

TECHNICAL PRODUCT SPECIFICATION


PRODUCT: MONOBLOCK CUTTING TORCH

REFERENCE: 755.00.010

Construction characteristics:

DESCRIPTION	Equipment for medium and high performances. It contains all the necessary elements for welding and cutting with gases up to 300 mm. Recommended for inexperienced users. It has no flashbacks because it uses tapered seating.		
GAS USED:	OXYGEN-ACETYLENE and OXYGEN-PROPANE		
APPLICATION STANDARDS:	UNE-EN-ISO-5172	APPROVAL PASSWORD:	-----
APPLICATIONS:	Professional boilerwork and bodywork jobs with large thicknesses and where high calorific powers are necessary. Specific equipment for high performances.		
MATERIALS:	ACCORDING TO EN 29.539		
Handle	BRASS CUZN39PB3	Internal parts	BRASS CUZN39PB3
Adjustment wheels	ANODISED ALUMINIUM	Nozzles	COPPER (TAPERED SEATING)

INLET THREADS:	M16x1,5RH / M16x1,5LH	HOSE Ø	Ø 6,3 - 8 mm.
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CUTTER WEIGHT:	TORCH DIMENSIONS:		
1455 grams		L=	540 mm.
NOZZLE WEIGHT		H=	60 mm.
89 grams		Ø=	32 mm.

Technical characteristics depending on welding nozzle:

Reference	Description	Hole Ø	Cut thickness	Welding pressures (bar)		Consumptions (L/h)	
				P _{acetylene}	P _{oxygen}	Q _{acetylene}	Q _{oxygen}
755.10.100	Cutting nozzle nº 1	0,8	4-9	<0,6 bar	1,5-2 bar	235	605
755.10.200	Cutting nozzle nº 2	1,2	9-25	<0,6 bar	2-2,5 bar	440	990
755.10.300	Cutting nozzle nº 3	1,6	25-50	<0,6 bar	2,5-3,5 bar	515	1380
755.10.400	Cutting nozzle nº 4	2	50-80	<0,6 bar	3,5-4 bar	635	1650
755.10.500	Cutting nozzle nº 5	2,4	80-120	<0,6 bar	4-4,5 bar	700	2000
755.10.600	Cutting nozzle nº 6	2,8	120-200	<0,6 bar	4,5-5,5 bar	790	2190
755.10.700	Cutting nozzle nº 7	3,2	200-300	<0,6 bar	5,5-6,5 bar	900	2440

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Technical characteristics depending on welding nozzle:

Reference	Description	Cut thickness	Welding pressures (bar)			Consumptions (L/h)			
			P _{propane}	P _{nat. gas}	Q _{prop.}	Q _{prop.}	Q _{oxyg.}	Q _{nat. gas}	Q _{oxyg.}
755.01.100	Cutting nozzle nº 1	3-10	0,2-0,5	0,3-0,5	235	120	530	190	650
755.01.200	Cutting nozzle nº 2	10-25	0,2-0,5	0,3-0,5	440	200	800	200	720
755.01.300	Cutting nozzle nº 3	25-50	0,2-0,5	0,3-0,5	515	210	870	230	950
755.01.400	Cutting nozzle nº 4	50-80	0,3-0,5	0,4-0,7	635	220	930	240	1250
755.01.500	Cutting nozzle nº 5	80-120	0,3-0,5	0,4-0,7	700	250	1340	250	1370
755.01.600	Cutting nozzle nº 6	120-200	0,3-0,5	0,4-0,7	790	275	1400	270	1450
755.01.700	Cutting nozzle nº 7	200-300	0,3-0,5	0,4-0,7	900	290	1450	300	1530

NOTE: Manufactured upon request in different lengths and coupling threads.