

3 Seat Cutting Nozzles - Machine Cutting



Features and Benefits

- Small Kerf.
- Limited under and upper edge slag.
- Limited upper edge melt.
- Cutting operation with high speed.
- Steady and safe cutting operation.
- Cutting operation with small amount of gas.
- High speed divergent nozzles with stainless steel insert for improved performance and nozzle life.

CIGWELD has a long established relationship with Koike Senso in Japan. Koike has developed a world-wide reputation as a leading manufacturer of gas cutting machines. Much of this reputation stems from their ability to manufacture cutting nozzles of the highest quality specifically for use with cutting machines, for example koike high speed cutting nozzles are a divergent type with a stainless steel insert screwed into the tip end of the cutting oxygen port. This maintains a constant high quality cutting performance that also improves nozzle life up to 5 times that of a conventional nozzle.

Oxy/Acetylene specifications

Standard speed cutting nozzles

Part No.	Plate thickness(mm)	Tip No. size	Cutting speed (mm)	Oxygen kPa		Fuel kPa	Kerf width (mm)
				Cutting	PR-Heat		
306114	-5	00	-600	140	140	20	1.0
306115	5-10	0	660-550	200	200	20	1.3
306116	10-15	1	550-490	280	280	20	1.8
306117	15-30	2	490-400	300	300	20	2.0
306118	30-40	3	400-350	300	300	20	2.3
306119	40-50	4	350-320	300	300	25	2.8
306120	50-100	5	320-200	400	400	35	3.0
306121	100-150	6	200-150	450	450	40	3.6
306122	150-250	7	150-80	450	450	40	4.1
306123	250-300	8	80-45	450	450	40	4.3

Hi-speed cutting nozzles

Part No.	Plate thickness(mm)	Tip No. size	Cutting speed (mm)	Oxygen kPa		Fuel kPa	Kerf width (mm)
				Cutting	PR-Heat		
306124	-5	00	-750	700	140	20	0.8
306125	5-10	0	700-680	700	200	20	1.3
306126	10-15	1	680-600	700	280	20	1.3
306127	15-30	2	600-500	700	300	20	1.8
306128	30-40	3	500-450	700	300	20	2.0
306129	40-50	4	450-400	700	300	25	2.6
306130	50-100	5	400-260	700	400	35	2.8

Oxy/LP gas or Natural gas specifications

Standard speed cutting nozzles

Part No.	Plate thickness(mm)	Tip No. size	Cutting speed (mm)	Oxygen kPa		Fuel kPa	Kerf width (mm)
				Cutting	PR-Heat		
306097	5-10	0	660-550	210	200	20	1.3
306098	10-15	1	550-490	280	280	20	1.8
306099	15-30	2	490-400	315	315	20	2.0
306100	30-40	3	400-350	315	315	20	2.3
306101	40-50	4	350-320	315	315	25	2.8
306102	50-100	5	320-200	385	385	35	3.0
306103	100-150	6	200-150	455	455	40	3.6

Hi-speed cutting nozzles

Part No.	Plate thickness(mm)	Tip No. size	Cutting speed (mm)	Oxygen kPa		Fuel kPa	Kerf width (mm)
				Cutting	PR-Heat		
306104	-5	00	-750	700	140	20	0.8
306105	5-10	0	700-680	700	200	20	1.3
306106	10-15	1	680-600	700	280	20	1.3
306107	15-30	2	600-500	700	315	20	1.8
306108	30-40	3	500-450	700	315	20	2.0
306109	40-50	4	450-400	700	315	25	2.6
306110	50-100	5	400-260	700	485	35	2.8
306111	100-150	6	260-180	700	455	40	3.6
306112	150-250	7	180-110	700	455	40	4.6

Oxy/Acetylene cutting nozzle



Oxy/LP gas cutting nozzle

