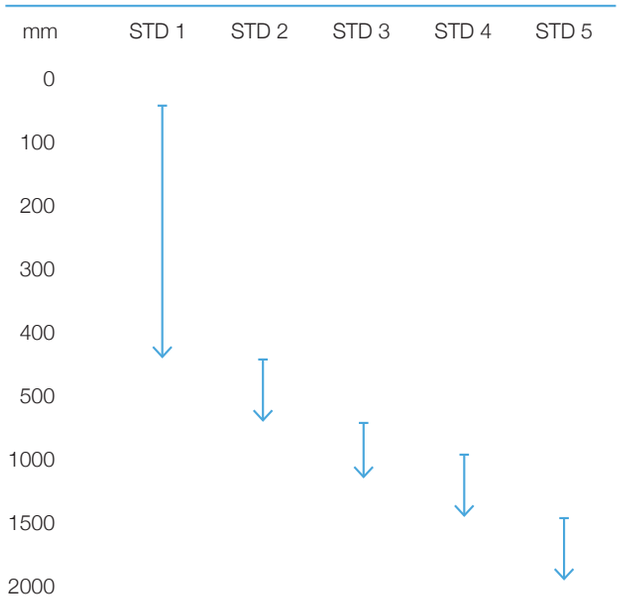
STD
NOZZLES

This conically sealing thick cutting nozzle is constructed for cutting thicknesses up to two metres. Due to its long, slim geometry, media turbulence is reduced, enabling precise cutting of high strength material.

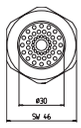
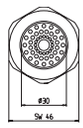
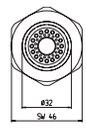
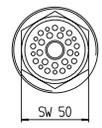
CUTTING THICKNESS RANGE



MAIN CHARACTERISTICS

Nozzle distance range	50 mm – 180 mm
Oxygen pressure range	5 – 10 bar
Gas pressure range	0.1 – 2 bar

GEGA
ALPINE METAL TECH

	STD 1	STD 2	STD 3	STD 4	STD 5
					
ITEM NO.	**108284**	**108285**	**108286**	**108287**	**114181**
CUTTING THICKNESS RANGE (mm)	50 – 450	450 – 750	750 – 1200	1000 – 1200	1500 – 2000
NOZZLE DISTANCE (mm)	50 – 125	50 – 125	50 – 125	50 – 125	120 – 180
CONSUMPTION (Nm^3/h)					
Heating oxygen flow by natural gas	27 – 33	27 – 33	27 – 33	36 – 52	84
Gas flow by natural gas	21 – 26	21 – 26	21 – 26	32 – 48	180 – 220
Heating oxygen flow by propan gas	27 – 33	27 – 33	27 – 33	36 – 52	84
Gas flow by propan gas	11	15	15	15	90 – 110
Cutting oxygen flow	58 – 93	71 – 114	86 – 135	211 – 378	280 – 400
PRESSURE CUTTING (bar)					
Heating oxygen pressure by natural gas	2 – 2.5	2 – 2.5	2 – 2.5	1.5 – 2.5	0.05
Gas pressure by natural gas	0.2 – 0.3	0.2 – 0.3	0.2 – 0.3	1 – 2	0.15 – 0.2
Heating oxygen pressure by propan gas	2 – 2.5	2 – 2.5	2 – 2.5	1.5 – 2.5	0.05
Gas pressure by propan gas	0.1	0.2	0.2	0.6	0.1 – 0.15
Cutting oxygen pressure	6 – 10	6 – 10	6 – 10	5 – 9	5 – 7
APPLICABLE CUTTING TORCHES					
SB 1200	+	+	+	+	
SB 2000					+
SPANNER WIDTH	SW 46	SW 46	SW 46	SW 46	SW 50