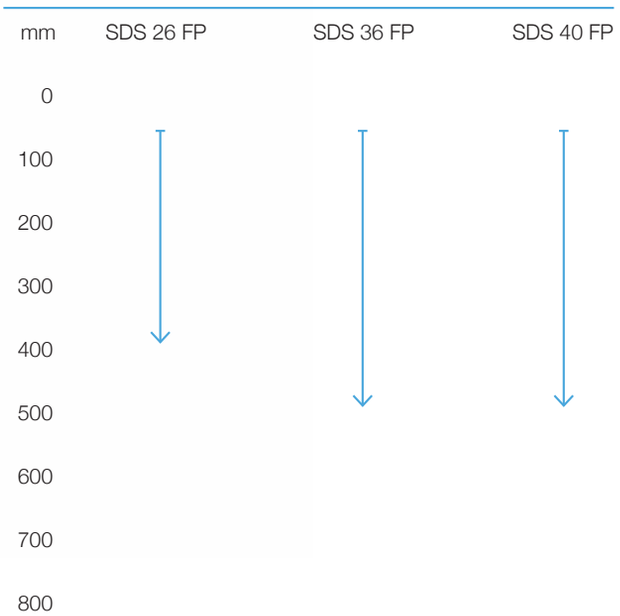
# SDS FP
# NOZZLES

In the autogenous cutting process, conventional cutting technology reaches its limit with certain alloy compositions. This is where the AMT Gega SDS FP nozzle series comes into play.

Combined with an AMT Gega powder system, this generation of nozzles succeeds in significantly expanding the limits of what is possible in alloy cutting. By adjusting the heating performance, an optimum powder flow is achieved.

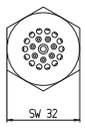
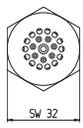
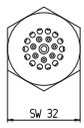

## CUTTING THICKNESS RANGE




## MAIN CHARACTERISTICS

| | |
|---|---|
| Nozzle distance range | 80 mm – 120 mm |
| Oxygen pressure range | 9 – 15 bar |
| Gas pressure range | 0.5 – 1.4 bar |

GEGA
ALPINE METAL TECH

| | SDS 26 FP | SDS 36 FP | SDS 40 FP |
|---|---|---|---|
| |  |  |  |
| **ITEM NO.** | **108189** | **108191** | **106556** |
| **CUTTING THICKNESS RANGE (mm)** | 50 - 400 | 50 - 500 | 50 - 500 |
| **NOZZLE DISTANCE (mm)** | 80 – 120 | 80 – 120 | 80 – 120 |
| **CONSUMPTION ($Nm^3/h$)** | | | |
| Heating oxygen flow by natural gas | 14 | 14 | 14 |
| Gas flow by natural gas | 20 | 20 | 20 |
| Heating oxygen flow by propan gas | 14 | 14 | 14 |
| Gas flow by propan gas | 8 | 8 | 8 |
| Heating oxygen flow by coke oven gas | 17 | 17 | 17 |
| Gas flow by coke oven gas | 25 | 25 | 25 |
| Cutting oxygen flow | 52 | 58 | 64 |
| **PRESSURE CUTTING (bar)** | | | |
| Heating oxygen pressure by natural gas | 1.8 | 1.8 | 1.8 |
| Gas pressure by natural gas | 1.1 | 1.1 | 1.1 |
| Heating oxygen pressure by propan gas | 1.8 | 1.8 | 1.8 |
| Gas pressure by propan gas | 0.5 | 0.5 | 0.5 |
| Heating oxygen pressure by coke oven gas | 2.3 | 2.3 | 2.3 |
| Gas pressure by coke oven gas | 1.4 | 1.4 | 1.4 |
| Cutting oxygen pressure | 15 | 10 | 9 |
| **APPLICABLE CUTTING TORCHES** | | | |
| SBK 500 F | + | + | + |
| SB 500 F | + | + | + |
| SHBA - M F | + | + | + |
| SHBS - M F | + | + | + |
| SHBS - MS F | + | + | + |
| SHBA - MS F | + | + | + |
| **SPANNER WIDTH** | SW 32 | SW 32 | SW 32 |