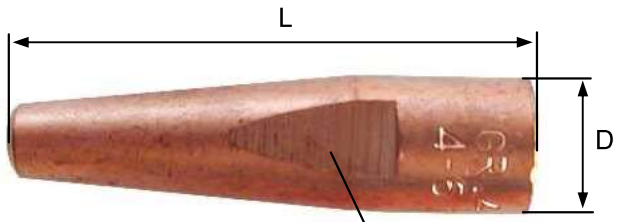
GRIFLAM® Heating Technology
Heating Nozzles:
Type Z-A

MESSER Cutting & Welding



Type Z4-A stubby



Type Z4-A slim

Gases:
- Acetylene/Oxygen

Type Z-A slim (1):
- Low weight
- Good weld pool visibility

Type Z-A stubby (2):
- For high thermal loads

Construction:
Single jet copper welding and heating nozzle with central flame outlet.
Sharply defined primary cone through special processing of the nozzle jets and proven flow technology in canal outlets.
Heating nozzles with other threads, special surface coating, water cooling or from heat resisting stainless steel available on request.

Applications:
Used with under pressure mixing systems (injectors) individually or combined for welding, melting, brazing, heating, flame straightening etc.

Type/Size	Type	Welding range [mm]	Nozzle dimensions [mm]			Threads M [mm]	fit for Insert type		Nozzle Part No.
			D	L	SW		STARLET	STAR	
Z-A 0	(1)	0,2– 0,5	11	40	9	M 8	71601600	-	**71601540**
	(2)		13	45	11	M 10x1,5	-	-	**24234910**
Z-A 1	(1)	0,5 - 1	11	40	9	M 8	71601601	-	**71601541**
	(2)		13	45	11	M 10x1,5	71601611	71601621	**24234110**
Z-A 2	(1)	1 -2	11	40	9	M 8	71601602	-	**71601542**
	(2)		13	45	11	M 10x1,5	71601612	71601622	**24234210**
Z-A 3	(1)	2 - 4	11	40	9	M 8	71601603	-	**71601543**
	(2)		13	50	11	M 10x1,5	71601613	71601623	**24234310**
Z-A 3,5	(1)	3 - 5	11	40	9	M 8	71601820	-	**71601882**
	(2)		13	50	11	M 10x1,5	71601830	-	**71600686**
Z-A 4	(1)	4 - 6	11	40	9	M 8	71601604	-	**71601544**
	(2)		13	50	11	M 10x1,5	71601614	71601624	**24234410**
Z-A 5	(1)	6 - 9	11	56	9	M 8	71601605	-	**71601545**
	(2)		16	65	14	M 12x1,5	71601615	71601625	**24234510**
Z-A 6	(1)	9 - 14	11	56	9	M 8	71601606	-	**71601546**
	(2)		16	65	14	M 12x1,5	71601616	71601626	**24234610**
Z-A 7	(2)	14 – 20	19	80	17	M 14x1,5	71601837	71601627	**24234710**
Z-A 8	(2)	20 – 30	19	80	17	M 14x1,5	71601838	71601628	**24234810**
Z-A 9	(2)	30 – 40	22	100	22	M 18x1,5	-	71600863	**71600170**
Z-A 10	(2)	from 40	22	100	22	M 18x1,5	-	71600865	**71600171**