

GARSAFE HPS – HIGH PERFORMANCE SLINGS

STRENGTH OF STEEL, LIGHTNESS OF FIBRE

Garsafe Duro - HMPE Round Slings

Made from HMPE Yarns -

- ▲ As strong as steel wire of the same diameter – but 7 times lighter !!!!
- ▲ Floats on water
- ▲ Extremely durable
- ▲ Comes with Abrasion Resistant / Cut Resistant Sleeves



Advantages & Benefits



**High
Strength**



**Increased
Usage cycle**



**Safety & Ease
of Handling**



**Light
Weight**



**Low Cost
of Ownership**



Cost benefit analysis

- Strength => SWR
- Weight = 1/7 of SWR
- No Fish hooks
- Non corrosive
- Virtually a non-conductor of electricity unlike Steel Wire
- Excellent Flex & Tension Fatigue Resistance
- Fully UV resistant
- Unaffected by most chemicals

Technical Specification

Sling Capacity-Safe Working Load (5:1)(MT)	Number of Round Required	GTFL Rope Dia (mm)	Rope BS (MT)	Sling BS (MT)	Average Rope Wt (Kg/mtr)	Sleeve Width (MM)	Average Sleeve Wt (Kg/mtr)	Total Sling Weight (Kg/mtr)
8	1	15	23	40	0.31	50	0.29	0.60
9	1	16	26	44	0.35	50	0.29	0.65
10	1	17	29	49	0.40	50	0.29	0.70
11	1	18	32	55	0.45	75	0.44	0.89
12	1	19	36	60	0.51	75	0.44	0.95
16	1	22	46	78	0.68	75	0.44	1.13
17	1	23	50	84	0.75	75	0.44	1.19
18	1	24	53	90	0.82	75	0.44	1.26
21	1	26	61	104	0.97	100	0.59	1.56
22	1	27	66	111	1.05	100	0.59	1.64
25	1	29	74	126	1.19	100	0.59	1.77
27	1	30	79	134	1.27	100	0.59	1.86
28	1	31	84	142	1.36	100	0.59	1.95
32	1	33	93	159	1.56	100	0.59	2.15
33	1	34	98	167	1.66	100	0.59	2.25
35	1	35	104	176	1.77	100	0.59	2.36
37	1	36	109	186	1.88	125	0.73	2.61
39	2	25	57	194	1.59	125	0.73	2.32
42	2	26	61	208	1.72	125	0.73	2.45
48	2	28	70	238	1.99	125	0.73	2.72
51	2	29	74	253	2.14	125	0.73	2.87
57	2	31	84	284	2.42	150	0.88	3.30
63	2	33	93	317	2.74	150	0.88	3.62
67	2	34	98	335	2.91	150	0.88	3.79
71	2	35	104	353	3.09	150	0.88	3.97
76	3	29	74	379	3.08	150	0.88	3.96
81	3	30	79	403	3.29	150	0.88	4.17
85	3	31	84	426	3.51	175	1.02	4.54
95	3	33	93	476	3.98	175	1.02	5.00
95	3	33	93	476	3.98	175	1.02	5.00
100	3	34	98	502	4.22	175	1.02	5.24
111	3	36	109	557	4.74	200	2.34	7.07
127	4	33	93	634	5.24	200	2.34	7.58
134	4	34	98	669	5.56	200	2.34	7.90
141	4	35	104	705	5.90	200	2.34	8.23
152	6	29	74	759	5.99	225	2.63	8.62
161	6	30	79	806	6.40	225	2.63	9.03
171	6	31	84	853	6.82	225	2.63	9.45
186	5	36	109	928	7.71	250	2.92	10.63
190	6	33	93	952	7.77	250	2.92	10.69
201	6	34	98	1004	8.24	250	2.92	11.16
223	6	36	109	1113	10.15	250	3.07	13.21
254	8	33	93	1269	11.26	275	3.37	14.64
301	9	34	98	1506	13.42	275	3.37	16.80
353	10	35	104	1763	15.76	300	3.68	19.44
402	12	34	98	2008	17.75	350	4.29	22.05
502	15	34	98	2510	22.12	350	4.29	26.41

Garsafe Duro / Garsafe Secure

Cut / Abrasion Resistant Sleeves

Provided With Proprietary Abrasion Resistant /
Cut Resistant Rope Sleeves

Testing Result At the End of 400 load Cycles



Steel Wire Rope

HMPE + Sleeve

Can be provided upto SWL 200 MT upto 5:1 Safety factor , for any length

Round sling vs Rope sling

- Shape Retention and Balance
- Inspection and Re-Jacketing
- Exposure to outside condition
- Wear resistance of the core

GARWARE TECHNICAL FIBRES LTD.

Plot No 11, Block D-1, MIDC, Chinchwad, Pune, Maharashtra 411019.

Tel.: +91-20-27990301, 27990306 | Toll Free (India): 1800 120 5165

Email : sales@garwarefibres.com | Website : www.garwarefibres.com

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