

Working Load Limits chart

WORKING LOAD LIMIT (WLL) IN KG FOR ROUND SLINGS AND WEBBING SLINGS							
SAFETY COLOUR CODE 7-1 SAFETY FACTOR	STRAIGHT LIFT	CHOKE LIFT	BASKET LIFT			MULTI-LEG SLINGS	
			Parallel to 7° 	7° to 45° 	45° to 60° 	0° to 45° 	0° to 45° 
MODE FACTOR	1.0	0.8	2.0	1.4	1.0	1.4	2.0
VIOLET	1000	800	2000	1400	1000	1400	2000
GREEN	2000	1600	4000	2800	2000	2800	4000
YELLOW	3000	2400	6000	4200	3000	4200	6000
GREY	4000	3200	8000	5600	4000	5600	8000
RED	5000	4000	10000	7000	5000	7000	10000
BROWN	6000	4800	12000	8400	6000	8400	12000
BLUE	8000	6400	16000	11200	8000	11200	16000
ORANGE	10000	8000	20000	14000	10000	14000	20000
ORANGE	12000	9600	24000	16800	12000	16800	24000

Information regarding Contamination of Polyester Slings

Polyester slings should be used whenever a minimum of stretch is required. They are unaffected by common acids and hot bleaching solutions. Polyester slings must not be used with Sulphuric Acid or Alkalis. Not suitable for use at temperatures exceeding 200°C. Stretch at rated capacity is 3% approx.

Alcohol	OK
Aldehydes	NO
Strong Alkalis	**
Bleaching Agent	OK
Dry Cleaning Solvents	OK
Ethers	NO
Halogenated Hydrocarbons	OK
Hydrocarbons	OK
Ketones	OK
Oil, Crude	OK
Oil, Lubrication	OK
Soaps & Detergents	OK
Water, Seawater	OK
Weak Alkalis	OK

*Disintegrated by concentrated sulphuric acid

**Degraded by strong alkalis at high temperatures