

Trailing Shields

Secondary gas shielding for exotic & reactive metals

When welding exotic materials such as Titanium, a secondary gas shield is necessary to protect the cooling weld bead and HAZ (heat affected zone). Trailing shields prevent oxidation by shielding the weld from the atmosphere until it has cooled to a safe temperature. Trailing shields are essential to avoid weld rejects and costly re-working.

Flat versions are available for sheet or plate work as well as profiled versions for the internal and external welding of pipes, vessels and tanks.

Types of Trailing Shield

Stainless Steel

Made from stainless steel these shields utilise a sintered metal gas diffuser to help prevent turbulence in the welding zone. These versatile shields can be used on more than one pipe size.

Aluminium

These models use the same gas diffuser system as stainless steel versions. The seals are very easy and economical to replace.



Aluminium part nos and sizing:

Part No.	Description
ATS1	Trailing Shield 1"
ATS1.5	Trailing Shield 1¼"–1½"
ATS2	Trailing Shield 2"
ATS3	Trailing Shield 3"
ATS4	Trailing Shield 4"
ATS6	Trailing Shield 6"
ATS8	Trailing Shield 8"
ATS10	Trailing Shield 10"
ATS14	Trailing Shield 12–14"
ATS16	Trailing Shield 16"
ATS18	Trailing Shield 18"
ATS22	Trailing Shield 20"–22"
ATS28	Trailing Shield 24"–28"
ATSS	Trailing Shield Straight

Stainless Steel part nos and sizing:

Part No.	Description
SSTS3/8	Trailing Shield 3/8"
SSTS0.5	Trailing Shield ½"
SSTS0.75	Trailing Shield ¾"
SSTS1	Trailing Shield 1"
SSTS1.5	Trailing Shield 1¼"–1½"
SSTS2	Trailing Shield 2"
SSTS3	Trailing Shield 2½"–3"
SSTS4	Trailing Shield 3½"–4"
SSTS8	Trailing Shield 5"–8"
SSTS16	Trailing Shield 8"–16"
SSTSS	Trailing Shield Straight
SSTSI	Trailing Shield 90° Internal
SSTS0	Trailing Shield 90° Outside

Other versions and models available on request.