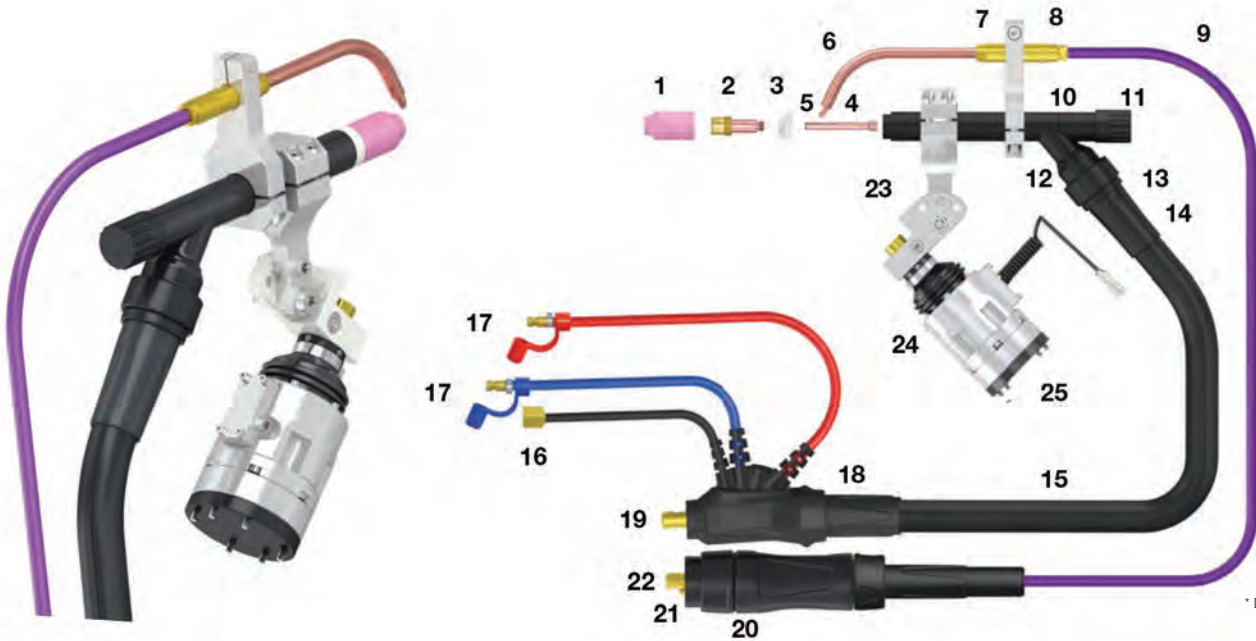


Neck angle	Distance X	Distance Y	Neck Part Number
31	482.5	53	RY0112D31
31	581.0	136	RY0112D31L100
31	640.0	136	RY0112D31L160
31	694.5	136	RY0112D31L215
35	477.5	132.5	RY0112
35	576.0	132.5	RY0112L100
35	635.0	132.5	RY0112L160
35	689.5	132.5	RY0112L215

RTW402

Robotic TIG Torch Water Cooled,

400A DC 300A AC 100% Duty Cycle, Electrode Diameter 1.6-4.0mm



* Denotes Standard Build

STOCK CODE	DESCRIPTION
RTW402-40	Complete torch assembly x 4m
RTW402-80	Complete torch assembly x 4m

ITEM	STOCK CODE	DESCRIPTION
1	54N18	Ceramic nozzle, 6mm
	54N17	Ceramic nozzle, 8mm
	54N16	Ceramic nozzle, 10mm
	54N15	Ceramic nozzle, 11mm
	54N14	Ceramic nozzle, 13mm
	54N19	Ceramic nozzle, 18mm
2	45V25	Gas Lens Body 1.6mm
	45V25M	Gas Lens Body 2.0mm
	45V26	Gas Lens Body 2.4mm
	45V27	Gas Lens Body 3.2mm
	45V28	Gas Lens Body 4.0mm
	3	RTW402I
4	10N23	Collet 1.6mm
	10N26	Collet 2.0mm
	10N24	Collet 2.4mm
	10N25	Collet 3.2mm
	54N20	Collet 4.0mm
	5	RW0110-08
RW0110-10		Contact tip, 1.0mm
RW0110-12		Contact tip, 1.2mm
RW0110-16		Contact tip, 1.6mm
6	BW0201	Wire feed tube
7	BW0202	Wire feed Bracket assembly
8	BW0112	Wire feed conduit clamping assembly

ITEM	STOCK CODE	DESCRIPTION
9	B5003-15	Wire feed conduit
10	RTW402	TIG torch body
11	BW0122B	Back cap
12	BW0116	Front cable locking nut
13	BW0118	Rear cable locking nut
14	PLA3D-H	Harness protection hose
15	609123RM	Leather cover for cables
16	GG040K	3/8 BSP Gas nut
17	B5023	Water hose QF connector
18	PLA3H	Cable support
19	PLA3D	Power adapter 35-50mm
20	B1519	Euro lock nut
21	B5098	Euro body
22	B2524-15	Wire feed conduit inner liner
23	RBY08	Torch bracket
24	RSR02	Crash sensor
25	RFR02	Mounting flange

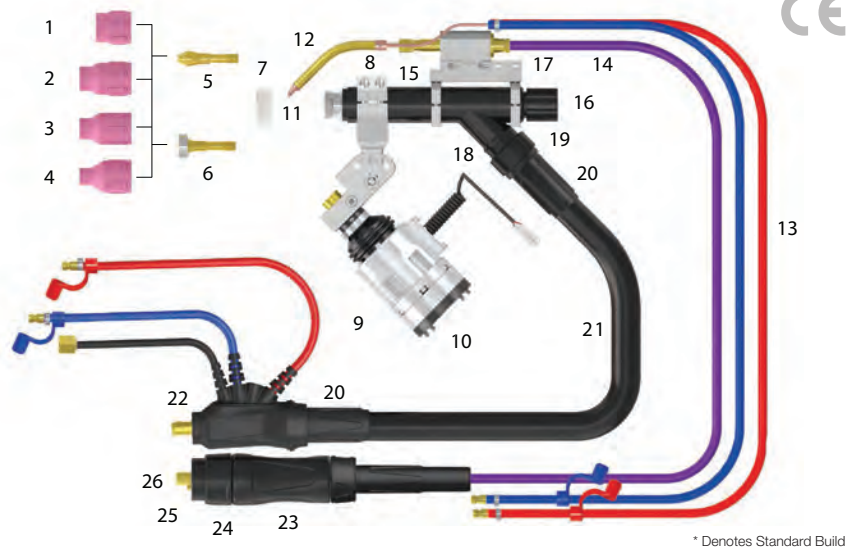
CRASH SENSOR INFORMATION

Model	The maximum weight value at the centre of gravity position of the neck attachment
RSR02	0.45Kg
RSR02A	3.5Kg

RTW502

Robotic TIG Torch Water Cooled,

500A DC 350A AC 100% Duty Cycle, Electrode Diameter 1.6-6.4mm



STOCK CODE	DESCRIPTION
RTW502-40	Complete torch assembly x 4m
RTW502-80	Complete torch assembly x 4m

ITEM	STOCK CODE	DESCRIPTION
1	BW0105	Ceramic nozzle, 24.0mm
2	BW0106	Ceramic nozzle, 19.5mm
3	BW0107	Ceramic nozzle, 16.0mm
4	BW0108	Ceramic nozzle, 12.5mm
5	BW0101-16	Collet 1.6mm
	BW0101-20	Collet 2.0mm
	BW0101-24	Collet 2.4mm
	BW0101-32	Collet 3.2mm
	BW0101-40	Collet 4.0mm
	BW0101-48	Collet 4.8mm
	BW0101-64	Collet 6.4mm
6	BW0103-16	Gas Lens Body 1.6mm
	BW0103-20	Gas Lens Body 2.0mm
	BW0103-24	Gas Lens Body 2.4mm
	BW0103-32	Gas Lens Body 3.2mm
	BW0103-40	Gas Lens Body 4.0mm
	BW0103-48	Gas Lens Body 4.8mm
	BW0103-64	Gas Lens Body 6.4mm
7	BW0109	Heat Shield
8	RBY06	Torch bracket
9	RSR02	Crash sensor
10	RFR02	Adaptor flange
11	BW0110-08	Contact tip, 0.8mm
	BW0110-10	Contact tip, 1.0mm
	BW0110-12	Contact tip, 1.2mm
	BW0110-16	Contact tip, 1.6mm

ITEM	STOCK CODE	DESCRIPTION
12	BW0111	Wire feed guide tube
13	B5012B/R	Wire Feed cooling pipes
14	B5003-15	Wire feed conduit
15	BW0113	TIG torch body
16	BW0114	Back cap
17	BW0112	Wire feed holding bracket
18	BW0116	Front cable locking nut
19	BW0118	Rear locking nut
20	PLA3D-H	Cable support
21	609123RM	Outer sheath
22	PLA3D	Power connector 35-50mm
23	B1518	Euro Housing
24	B1519	Euro lock nut
25	B5098	Euro body
26	B2524-15	Wire feed conduit inner liner

CRASH SENSOR INFORMATION

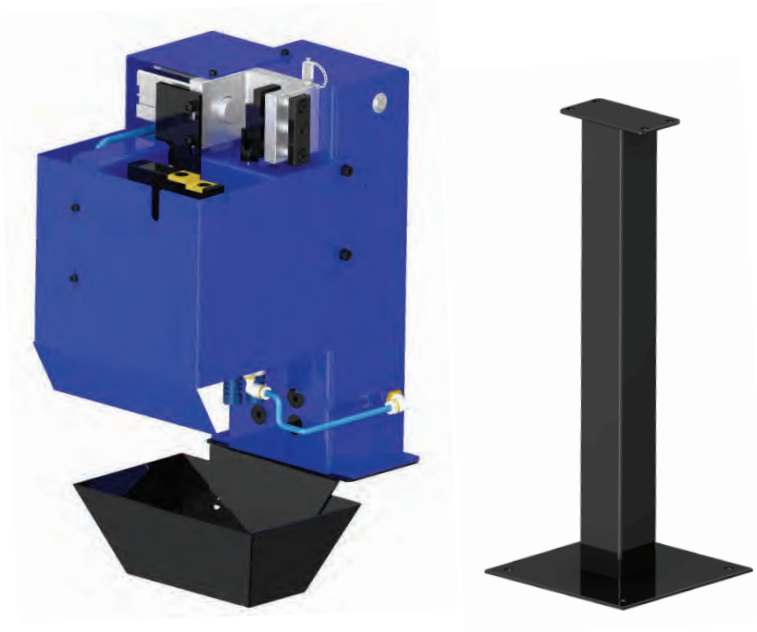
Model	The maximum weight value at the centre of gravity position of the neck attachment
RSR02	0.45Kg
RSR02A	3.5Kg

GC01

Nozzle Cleaning Station for Robotic MIG Cell

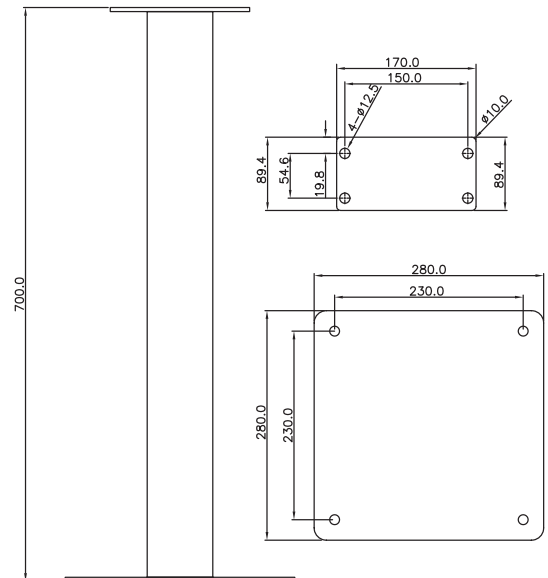
Pneumatic Motor

The Pneumatic GC01 uses a air motor and phenumatic clamping for all its operatinoal functions.



Technical data

Max wire diameter	1.6mm
Wire cutting time	1s
Anti spatter bottle volume	500ml
Anti spatter dispense volume (per cycle)	Adjustable
Total cycle time	4-5s
Working pressure (Air)	0.6Mpa
Air flow required(Min)	600L/min
Control signal	24V DC 0.15A



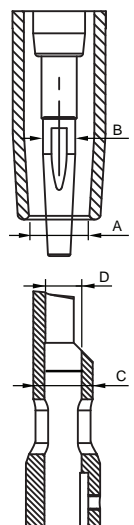
Operation

- 1) The torch nozzle is clamped and the cutter cleans out spatter from inside the nozzle.
- 2) The torch moves to the second position for wire cutting.
- 3) The torch moves to the third position for spraying of anti-spatter.

Optional:- the torch can be presented at the TCP pointer to check TCP.

Reaming cutters

Item number	Nozzle Bore (A)	Tip outside Diameter (B)	Reamer OD	Reamer ID
GC-8-1	16.3	8.7	15.0	9.5
GC-8-2	19.0	8.7	18.0	9.5
GC-8-3	16.8	10.0	16.0	11.0



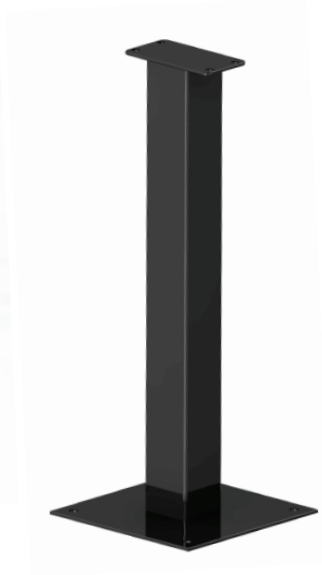
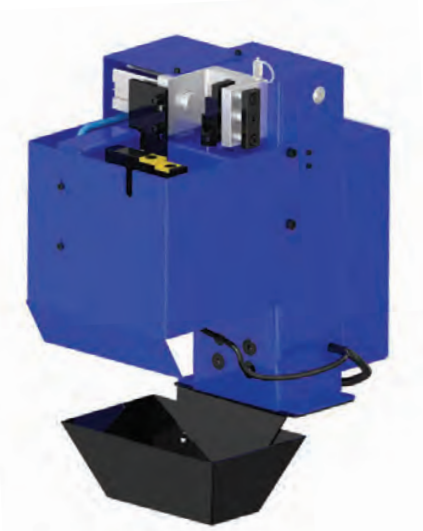
Custom sizes are available to order.

GC01L

Nozzle cleaning station for Robotic MIG Cell

Electric Motor

The Electrical GC01L uses a DC motor to drive the reaming head so reducing the required air consumption when compared to the GC01 unit.



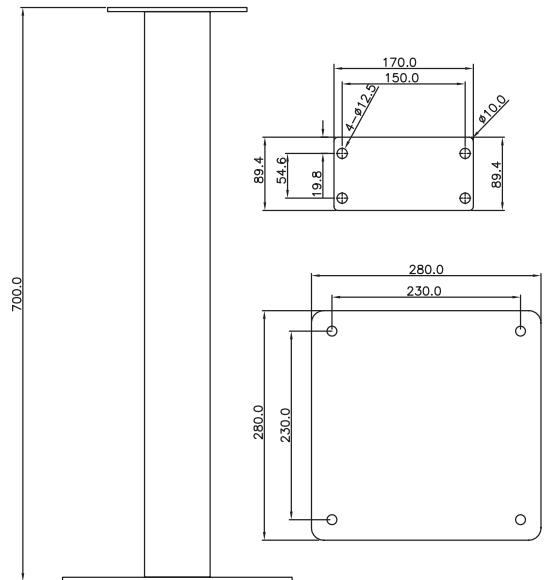
Technical data

Max wire diameter	1.6mm
Wire cutting time	1s
Anti spatter bottle volume	500ml
Anti spatter dispense volume (per cycle)	Adjustable
Total cycle time	4-5s
Working pressure (Air)	0.6Mpa
Motor Power supply	24V DC 4A
Control signal	24V DC 0.15A

Operation

- 1) The torch nozzle is clamped and the cutter cleans out spatter from inside the nozzle.
- 2) The torch moves to the second position for wire cutting.
- 3) The torch moves to the third position for spraying of antispatteer.

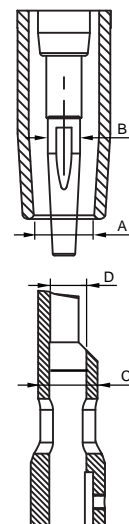
Optional:- The torch can be presented at the TCP pointer to check TCP.



Reaming cutters

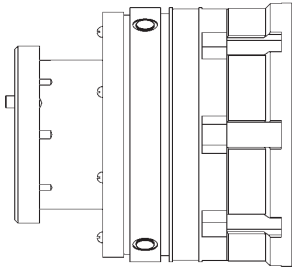
Item number	Nozzle Bore (A)	Tip outside Diameter (B)	Reamer OD	Reamer ID
GC-8-1	16.3	8.7	15.0	9.5
GC-8-2	19.0	8.7	18.0	9.5
GC-8-3	16.8	10.0	16.0	11.0

Custom sizes are available to order.



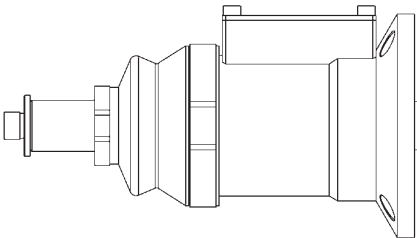
Crash Sensors

RSR01 & PSR01 Through Arm Crash Sensor



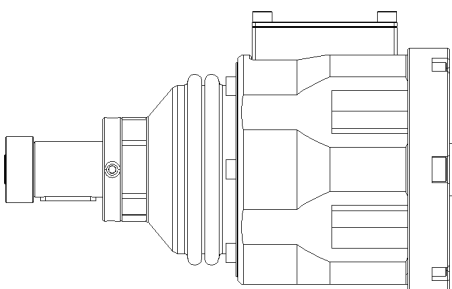
Parameter	Description	Data
Dimension	Length and diameter	L=90mm, OD=85mm
Weight	Does not include flange	0.7Kg
Trigger Value	Measured 400mm from robot flange in x,y axis	55+/- 5N
Bearing weight		0.9Kg
Maximum offset		9mm
Stop Trigger point	Deflection in the X,Y plane	1-1.5°
	Deflection in Z plane	0.5-1mm
Repeat accuracy	Measured 400mm from flange	<_0.1mm
Safety Signal	Volts and Amps	24V DC 100mA

RSR02 & RSR02A End of Arm Crash Sensor



Parameter	Description	RSR02	RSR02A
Dimension	Length and diameter	L=130mm, OD=75mm	L=130mm, OD=75mm
Weight	Does not include flange	0.45Kg	0.45Kg
Trigger Value	Measured 400mm from robot flange in x,y axis	55+/- 5N	100+/- 5N
Bearing weight		1.0Kg	3.0Kg
Maximum offset		11.5mm	11.5mm
Stop Trigger point	Deflection in the X,Y plane	1-1.7°	1-1.7°
	Deflection in Z plane	0.5-1mm	0.5-1mm
Repeat accuracy	Measured 400mm from flange	<_0.15mm	<_0.15mm
Safety Signal	Volts and Amps	24V DC 50mA	24V DC 50mA

PSR02 & PSR02A End of Arm Crash Sensor



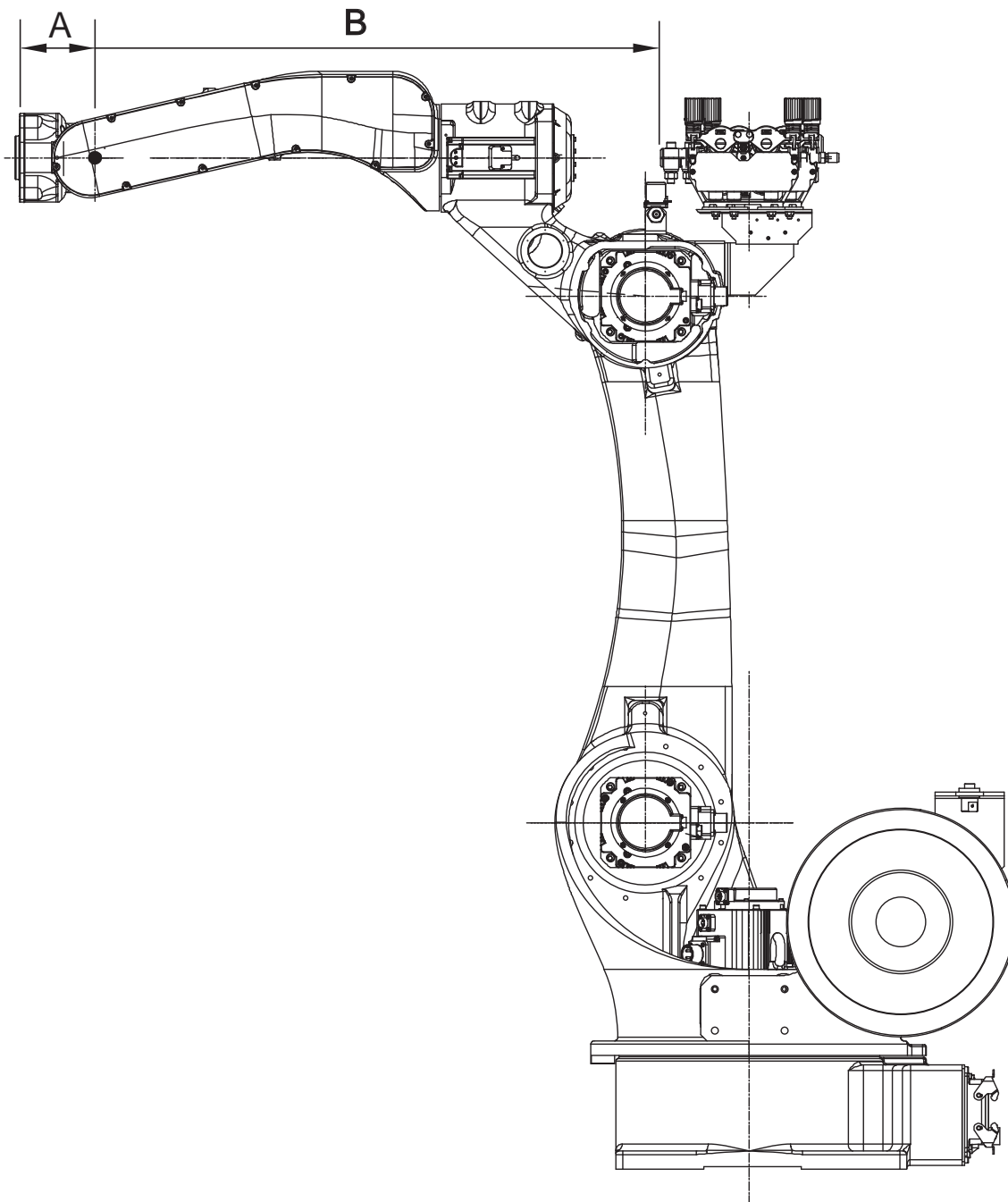
Parameter	Description	PSR02	PSR02A
Dimension	Length and diameter	L=130mm, OD=90mm	L=130mm, OD=90mm
Weight	Does not include flange	0.9Kg	0.9Kg
Trigger Value	Measured 400mm from robot flange in x,y axis	55+/- 5N	100+/- 5N
Bearing weight		1.0Kg	3.0Kg
Maximum offset		11.5mm	11.5mm
Stop Trigger point	Deflection in the X,Y plane	1-1.7°	1-1.7°
	Deflection in Z plane	0.5-1mm	0.5-1mm
Repeat accuracy	Measured 400mm from flange	<-0.15mm	<-0.15mm
Safety Signal	Volts and Amps	24V DC 50mA	24V DC 50mA

Calculate the Torch Length Required Through Arm Torches

Total length of torch required = A+ B

A = The Distance from the flange to the 5th Axis pivot point

B = The distance from the 5th axis pivot to the outlet of the wire feeder +500mm



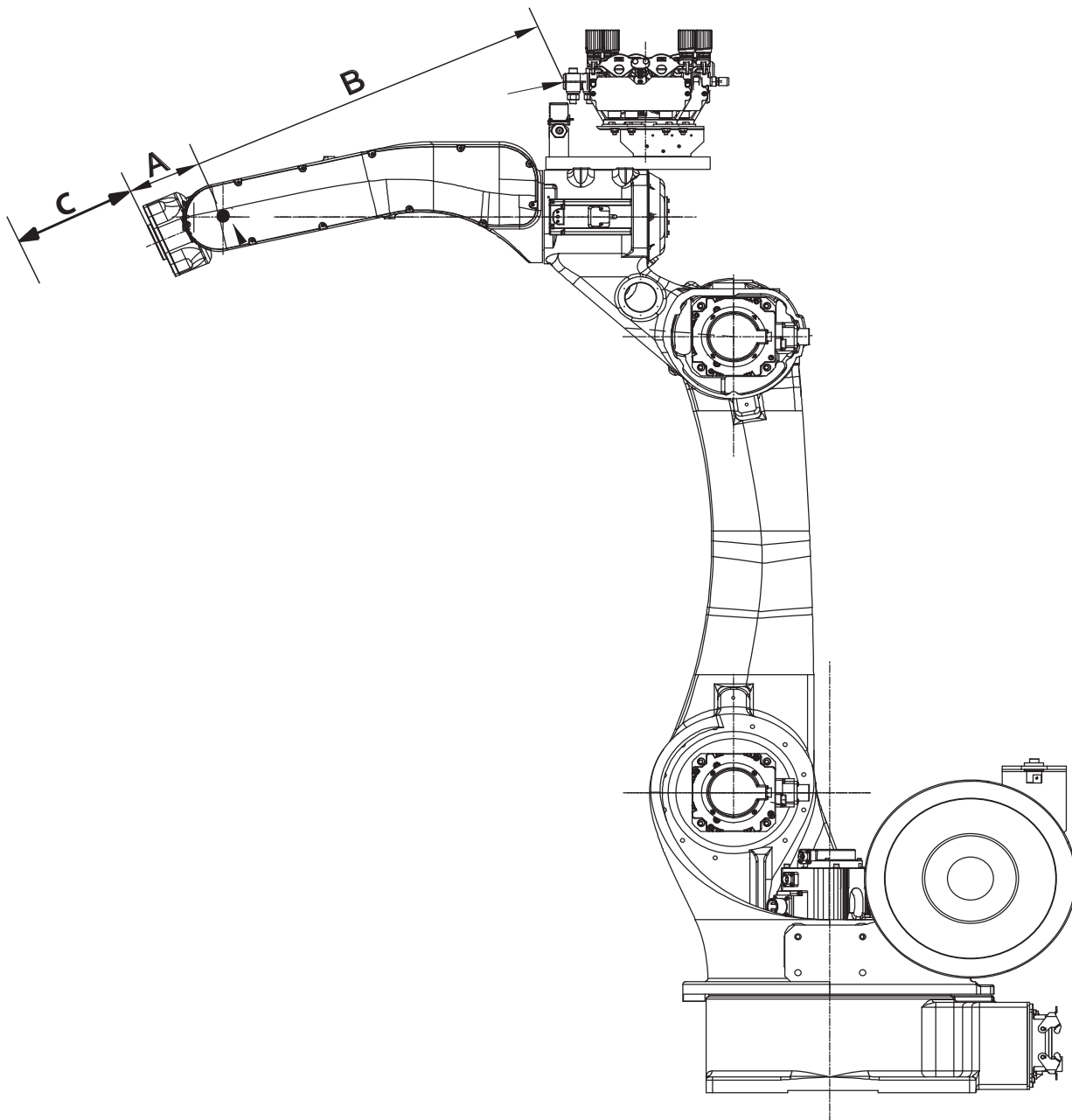
Calculate the Torch Length Required on Arm Torches

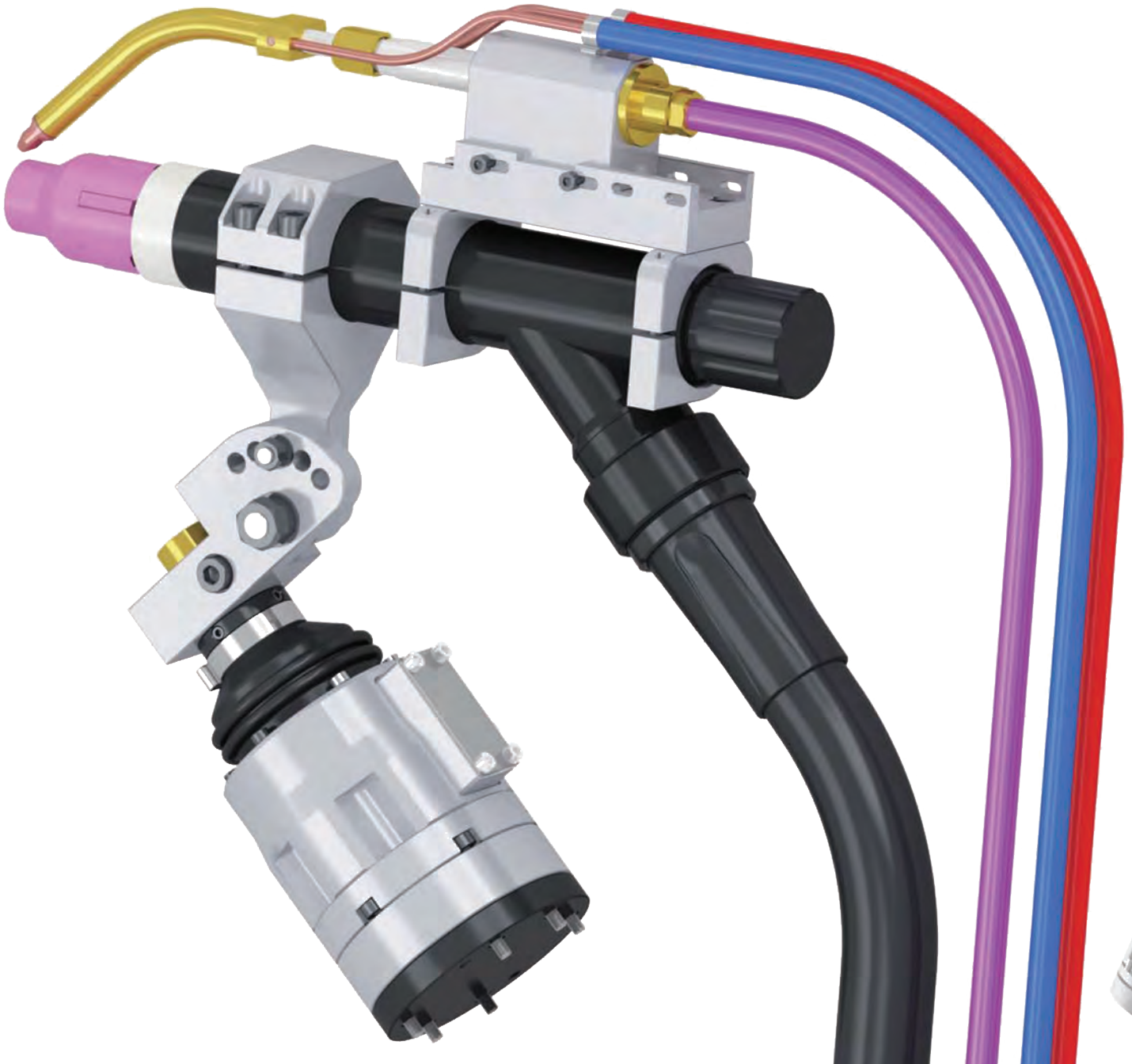
Total length of torch required = A+ B +C

A = The Distance from the flange to the 5th Axis pivot point

B = The distance from the 5th axis pivot to the outlet of the wire feeder +500mm

C = The distance from the flange to the mounting arm





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