

PSFTM

*- productivity and performance
where it matters the most*

PSFTM 250/305/405/505 - Self cooled welding torches.
PSFTM 410w/510w - Water cooled welding torches.

- 4 self cooled welding torches
- 2 water cooled welding torches
- 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 torch | 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 | PSFTM 250 | 250A 60% | 225A 60% | 0,6 - 1,0 | 0,6 - 1,0 | 1,0 | 1,0 | 1,8 kg | 2,5 kg |
| | PSFTM 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 |
| | PSFTM 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 |
| | PSFTM 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 | PSFTM 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 |
| | PSFTM 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 torch | With EURO-connection | | With RS3 Remote 3-step program switch | |
|--------------|---------------|----------------------|-------------------|---------------------------------------|-------------------|
| | | Hose length 3 m | Hose length 4,5 m | Hose length 3 m | Hose length 4,5 m |
| Self cooled | PSFTM 250 | 0368 100 882 | 0368 100 883 | - | - |
| | PSFTM 305 | 0458 401 880 | 0458 401 881 | - | - |
| | PSFTM 405 | 0458 401 882 | 0458 401 883 | 0458 401 892 | 0458 401 893 |
| | PSFTM 505 | 0458 401 884 | 0458 401 885 | - | - |
| Water cooled | PSFTM 410w | 0458 400 882 | 0458 400 883 | 0458 400 898 | 0458 400 899 |
| | PSFTM 510w | 0458 400 884 | 0458 400 885 | 0458 400 900 | 0458 400 901 |

| Type of welding torch | | PSF™ 250 | PSF™ 305 PSF™ 410w | PSF™ 405 PSF™ 510w | PSF™ 505 |
|--|---|--|--|---|---|
| Wear parts | | | | | |
| SWAN NECK Self cooled PSF™ 250 - 505 | Acc. 0° Std. 45° Acc. 60° | 0469 329 880 0366 315 880 0467 985 880 | 0469 333 880 0366 388 880 0467 988 881 | 0469 334 880 0366 389 880 0467 988 880 | 0469 335 880 0366 390 880 0467 989 880 |
| SWAN NECK Water cooled PSF™ 410w – 510w | Acc. 0° Std. 45° Acc. 60° | | 0458 403 886 0458 403 881 0458 403 884 | 0458 403 887 0458 403 882 0458 403 885 | - - - |
| GAS NOZZLE Self / water cooled Threaded | Tapered Std. Straight | 0458 465 881 0458 464 881 0458 470 881 | 0458 465 882 0458 464 882 0458 470 882 | 0458 465 883 0458 464 883 0458 470 883 | 0458 465 884 0458 464 884 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 M8 HELIX™ M7 HELIX™ M8 | 0366 314 001 0368 310 001 - | 0366 394 001 (305) 0366 394 002 (410w) 0368 311 001 0366 394 002 | 0366 394 001 0366 394 002 0368 311 001 0366 394 002 | 0366 395 001 0368 312 001 0366 395 001 |
| CONTACT TIP M6 x 27 CuCrZr | <i>CO₂</i> 0,6 - 0,8 0,9 1,0 1,2 1,4 1,6 - For detailed information please see manual | <i>Mix/Ar</i> - 0,6 - 0,8 0,9 1,0 1,2 1,4 1,6 - 1,6 | 0468 500 001 0468 500 002 0468 500 003* 0468 500 004 0468 500 005* 0468 500 007* (305) 0468 500 008* 0468 500 009 0468 500 010 | 0468 500 001 0468 500 002 0468 500 003* 0468 500 004 0468 500 005* 0468 500 007* (305) 0468 500 008* 0468 500 009 0468 500 010 | - - - - - - - - - |
| CONTACT TIP M8 x 37 CuCrZr | 0,8 0,9 1,0 1,2 1,4 1,6 - For detailed information please see manual | - 0,8 0,9 1,0 1,2 1,4 1,6 - 2,0 2,4 | 0468 502 003* 0468 502 004 0468 502 005* 0468 502 007* (410w) 0468 502 008* 0468 502 009 0468 502 010 | 0468 502 003* 0468 502 004 0468 502 005* 0468 502 007* (405) 0468 502 008* 0468 502 009 (510w) 0468 502 010 0468 502 011 (510w) 0468 502 012 (510w) | 0468 502 003* 0468 502 004 0468 502 005* 0468 502 007* 0468 502 008* 0468 502 009 0468 502 010 0468 502 011 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 0,9 - 1,0 1,2 1,4 1,6 2,0 2,4 | 0366 549 882/883 0366 549 884/885 - - - - - | 0366 549 882/883 0366 549 884/885 0366 549 886/887 0366 549 888/889 0366 549 890/891 - | 0366 549 882/883 0366 549 884/885 0366 549 886/887 (405) 0366 549 888/889 0366 549 890/891 (510w) 0366 549 898 (4,5 m – 510w) 0366 549 899 (4,5 m – 510w) | - 0366 549 884/885 0366 549 886/887 0366 549 888/889 0366 549 890/891 0366 549 898 (4,5 m) 0366 549 899 (4,5 m) |
| LINER PTFE liner for Fe, Ss, Al | 0,6 0,8 0,9 - 1,0 1,2 1,4 1,6 When welding Aluminium the wear insert should be changed to a carbon-teflone type. Please see manual. | 0366 550 880/881 - - - - - - | - 0366 550 882/883 0366 550 884/885 0366 550 886/887 0366 550 888/889 0366 550 890/891 | - 0366 550 882/883 0366 550 884/885 0366 550 886/887 0366 550 888/889 0366 550 890/891 0366 550 892/893 (510w) | - - 0366 550 884/885 0366 550 886/887 0366 550 888/889 0366 550 890/891 0366 550 892/893 |
| PTFE ceramic LINER (Beige) Full length without wear insert | 1,0 - 1,2 1,4 - 1,6 | 0457 969 882/883 - | 0457 969 882/883 0457 969 884** | 0457 969 882/883 0457 969 884** | 0457 969 882/883 0457 969 884** |



** Only 3 m available
Bold = standard wear parts



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