



PSF

*- productivity and performance
where it matters the most*

**PSF 250/305/405/505 - Self cooled welding guns.
PSF 410W/510W - Water cooled welding guns.**

- 4 self cooled welding guns
- 2 water cooled welding guns
- 2 hose lengths
- Ergonomical handles
- Remote welding process control, 3 programs
- Range of angled swan necks
- Accessories for spot welding
- Mechanical switch
- Wire liners for all materials and dimensions
- Contact tips of CuCrZr for long life
- Special HELIX™ contact tips for extra long life



Technical data

	Welding gun	Max welding current			Wire diameters (mm)			Weight (hose length)	
		CO ₂	MIX Ar	Non-all. wire	Stainless	Cored	Alum. (hard)	3 m	4.5 m
Self cooled	PSF 250	250A 60%	225A 60%	0,6 - 1,0	0,6 - 1,0	1,0	1,0	1,8 kg	2,5 kg
	PSF 305	315A 60%	285A 60%	0,8 - 1,2	0,8 - 1,2	1,0 - 1,2	1,0 - 1,2	2,5 kg	3,3 kg
	PSF 405	380A 60%	325A 60%	0,8 - 1,6	0,8 - 1,2	1,0 - 1,6	1,0 - 1,6	3,1 kg	4,2 kg
	PSF 505	475A 60%	410A 60%	1,0 - 2,4	1,0 - 1,6	1,0 - 2,4	1,2 - 2,4	3,9 kg	5,3 kg
Water cooled	PSF 410W	400A 100%	350A 100%	0,8 - 1,6	0,8 - 1,2	1,0 - 1,6	1,0 - 1,6	3,0 kg	3,9kg
	PSF 510W	500A 100%	440A 100%	1,0 - 2,4	1,0 - 1,6	1,0 - 2,4	1,2 - 2,4	3,3 kg	4,0kg

Ordering information

	Welding gun	With EURO-connection		With RS3 Remote 3-step program switch	
		Hose length 3 m	Hose length 4,5 m	Hose length3 m	Hose length 4,5 m
Self cooled	PSF 250	0368 100 882	0368 100 883	-	-
	PSF 305	0458 401 880	0458 401 881	-	-
	PSF 405	0458 401 882	0458 401 883	0458 401 892	0458 401 893
	PSF 505	0458 401 884	0458 401 885	-	-
Water cooled	PSF 410W	0458 400 882	0458 400 883	0458 400 898	0458 400 899
	PSF 510W	0458 400 884	0458 400 885	0458 400 900	0458 400 901

Type of welding gun		PSF 250	PSF 305 PSF 410W	PSF 405 PSF 510W	PSF 505
Wear parts					
SWAN NECK Self cooled PSF 250 - 505	Acc. 0°	0469 329 880	0469 333 880	0469 334 880	0469 335 880
	Std. 45°	0366 315 880	0366 388 880	0366 389 880	0366 390 880
	Acc. 60°	0467 985 880	0467 988 881	0467 988 880	0467 989 880
SWAN NECK Water cooled PSF 410W - 510W	Acc. 0°		0458 403 886	0458 403 887	-
	Std. 45°		0458 403 881	0458 403 882	-
	Acc. 60°		0458 403 884	0458 403 885	-
GAS NOZZLE Self / water cooled Threaded	Tapered	0458 465 881	0458 465 882	0458 465 883	0458 465 884
	Std.	0458 464 881	0458 464 882	0458 464 883	0458 464 884
	Straight	0458 470 881	0458 470 882	0458 470 883	0458 470 884
SPATTER PROTECTION Self / water cooled gas nozzle		0458 471 002	0458 471 003	0458 471 004	0458 471 005
SPOT WELDING ACCESSORY Self and water cooled		0366 643 881	0366 643 882	0366 643 883	0366 643 884
TIP ADAPTOR Self-cooled	M6	0366 314 001	0366 394 001 (305)	0366 394 001	
	M8		0366 394 002 (510W)	0366 394 002	0366 395 001
	HELIX™ M7	0368 310 001	0368 311 001	0368 311 001	0368 312 001
	HELIX™ M8	-	0366 394 002	0366 394 002	0366 395 001
CONTACT TIP M6 x 27 CuCrZr	<i>CO₂</i>				
	<i>Mix/Ar</i>				
	0,6	0468 500 001	0468 500 001	0468 500 001	-
	-	0468 500 002	0468 500 002	0468 500 002	-
	0,8	0468 500 003*	0468 500 003*	0468 500 003*	-
	0,9	0468 500 004	0468 500 004	0468 500 004	-
	1,0	0468 500 005*	0468 500 005*	0468 500 005*	-
	1,2	0468 500 007*	0468 500 007*	0468 500 007*	-
	1,4	-	0468 500 008*	0468 500 008*	-
	For detailed information please see manual	-	0468 500 009	0468 500 009	-
	-	1,6	0468 500 010	0468 500 010	-
	0,8	-	0468 502 003*	0468 502 003*	0468 502 003*
	0,9	0,8	0468 502 004	0468 502 004	0468 502 004
1,0	0,9	0468 502 005*	0468 502 005*	0468 502 005*	
1,2	1,0	0468 502 007*	0468 502 007*	0468 502 007*	
1,4	1,2	0468 502 008*	0468 502 008*	0468 502 008*	
1,6	-	0468 502 009	0468 502 009	0468 502 009	
-	1,6	0468 502 010	0468 502 010	0468 502 010	
For detailed information please see manual	2,0	-	0468 502 011	0468 502 011	
-	2,4	-	0468 502 012	0468 502 012	
CONTACT TIP Please see main brochure or manual HELIX™ and Nib.		* available in 100-pack as 0468 500/502 -303, 305, 307			
		3 m/4,5 m	3 m/4,5 m	3 m/4,5 m	3 m/4,5 m
LINER Steel liner for non-alloyed and cored wires	0,6 - 0,8	0366 549 882/883	0366 549 882/883	0366 549 882/883	-
	0,9 - 1,0	0366 549 884/885	0366 549 884/885	0366 549 884/885	0366 549 884/885
	1,2	0366 549 886/887	0366 549 886/887	0366 549 886/887	0366 549 886/887
	1,4	-	0366 549 888/889	0366 549 888/889	0366 549 888/889
	1,6	-	0366 549 890/891	0366 549 890/891	0366 549 890/891
	2,0	-	-	0366 549 892/893	0366 549 892/893
	2,4	-	-	0366 549 894/895	0366 549 894/895
LINER Teflon liner for Fe, Ss, Al	0,6	0366 550 880/881	-	-	-
	0,8	-	0366 550 882/883	0366 550 882/883	-
	0,9 - 1,0	-	0366 550 884/885	0366 550 884/885	0366 550 884/885
	1,2	-	0366 550 886/887	0366 550 886/887	0366 550 886/887
	1,4	-	0366 550 888/889	0366 550 888/889	0366 550 888/889
	1,6	-	0366 550 890/891	0366 550 890/891	0366 550 890/891
	When welding Aluminium the wear insert should be 2,0 changed to a carbon-teflone type. Please see manual.	2,0	-	0366 550 892/893	0366 550 892/893
-	2,4	-	0366 550 894/895	0366 550 894/895	
TEFLON LINER Beige Full length without wear insert	1,0 - 1,2	0457 969 882/883	0457 969 882/883	0457 969 882/883	0457 969 882/883
	1,4 - 1,6	-	0457 969 884**	0457 969 884**	0457 969 884**



** Only 3 m available

Bold = standard wear parts

ESAB reserves the right to alter specifications without prior notice
ESAB is approved according to ISO 9001:2000



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