

Duplex Flat Webbing Slings

SANS94-1 / EN1492-1

Working Load Limits



1 Leg						2 Leg		3/4 Leg	
Colour coding	Vertical	Choke	Basket Parallel	Basket 90°	Basket 120°	90°	120°	90°	120°
	(Ton)	(Ton)	(Ton)	(Ton)	(Ton)	(Ton)	(Ton)	(Ton)	(Ton)
violet	1.00	0.80	2.00	1.40	1.00	1.40	1.00	2.10	1.50
green	2.00	1.60	4.00	2.80	2.00	2.80	2.00	4.20	3.00
yellow	3.00	2.40	6.00	4.20	3.00	4.20	3.00	6.30	4.50
grey	4.00	3.20	8.00	5.60	4.00	5.60	4.00	8.40	6.00
red	5.00	4.00	10.00	7.00	5.00	7.00	5.00	10.50	7.50
brown	6.00	4.80	12.00	8.40	6.00	8.40	6.00	12.60	9.00
blue	8.00	6.40	16.00	11.20	8.00	11.20	8.00	16.80	12.00
orange	10.00	8.00	20.00	14.00	10.00	14.00	10.00	21.00	15.00
orange	15.00	12.00	30.00	21.00	15.00	21.00	15.00	31.50	22.50
Mode Factor									
	1.0	0.8	2.0	1.4	1.0	1.4	1.0	2.1	1.5
Working Load Limits above apply to normal conditions of use in straight configuration and based on uniform load.									
Factor of Safety 7:1									

High-Strength Polyester Webbing

Manufactured from high-tenacity polyester (PES) yarns for superior strength, durability and lifting performance.

Colour-Coded Capacity Identification

Easy-to-identify colour coding and marker strands indicate the Working Load Limit (WLL) for improved lifting safety.

Reinforced Soft Eyes

Extra reinforcement protects sling eyes against wear, abrasion and damage during lifting and choking applications.

Full Product Traceability

Unique traceability code links each sling to manufacturing records, webbing identification and fitting specifications.

Certified & Tested

Supplied with an individual test certificate for quality assurance and compliance.

Ready to Use

Individually packaged with operating instructions and maintenance guidelines for safe lifting operations.

Safe Use and Maintenance



Environmental & Chemical Considerations

- Polyester (PES): Resistant to most acids but damaged by alkalis.
- Polyamide: Resistant to alkalis but damaged by mineral acids.
- Polypropylene: Resistant to most acids and alkalis.
- Remove contaminated slings from service immediately, rinse with cold water, allow to dry naturally, and have them inspected by a competent person.
- Slings fitted with Grade 8 master links or fittings should not be used in acidic environments.

Temperature Limits

Material	Operating Temperature
Polyester	-40°C to 100°C
Polyamide	-40°C to 100°C
Polypropylene	-40°C to 80°C

Protection Against Damage

- Protect slings from sharp edges, abrasion, and friction.
- Never drag slings across rough surfaces or use them to drag loads.
- Avoid prolonged exposure to direct sunlight and UV radiation.

Pre-Use Inspection

- Check for cuts, tears, abrasion, chemical damage, or damaged fittings.
- Ensure the identification label and Working Load Limit (WLL) are clearly visible.
- Remove damaged slings from service immediately.

Safe Lifting Practices

- Confirm the load weight, center of gravity, and lifting points before lifting.
- Never exceed the sling's WLL.
- Protect slings from sharp load edges.
- Avoid shock loading, twisting, and sudden movements.
- Keep personnel clear of suspended loads at all times.
- Lower loads in a controlled manner to prevent sling damage.

Storage & Maintenance

- Store slings in a clean, dry, well-ventilated area away from heat and direct sunlight.
- Have slings inspected regularly by a competent person and at least annually.
- Keep inspection records up to date.
- Never attempt to repair damaged webbing slings.

Proper inspection, storage, and safe lifting practices help maximize sling lifespan, maintain compliance, and ensure safe lifting operations.