RANGE & ORDERING GUIDE

# WELDGAS

## TORCHES & NOZZLES

Match the torch family and gas to the job, then select the exact nozzle, attachment or kit.



## Find Your Range

| What You Need | Range | Page |
|---|---|---|
| **Hand cutting torches** | NM, Type 142 and Type 625 | 02 |
| **Modular torch systems** | Lightweight, Type 5 and H Type | 04 |
| **Cutting and gouging tips** | Acetylene and propane families | 05 |
| **Welding and heating** | Welding tips, heating heads and burners | 10 |
| **Fine work and kits** | Model O, WG-504 and outfit options | 13 |

### What To Quote

Give the torch make and model, fuel gas and any existing nozzle code. For cutting, include material thickness.

Weldgas manufacturer catalogue



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# NM Hand Cutting Torches

Nozzles: ANMS / ANML for oxy-acetylene (p5) and PNMS / PNML for oxy-propane (p7). See p5 and p9 for NM gouging options. Match the head angle and reach to the job.

## Nozzle-Mix (NM) Torches



18″ / 90°



Extended lengths

| Order Code | Length and Head Angle | Inlet |
|---|---|---|
| **GAS2005** | 18″ / 90° ECO | G3/8 BSP male |
| **GAS2005P** | 18″ / 90° Premium | G3/8 BSP male |
| **GAS3000** | 18″ / 180° | G3/8 BSP male |
| **GAS2006** | 27″ / 75° | G3/8 BSP male |
| **GAS2007** | 27″ / 180° | G3/8 BSP male |
| **GAS1989** | 36″ / 90° | G3/8 BSP male |
| **GAS2008** | 36″ / 75° | G3/8 BSP male |
| **GAS2009** | 36″ / 180° | G3/8 BSP male |
| **GAS2010** | 48″ / 75° | G3/8 BSP male |
| **GAS2011** | 48″ / 180° | G3/8 BSP male |
| **GAS2019** | 60″ / 75° | G3/8 BSP male |
| **GAS2000** | 72″ / 75° | G3/8 BSP male |
| **GAS2004** | 72″ / 180° | G3/8 BSP male |
| **GAS1987** | 96″ / 75° | G3/8 BSP male |

## NM Service Parts & Guides

| Order Code | Option | Specification |
|---|---|---|
| **GAS2003** | NM head nut | Replacement |
| **GAS2001** | Small circle-cutting attachment | Guide |
| **GAS2002** | Large circle-cutting attachment | Guide |


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# Injector Cutting Torches

Select the torch family, reach and head angle. Match injector tips by torch head and fuel gas.

## Type 142 & Type 625



Type 142



Type 625

| Type 142 length | 90° head | 70° head |
|---|---|---|
| **440mm** | GAS5853 | GAS5854 |
| **838mm** | GAS5855 | GAS5856 |
| **900mm** | GAS5857 | GAS5858 |
| **1210mm** | GAS5859 | GAS5860 |

| Type 625 length | 70° head | 90° head | 180° head |
|---|---|---|---|
| **530mm** | GAS5936 | GAS5937 | GAS5938 |
| **835mm** | GAS5939 | GAS5940 | GAS5941 |
| **900mm** | GAS5942 | GAS5943 | GAS5944 |
| **1210mm** | GAS5945 | GAS5946 | GAS5947 |
| **1500mm** | GAS5948 | GAS5949 | GAS5950 |
| **2000mm** | GAS5951 | GAS5952 | GAS5953 |

## Earlier Injector Torch References

| Order Code | Option | Order Code | Option |
|---|---|---|---|
| **GAS1110** | WG-142 · 500mm / 90° | GAS1141 | Type 625 · 1524mm / 90° |
| **GAS2040** | Type 625 · 500mm / 90° | GAS1142 | Type 625 · 1829mm / 90° |
| **GAS2041** | Type 625 · 835mm / 90° | GAS1077 | WG-142 head nut |
| **GAS2042** | Type 625 · 835mm / 70° | GAS2043 | Type 625 head nut |
| **GAS1140** | Type 625 · 1219mm / 90° | | |

Type 142 / WG-142 and Type 625: send the exact torch code, fuel gas and existing nozzle marking so your supplier can match the tip to the head.


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# Modular Torch Systems

Identify the shank first. Select the matching attachment for cutting or the matching mixer and front end for welding.

## Lightweight

Cutting: AFN or ASFN (p6). Welding: LD swaged tips in the Lightweight mixer, or DH tips with the mixer and DH neck (p10).



Shank



Cutting attachment



Mixer

| Order Code | Option | Specification |
|---|---|---|
| **GAS2020** | Lightweight shank | 1/4″ BSP male inlets |
| **GAS2021** | Lightweight cutting attachment | Lightweight |
| **GAS2022** | Lightweight mixer | Lightweight |
| **GAS2100** | DH neck | Lightweight |

## Type 5

Cutting: ANM / ASNM for acetylene or PNM for propane (pp5, 7). Welding: Type 5 swaged tips with the welding mixer (p10).



Shank



Cutting attachment



Mixer

| Order Code | Option | Specification |
|---|---|---|
| **GAS2049** | Type 5 shank | 3/8″ BSP male inlets |
| **GAS2050** | Type 5 cutting attachment | Type 5 |
| **GAS2051** | Type 5 welding mixer | Type 5 |

## H Type

For a tip to fit the GAS5861 attachment, send the fuel gas and the marking on your existing nozzle to your supplier.



| Order Code | Option | Specification |
|---|---|---|
| **GAS5862** | Welding handle | H Type |
| **GAS5861** | Cutting attachment | H Type |


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# Acetylene · NM Cutting & Gouging

ANMS and ANML are paired by size below. Select the appropriate body length for the torch and access, then match the size to the application.

## ANMS & ANML Cutting



ANMS



ANML

| Size | Cut Range | ANMS · Short | ANML · Long |
|---|---|---|---|
| **1/32** | 3–6mm | GAS2070 | GAS2078 |
| **3/64** | 5–12mm | GAS2071 | GAS2079 |
| **1/16** | 10–75mm | GAS2072 | GAS2080 |
| **5/64** | 70–100mm | GAS2073 | GAS2081 |
| **3/32** | 90–150mm | GAS2075 | GAS2082 |
| **7/64** | 140–200mm | GAS2074 | GAS2083 |
| **1/8** | 190–300mm | GAS2076 | GAS2084 |

## ASNM Sheet Cutting & AGNM Gouging

Use the sheet nozzle for thin material. Choose an AGNM gouging profile to suit the required groove.



ASNM



AGNM

| Order Code | Nozzle | Published Range |
|---|---|---|
| **GAS2088** | ASNM | 1–3mm |
| **GAS2085** | AGNM No.13 | 3–8mm |
| **GAS2086** | AGNM No.19 | 6–10mm |
| **GAS2087** | AGNM No.25 | 10–13mm |


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# Acetylene · Lightweight & 6290AC

Use AFN or ASFN on the Lightweight cutting attachment. For 6290AC tips, match the torch head's specified seat and nozzle series.

## AFN & ASFN · Lightweight Cutting



AFN



ASFN

| Order Code | Nozzle | Published Range |
|---|---|---|
| **GAS2035** | AFN 1/32 | 3–6mm |
| **GAS2036** | AFN 3/64 | 6–20mm |
| **GAS2037** | AFN 1/16 | 20–30mm |
| **GAS2038** | ASFN | 0–3mm |

## 6290AC · Acetylene Cutting



| Order Code | Nozzle | Published Range |
|---|---|---|
| **GAS5863** | 6290AC 00 | 0–10mm |
| **GAS5864** | 6290AC 0 | 10–15mm |
| **GAS5865** | 6290AC 1 | 15–25mm |
| **GAS5866** | 6290AC 2 | 25–50mm |
| **GAS5867** | 6290AC 3 | 50–100mm |
| **GAS5868** | 6290AC 4 | 100–175mm |
| **GAS5869** | 6290AC 5 | 175–200mm |
| **GAS5870** | 6290AC 6 | 250–300mm |


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# Propane · NM Cutting Nozzles

Select short or long PNM to suit the required access. Order from the standard range or specify the separately listed 18-flute version.

## PNMS & PNML · Standard



PNMS



PNML

| Size | Cut Range | PNMS · Short | PNML · Long |
|---|---|---|---|
| **1/32** | 3–6mm | GAS3037 | GAS2300 |
| **3/64** | 5–12mm | GAS3038 | GAS2301 |
| **1/16** | 10–75mm | GAS3039 | GAS2302 |
| **5/64** | 70–100mm | GAS3040 | GAS2303 |
| **3/32** | 90–150mm | GAS3042 | GAS2304 |
| **7/64** | 140–200mm | GAS3034 | GAS2305 |
| **1/8** | 190–300mm | GAS3041 | GAS2306 |

## PNMS-18 & PNML-18 · 18 Flutes

These 18-flute variants are listed separately in the Weldgas gas equipment catalogue.

| Size | Cut Range | PNMS-18 · Short | PNML-18 · Long |
|---|---|---|---|
| **1/32** | 3–6mm | GAS2090 | GAS2120 |
| **3/64** | 5–12mm | GAS2091 | GAS2121 |
| **1/16** | 10–75mm | GAS2092 | GAS2122 |
| **5/64** | 70–100mm | GAS2093 | GAS2123 |
| **3/32** | 90–150mm | GAS2094 | GAS2124 |
| **7/64** | 140–200mm | GAS2095 | GAS2125 |
| **1/8** | 190–300mm | GAS2096 | GAS2126 |

Match both the nozzle series and fuel gas when ordering replacements.


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# Propane · VVC & NFF Cutting

Match the existing torch head to the VVC or NFF nozzle family. Use the listed material thickness to select within that family.

## VVC Cutting



| Code | Size | Cut Range | Code | Size | Cut Range |
|---|---|---|---|---|---|
| **GAS2130** | VVC 5/0 | 1–4mm | GAS2137 | VVC 1 1/2 | 60–75mm |
| **GAS2131** | VVC 4/0 | 4–6mm | GAS2138 | VVC 2 | 75–125mm |
| **GAS2132** | VVC 3/0 | 6–9mm | GAS2139 | VVC 2 1/2 | 125–150mm |
| **GAS2133** | VVC 00 | 9–12mm | GAS2140 | VVC 3 | 150–175mm |
| **GAS2134** | VVC 0 | 12–20mm | GAS2141 | VVC 4 | 175–200mm |
| **GAS2135** | VVC 0 1/2 | 20–35mm | GAS2142 | VVC 5 | 200–225mm |
| **GAS2136** | VVC 1 | 35–60mm | GAS2143 | VVC 5 1/2 | 225–250mm |

## NFF Cutting



| Order Code | Nozzle | Published Range |
|---|---|---|
| **GAS5140** | NFF No.1 | 6–25mm |
| **GAS5141** | NFF No.2 | 25–50mm |
| **GAS5142** | NFF No.3 | 50–75mm |
| **GAS5143** | NFF No.4 | 75–150mm |
| **GAS5144** | NFF No.5 | 150–200mm |
| **GAS5145** | NFF No.6 | 200–300mm |


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# Propane · Gouging & Heavy Cuts

For gouging, choose the profile that matches the torch seat and required groove. Heavy-cut tips have their own front-end requirements.

## PGNM & GG Gouging



PGNM



GG

| Order Code | Nozzle | Published Range |
|---|---|---|
| **GAS5130** | PGNM No.1 | 3–6mm |
| **GAS5131** | PGNM No.2 | 5–9mm |
| **GAS5132** | PGNM No.3 | 6–12mm |
| **GAS5133** | PGNM No.4 | 10–16mm |
| **GAS5134** | 1GG | 3–6mm |
| **GAS5135** | 2GG | 5–10mm |
| **GAS5136** | 3GG | 6–13mm |
| **GAS5137** | 4GG | Select with supplier |

## NM10 & HDP Heavy-Cut Nozzles



NM10



4″ HDP

| Order Code | Nozzle | Published Range |
|---|---|---|
| **GAS3061** | NM10 | 300–400mm |
| **GAS5151** | 4″ HDP | Specify torch and material thickness |

For an existing setup, send the nozzle marking, the torch model and either the gouge size or the material thickness.


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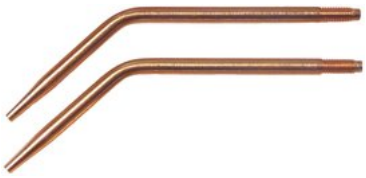
# Oxy-Acetylene Welding Nozzles

Match the Lightweight or Type 5 system before choosing the nozzle number. DH tips use the Lightweight mixer and DH neck.

## Lightweight LD & DH · Nozzle Numbers



LD swaged




DH threaded tip

| Nozzle No. | LD Swaged | DH Tip |
|---|---|---|
| **No.1** | GAS2025 | GAS2101 |
| **No.2** | GAS2026 | GAS2102 |
| **No.3** | GAS2027 | GAS2103 |
| **No.5** | GAS2028 | GAS2104 |
| **No.7** | GAS2029 | GAS2105 |
| **No.10** | GAS2030 | GAS2106 |
| **No.13** | GAS2031 | GAS2107 |
| **No.18** | GAS2032 | GAS2108 |
| **No.25** | GAS2033 | GAS2109 |

## Type 5 Swaged Welding Nozzles



| Nozzle No. | Order Code | Nozzle No. | Order Code |
|---|---|---|---|
| **1** | GAS2055 | 13 | GAS2061 |
| **2** | GAS2056 | 18 | GAS2062 |
| **3** | GAS2057 | 25 | GAS2063 |
| **5** | GAS2058 | 35 | GAS2064 |
| **7** | GAS2059 | 45 | GAS2065 |
| **10** | GAS2060 | 90 | GAS2067 |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# Oxy-Fuel Heating Heads

Choose the assembly for the fuel gas in use. The H, AHT and PHNM families each have their own connection parts.


H heating nozzle


PHNM connection


NM heating adaptor



AHT heating head

## Propane H-Type Super Heating

Use the Type 5 propane mixer and bent neck, or the NM super-heating adaptor on a compatible NM torch.

| Order Code | Option | Specification |
|---|---|---|
| **GAS2049** | Type 5 shank | Type 5 propane heating |
| **GAS2052** | Type 5 propane heating mixer | Type 5 propane heating |
| **GAS2161** | 270mm stainless steel bent neck | Type 5 propane heating |
| **GAS2162** | 700mm stainless steel bent neck | Type 5 propane heating |
| **GAS3027** | NM super-heating adaptor | H-type heating nozzle |

| Nozzle | H1 | H2 | H3 | H4 | H5 |
|---|---|---|---|---|---|
| **Order code** | GAS2156 | GAS2157 | GAS2158 | GAS2159 | GAS2160 |

## PHNM · Propane Heating

| Order Code | Option | Specification |
|---|---|---|
| **GAS3035** | PHNM heating nozzle | NM propane heating |
| **GAS3036** | PHNM replacement insert | NM propane heating |

## AHT · Acetylene Heating

| Order Code | Option | Specification |
|---|---|---|
| **GAS2051** | Type 5 acetylene mixer | Type 5 acetylene heating |
| **GAS2154** | AHT heating neck | Type 5 acetylene heating |
| **GAS2151** | AHT 25 heating nozzle | Type 5 acetylene heating |
| **GAS2152** | AHT 50 heating nozzle | Type 5 acetylene heating |
| **GAS2153** | AHT 100 heating nozzle | Type 5 acetylene heating |


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# Type 86/88 Propane Heating

Front end: use the Type 86/88 brass or stainless steel burners below with the matching neck. Both handles take the same family of necks and burners.

## Handles & Necks



Type 86 · Without lever



Type 88 · With lever



Dual outlet extension

| Order Code | Option | Specification |
|---|---|---|
| GAS1125 | Type 86 handle (no lever) | Type 86/88 system |
| GAS1126 | Type 88 handle (with lever) | Type 86/88 system |
| GAS1127 | 150mm stainless steel neck | Type 86/88 system |
| GAS1128 | 350mm stainless steel neck | Type 86/88 system |
| GAS1129 | 600mm stainless steel neck | Type 86/88 system |
| GAS1130 | Dual outlet neck extension | Type 86/88 system |

## Burners



Brass burner



Stainless steel burner

| Order Code | Option | Specification |
|---|---|---|
| GAS1131 | 28mm brass burner | Type 86/88 system |
| GAS1132 | 32mm brass burner | Type 86/88 system |
| GAS1133 | 35mm brass burner | Type 86/88 system |
| GAS1134 | 50mm brass burner | Type 86/88 system |
| GAS1135 | 40mm stainless steel burner | Type 86/88 system |
| GAS1136 | 50mm stainless steel burner | Type 86/88 system |

Quote the handle code, neck length and burner diameter if ordering a complete setup.


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# Brazing & Fine-Flame Torches

Use the Model O for fine work. The WG-504 provides a self-lighting option for soldering, brazing and local heating.

## Model O · Fine-Flame Torch

Nozzles: use the numbered Model O tips 1–5 below.



Model O torch



Five Model O tip sizes

| Order Code | Option | Specification |
|---|---|---|
| **GAS2012** | Model O lead burning kit c/w 5 tips | Model O system |
| **GAS5177** | Model O lead burning torch | Model O system |
| **GAS2013** | Model O tip No.1 | Model O system |
| **GAS2014** | Model O tip No.2 | Model O system |
| **GAS2015** | Model O tip No.3 | Model O system |
| **GAS2016** | Model O tip No.4 | Model O system |
| **GAS2017** | Model O tip No.5 | Model O system |
| **GAS2018** | Model O replacement neck | Model O system |

## WG-504 & Pro+ Brazing

WG-504 uses its own swirl burner. The Pro+ outfit includes a spare brazing tip. Quote the kit code for replacements.



WG-504



Pro+ brazing kit

| Order Code | Option | Specification |
|---|---|---|
| **GAS1985** | WG-504 heating torch | Propylene/MAPP-type service |
| **GAS5954** | WG-504 Pro Kit | Propylene/MAPP-type service |
| **GAS6062** | Weldgas Pro+ brazing kit | Oxygen/propylene brazing outfit |



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# Cased Kits & Specialist Torches

Choose a cased kit by process and gas. For a replacement torch or tip on a cutting machine, give the machine model and the current torch and nozzle markings.

## Cutting & Welding Outfits

The acetylene contractor kit uses ANMS or ANML nozzles. The propane kit uses PNMS or PNML.



Lightweight kit



Type 5 kit



Contractor outfit

| Order Code | Option | Specification |
|---|---|---|
| **GAS5198** | Lightweight cutting and welding kit | Oxy-acetylene · AFN and LD tips |
| **GAS5199** | Type 5 cutting and welding kit | Oxy-acetylene · ANM and swaged tips |
| **GAS5203** | Contractors cutting kit | Oxy-acetylene · NM torch and 10m hoses |
| **GAS5204** | Contractors cutting kit | Oxy-propane · NM torch and 10m hoses |

## Machine Torch Kits & Lance Holders



Trac-Cut twin torch kit



Lance holder



Lance holder

| Order Code | Option | Specification |
|---|---|---|
| **GAS0067** | Trac-Cut twin torch kit | For Weldgas Trac-Cut straight-line machine |
| **GAS2200** | Compression thermic lance holder | Thermic lancing |
| **GAS2203** | Quick-release thermic lance holder | Thermic lancing |
| **GAS2201** | Compression holder collet | Replacement |
| **GAS2204** | Compression holder rubber sleeve | Replacement |
| **GAS2206** | 3/8″ quick-release adaptor | Thermic lance system |

For cutting, welding and heating, select the correct gas service and use the equipment manufacturer's operating instructions.


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