

HIGH PERFORMANCE SYNTHETICS

WHO CAN BENEFIT FROM USING AN ULTRA-MAXX HMPE ROUND SLING?










HMPE Round Slings can be more expensive to purchase than a polyester sling but depending on your lift, the benefits could outweigh the costs. Ultra-Maxx High Performance HMPE Slings are a great choice when considering how to improve safety and efficiency in the workforce. They are easy to inspect, cost effective to repair (if there is no internal yarn damage) and are one of the best ergonomic tools on the market to replace polyester slings and heavy lift wire rope slings.

MATERIAL	HMPE	POLYESTER
D:d-ratio (100% WLL)	1:1	1:2.5
Acids and alkalis	Generally good resistance and alkalis	Is not affected by most mineral acids but is damaged by alkalis
UV-light	No impact of ultraviolet light	Long-term negative impact of ultraviolet light
Floating on water	Floats	Doesn't float
Temperature	-40°C up to +70°C	-40°C up to +100°C
Material	HMPE	Polyester
Gentle to other equipment	Yes	Yes

WHEN SHOULD I CHOOSE A HMPE SLING?

We always recommend a HMPE sling when lifting more than 20t. A polyester sling is heavier and coarser than a HMPE sling regardless of the maximum load, and with loads over 20t a polyester sling becomes difficult to handle. The fact that a HMPE sling has a higher price than the equivalent in polyester is in most cases offset by a significantly longer service life and an improved working environment.

WORKING LOAD LIMITS

COMPLIES TO AS 4497	VERTICAL	CHOKE	BASKET	30°	60°	90°	120°	60°	60° CHOKE	
ROUND SLINGS										
Colour Code	WLL	Vertical	Choke	Basket	30°	60°	90°	120°	60°	60° Choke
LOAD FACTOR		L = 1.0	L = 0.8	L = 2.0	L = 1.9	L = 1.7	L = 1.4	L = 1.0	L = 1.7	L = 1.38
Orange	5.0	5.0	4.0	10.0	9.5	8.6	7.0	5.0	8.6	6.9
Orange	10.0	10.0	8.0	20.0	19.0	17.3	14.1	10.0	17.3	13.8
Orange	20.0	20.0	16.0	40.0	38.0	34.0	28.0	20.0	34.0	27.0
Orange	30.0	30.0	24.0	60.0	57	51.0	42.0	30.0	51.0	41.0
Orange	50.0	50.0	40.0	100.0	95	86.0	70.0	50.0	86.0	69.0
Orange	100.0	100.0	80.0	200.0	190	170	140	100	170	138
Orange	150.0	150.0	120.0	300.0	285	255	210	150	255	207
Orange	200.0	200.0	160.0	400.0	380	340	280	200	380	276

Larger tonnages supplied, however, current standard does not cover larger than 10 tonne.

Note: We stock up to 200t HMPE round slings