

NOZZLES



NOZZLES

CUTTING NOZZLE KE17 - ACETYLENE



Art.-No.	Type	Class.	Cutting range
61000	Heating nozzle	H 1	3 - 100 mm
61005	Heating nozzle	H 2	100 - 300 mm
61006	Cutting nozzle	S 0	3 - 12 mm
61007	Cutting nozzle	S 1	12 - 25 mm
61008	Cutting nozzle	S 2	25 - 50 mm
61009	Cutting nozzle	S 3	50 - 100 mm
61010	Cutting nozzle	S 4	100 - 200 mm
61011	Cutting nozzle	S 5	200 - 300 mm

Only suitable to KE17

CUTTING NOZZLE KG20 - ACETYLENE



Art.-No.	Type	Cutting range
61100	Heating nozzle	3 - 30 mm
61101	Heating nozzle	30 - 100 mm
61102	Heating nozzle	100 - 200 mm
61110	Cutting nozzle	3 - 10 mm
61111	Cutting nozzle	10 - 30 mm
61112	Cutting nozzle	30 - 60 mm
61113	Cutting nozzle	60 - 100 mm
61114	Cutting nozzle	100 - 200 mm

only suitable to KG20 Standardkopf

FK - FLAT HEAD NOZZLE



Art.-No.	Type	Gas type	Cutting range
61150	Heating nozzle	Acetylene H 1	2 - 100 mm
61151	Heating nozzle	Acetylene H 2	100 - 300 mm
61152	Heating nozzle	Propane H 3	3 - 100 mm
61160	Cutting nozzle S 0		1 - 3 mm
61161	Cutting nozzle S 1		3 - 12 mm
61162	Cutting nozzle S 2		12 - 25 mm
61163	Cutting nozzle S 3		25 - 40 mm
61164	Cutting nozzle S 4		40 - 65 mm
61165	Cutting nozzle S 5		65 - 100 mm
61166	Cutting nozzle S 6		100 - 150 mm
61167	Cutting nozzle S 7		150 - 220 mm

only suitable to for Flachkopfbrenner

NOZZLES

CUTTING NOZZLE AR - ACETYLENE



Art.-No.	Type	Class.	Cutting range
61201	Heating nozzle	H 1	3 - 100 mm
61202	Heating nozzle	H 2	100 - 300 mm
61210	Cutting nozzle	S 0	1 - 3 mm
61211	Cutting nozzle	S 1	3 - 10 mm
61212	Cutting nozzle	S 2	10 - 25 mm
61213	Cutting nozzle	S 3	25 - 40 mm
61214	Cutting nozzle	S 4	40 - 60 mm
61215	Cutting nozzle	S 5	60 - 100 mm
61216	Cutting nozzle	S 6	100 - 200 mm
61217	Cutting nozzle	S 7	200 - 300 mm

suitable to KM15, KM17, KG20 with AR head, K3000, Dortmund II, SKR

NOZZLES SUITABLE TO ARS - ACETYLENE



Art.-No.	Type	Cutting range
61250	Heating nozzle HA	3 - 100 mm
61251	Heating nozzle HA	100 - 300 mm
61261	Cutting nozzle SA	3 - 10 mm
61262	Cutting nozzle SA	10 - 25 mm
61263	Cutting nozzle SA	25 - 40 mm
61264	Cutting nozzle SA	40 - 60 mm
61265	Cutting nozzle SA	60 - 100 mm
61266	Cutting nozzle SA	100 - 200 mm
61267	Cutting nozzle SA	200 - 300 mm

suitable to KM15, KM17, KG20 with AR head, K3000, Dortmund II, SKR

PR - NOZZLES - PROPANE



Art.-No.	Type	Class.	Cutting range
61050	Heating nozzle	PH1	3 - 100 mm
61051	Heating nozzle	PH2	100 - 300 mm
61056	Cutting nozzle	P1	3 - 12 mm
61057	Cutting nozzle	P2	12 - 25 mm
61058	Cutting nozzle	P3	25 - 40 mm
61059	Cutting nozzle	P4	40 - 65 mm
61060	Cutting nozzle	P5	65 - 100 mm
61061	Cutting nozzle	P6	100 - 150 mm
61062	Cutting nozzle	P7	200 - 300 mm

suitable to KEP17, SKR, Dortmund II, KM17, K3000

NOZZLES

NOZZLES SUITABLE TO LPN - PROPANE / METHANE (NATURAL GAS) / LEUCHTGAS

suitable to Dortmund II, SKR, KEP17



Art.-No.	Type	Class.	Cutting range
61300	Heating	KHPL	2 - 100 mm
61301	Heating	KHPL	100 - 300 mm
61310	Cutting	KSPL	3 - 10 mm
61311	Cutting	KSPL	10 - 25 mm
61312	Cutting	KSPL	25 - 40 mm
61313	Cutting	KSPL	40 - 60 mm
61314	Cutting	KSPL	60 - 100 mm
61315	Cutting	KSPL	100 - 200 mm
61316	Cutting	KSPL	200 - 300 mm

NOZZLES SUITABLE TO PLRC - PROPANE / METHANE (NATURAL GAS) / LEUCHTGAS

suitable to Dortmund II, SKR, KEP17



Art.-No.	Type	Class.	Cutting range
61350	Heating	HPL	2 - 100 mm
61351	Heating	HPL	100 - 300 mm
61360	Cutting	SPL	3 - 10 mm
61361	Cutting	SPL	10 - 25 mm
61362	Cutting	SPL	25 - 40 mm
61363	Cutting	SPL	40 - 60 mm
61364	Cutting	SPL	60 - 100 mm
61365	Cutting	SPL	100 - 200 mm
61366	Cutting	SPL	200 - 300 mm

BLOCK NOZZLES AB - ACETYLENE

suitable to KE17, KM17, KG20, K3000, Dortmund II, SKR B



Art.-No.	Cutting range
61400	3 - 10 mm
61401	10 - 25 mm
61402	25 - 40 mm
61403	40 - 60 mm
61404	60 - 100 mm
61405	100 - 200 mm
61406	200 - 300 mm
2631032	Pressure screw

NOZZLES

GOUGING NOZZLES AB - ACETYLENE



suitable to Dortmund II, SKB / SKFB

Art.-No.	Type	Depth	Width
61430	1 bent shape	3 - 9 mm	6 - 8 mm
61431	2 bent shape	6 - 11 mm	8 - 11 mm
61432	3 bent shape	10 - 12 mm	10 - 12 mm
61440	1 straight shape	3 - 9 mm	6 - 8 mm
61441	2 straight shape	6 - 11 mm	8 - 11 mm
61442	3 straight shape	10 - 12 mm	10 - 12 mm

2631032 pressure screw

GAS MIXING NOZZLES AGN - ACETYLENE



suitable to KM15, K3000, Dortmund 1

Art.-No.	Range
61460	3 - 10 mm
61461	10 - 25 mm
61462	25 - 40 mm
61463	40 - 60 mm
61464	60 - 100 mm
61465	100 - 200 mm
61466	200 - 300 mm

3320040 pressure screw

GAS MIXING NOZZLES PNME - PROPANE / METHANE (NATURAL GAS) / ILLUMINATING GAS



suitable to KM15, K3000, Dortmund 1

Art.-No.	Range
61470	3 - 10 mm
61471	10 - 25 mm
61472	25 - 40 mm
61473	40 - 60 mm
61474	60 - 150 mm
61476	150 - 300 mm

3320040 pressure screw

CUTTING NOZZLE NFF - PROPANE / NATURAL GAS



suitable to Dortmund II machine cutting torches, twin shaped, outer nozzle chromed copper

Art.-No.	Range
61520	6 - 25 mm
61521	25 - 50 mm
61522	50 - 75 mm
61523	75 - 150 mm
61524	150 - 200 mm
61525	200 - 300 mm

3325602 pressure screw

NOZZLES

GOUGING NOZZLES FAGN - ACETYLENE

suitable to Dortmund 1, K3000 - one-piece, gas mixing



Art.-No.	Type	Depth	Width
61580	1 straight shaped	3 - 9 mm	6 - 8 mm
61581	2 straight shaped	6 - 11 mm	8 - 11 mm
61582	3 straight shaped	10 - 12 mm	10 - 12 mm
61570	1 bent shape	3 - 9 mm	6 - 8 mm
61571	2 bent shape	6 - 11 mm	8 - 11 mm
61572	3 bent shape	10 - 12 mm	10 - 12 mm
3320040	pressure screw		

GOUGING NOZZLES FHR - ACETYLENE

suitable to SKFR, Dortmund II, KM17, KG20 with AR head, K3000, SKR



Art.-No.	Type	Range
61600	Heating nozzle	0 - 1
61602	Heating nozzle	2 - 3
61605	Cutting nozzle	0
61606	Cutting nozzle	1
61607	Cutting nozzle	2
61608	Cutting nozzle	3

GOUGING HEATING AND CUTTING NOZZLE - ACETYLENE

Attention: suitable to only for thread W 23,3 x 19 for large torch heads



Art.-No.	Type	Range
61620	Heating nozzle	0 - 1
61621	Heating nozzle	2 - 3
61625	Cutting nozzle	0
61626	Cutting nozzle	1
61627	Cutting nozzle	2
61628	Cutting nozzle	3

NOZZLES

HEAVY DUTY MACHINE CUTTING NOZZLES - ACETYLENE

suitable to Dortmund II, KM17, KG20 with AR head, K3000, SKR,
machine cutting torches, similar to V1215



Art.-No.	Type	Range
61920	Heating nozzle	3 - 150 mm
61921	Heating nozzle	150 - 300 mm
61924	Cutting nozzle	6 - 10 mm
61925	Cutting nozzle	10 - 25 mm
61926	Cutting nozzle	25 - 40 mm
61927	Cutting nozzle	40 - 60 mm
61928	Cutting nozzle	60 - 100 mm
61929	Cutting nozzle	100 - 150 mm
61930	Cutting nozzle	150 - 230 mm
61931	Cutting nozzle	230 - 300 mm

HEAVY DUTY CUTTING NOZZLE - ACETYLENE

suitable to Dortmund II, KM17, KG20 with AR head, K3000, SKR,
machine cutting torches, similar to V1210



Art.-No.	Type	Range
61950	Heating nozzle	2 - 150 mm
61954	Cutting nozzle	6 - 10 mm
61955	Cutting nozzle	10 - 25 mm
61956	Cutting nozzle	25 - 40 mm
61957	Cutting nozzle	40 - 60 mm
61958	Cutting nozzle	60 - 100 mm
61959	Cutting nozzle	100 - 150 mm

GAS MIXING NOZZLES PSD - PROPANE / METHANE (NATURAL GAS) / ILLUMINATING GAS

suitable to Dortmund II, KM17, KG20 with AR head, K3000, SKR,
machine cutting torches, similar to C1230



Art.-No.	Type	Range
61970	Heating nozzle	3 - 100 mm
61971	Heating nozzle	100 - 300 mm
61973	Cutting nozzle	3 - 6 mm
61974	Cutting nozzle	6 - 15 mm
61975	Cutting nozzle	15 - 25 mm
61976	Cutting nozzle	25 - 40 mm
61977	Cutting nozzle	40 - 60 mm
61978	Cutting nozzle	60 - 100 mm
61979	Cutting nozzle	100 - 150 mm
61980	Cutting nozzle	100 - 200 mm
61981	Cutting nozzle	150 - 250 mm
61982	Cutting nozzle	250 - 300 mm

NOZZLE CONSUMPTION VALUES

KAYSER INFORMATION: TYPE AR



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen consumpt. [m ³ /h]	Fuel gas consumpt. [m ³ /h]
3 - 10	2,5 - 3,5	0,3	1,2 - 1,5	0,30
10 - 25	3,0 - 4,0	0,3	1,5 - 2,8	0,40
25 - 60	3,5 - 4,5	0,3	2,8 - 5,1	0,50
40 - 40	4,0 - 5,0	0,5	4,2 - 5,5	0,60
60 - 100	4,5 - 5,5	0,8	5,5 - 8,9	0,80

KAYSER INFORMATION: TYPE ARS



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen consumpt. [m ³ /h]	Fuel gas consumpt. [m ³ /h]
3 - 10	2,0 - 3,0	0,5	1,5 - 2,0	0,30
10 - 25	3,0 - 4,0	0,5	2,7 - 3,2	0,35
25 - 40	4,0 - 5,0	0,5	2,7 - 3,2	0,35
40 - 60	4,0 - 5,0	0,5	4,5 - 5,5	0,35
60 - 100	5,0 - 6,0	0,5	8,6 - 10,0	0,40
100 - 200	7,5	0,5	16,0	0,85
200 - 300	7,5	0,5	31,0	0,85

KAYSER INFORMATION: TYPE LPN



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen consumpt. [m ³ /h]	Fuel gas consumpt. [m ³ /h]
3 - 10	2,0 - 3,0	0,2	2,6 - 3,0	0,35
10 - 25	3,5 - 4,5	0,2	3,2 - 4,1	0,40
25 - 40	4,0 - 5,0	0,2	4,3 - 4,9	0,40
40 - 60	4,5 - 5,5	0,2	6,1 - 7,1	0,40
60 - 100	5,0 - 6,0	0,2	9,6 - 11,0	0,40
100 - 200	5,5 - 8,5	0,3	14,3 - 16,9	0,55
200 - 300	6,5 - 8,5	0,3	25,6 - 32,4	0,75

KAYSER INFORMATION: TYPE PLRC



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen consumpt. [m ³ /h]	Fuel gas consumpt. [m ³ /h]
3 - 10	2,0 - 3,0	0,2	2,6 - 3,0	0,33
10 - 25	3,0 - 4,0	0,2	4,3 - 4,9	0,38
25 - 60	4,0 - 5,0	0,2	4,3 - 4,9	0,30
40 - 40	4,5 - 5,5	0,2	6,1 - 7,1	0,38
60 - 100	5,5 - 6,0	0,2	9,6 - 11,0	0,38
100 - 200	5,5 - 6,5	0,2	14,3 - 16,9	0,50 - 0,70
200 - 300	6,5 - 8,5	0,2	25,6 - 32,4	0,70 - 0,90

NOZZLE CONSUMPTION VALUES

KAYSER INFORMATION: TYPE AB



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen consumpt. [m ³ /h]	Fuel gas consumpt. [m ³ /h]
3-10	2,5-3,5	0,3	1,6-2,0	0,30
10-25	3,0-4,0	0,3	2,8-3,5	0,40
25-60	3,5-4,5	0,3	4,5-5,3	0,60
40-60	4,0-5,0	0,3	6,5-8,0	0,70
60-100	4,5-5,5	0,3	10,0-13,0	0,80
100-200	5,0-6,0	0,8	15,0-19,0	1,00
200-300	7,0-8,0	0,8	24,0-28,0	1,50

KAYSER INFORMATION: TYPE AGN



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen consumpt. [m ³ /h]	Fuel gas consumpt. [m ³ /h]
3 - 10	2,5 - 3,5	0,3	1,25 - 1,65	0,30
10 - 25	3,0 - 4,0	0,3	2,12 - 3,20	0,40
25 - 40	3,5 - 4,5	0,3	3,20 - 4,45	0,45
40 - 60	4,5 - 5,0	0,5	4,50 - 5,50	0,50
60 - 100	4,5 - 5,5	0,5	8,40 - 9,80	0,60
100 - 200	5,0 - 6,5	0,5	13,0 - 15,0	0,75
200 - 300	6,0 - 7,5	0,8	15,0 - 19,0	1,00

KAYSER INFORMATION: TYPE PNME



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen consumpt. [m ³ /h]	Fuel gas consumpt. [m ³ /h]
3 - 10	2,0	0,3	2,1	0,30
10 - 25	3,0	0,3	3,2	0,40
25 - 40	3,0	0,3	5,2	0,60
40 - 60	3,5	0,3	7,4	0,80
60 - 150	3,5	0,3	13,6	1,00
150 - 300	3,5 - 6,5	0,3	34,7	1,30

KAYSER INFORMATION: TYPE NFF



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen consumpt. [m ³ /h]	Fuel gas consumpt. [m ³ /h]
6 - 25	2,5 - 3,5	0,5	3,5 - 4,5	0,40
25 - 50	3,0 - 4,0	0,5	4,0 - 4,8	0,40
50 - 75	3,0 - 4,5	0,5	5,0 - 6,5	0,40
75 - 150	3,5 - 5,5	0,5	6,5 - 9,5	0,50
150 - 200	4,5 - 5,5	0,5	10,0 - 14,0	0,60
200 - 300	5,0 - 6,5	0,5	15,0 - 19,0	0,70

NOZZLE CONSUMPTION VALUES

KAYSER INFORMATION: TYPE FAGN



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen cons. [m ³ /h]	Fuel gas cons. [m ³ /h]
1	4,0 - 5,0	0,6	4,0 - 4,7	1,10
2	5,0 - 6,0	0,7	6,3 - 7,3	1,30
3	6,0 - 7,0	0,8	9,3 - 10,0	1,50

KAYSER INFORMATION: TYPE FHR



Cutting range [mm]	Oxygen pressure [bar]	Fuel gas pressure [bar]	Oxygen cons. [m ³ /h]	Fuel gas cons. [m ³ /h]
1	6,0	0,5	5,50	0,60
2	7,0	0,5	6,40	0,90
3	8,0	0,5	16,90	1,10

KAYSER INFORMATION: TYPE PSD



Cutting range [mm]	Cutting speed [bar]	Cutting Oxygen [bar]	Heating Oxygen pressure [bar]	Fuel gas pressure [bar]
3 - 6	740 - 750	2,0 - 5,0	1,5	0,2
7 - 15	560 - 670	5,0 - 7,0	2	0,2
15 - 25	460 - 560	6,0 - 7,0	2	0,2
25 - 40	400 - 460	6,0 - 7,5	2	0,2
40 - 60	340 - 400	5,5 - 7,5	2	0,2
60 - 100	270 - 340	6,0 - 8,5	2	0,2
100 - 200	180 - 270	7,5 - 9,5	4,5	0,6
100 - 150	180 - 270	6,5 - 7,5	4,5	0,3
150 - 250	130 - 180	6,5 - 8,5	4,5	0,3
250 - 300	110 - 130	6,5 - 8,5	5	0,3

Cutting Oxygen cons. [m ³ /h]	Fuel gas cons. [m ³ /h]	Heating Oxygen cons. [m ³ /h]
0,5 - 1,0	0,25	1
1,6 - 2,0	0,32	1,3
2,5 - 3,1	0,32	1,3
3,8 - 4,5	0,32	1,3
4,2 - 5,6	0,32	1,3
7,6 - 10,6	0,32	1,3
13,3 - 16,5	0,60	2,4
13,3 - 16,5	0,32	2,4
18,0 - 22,0	0,60	2,4
23,0 - 30,0	0,62	2,5