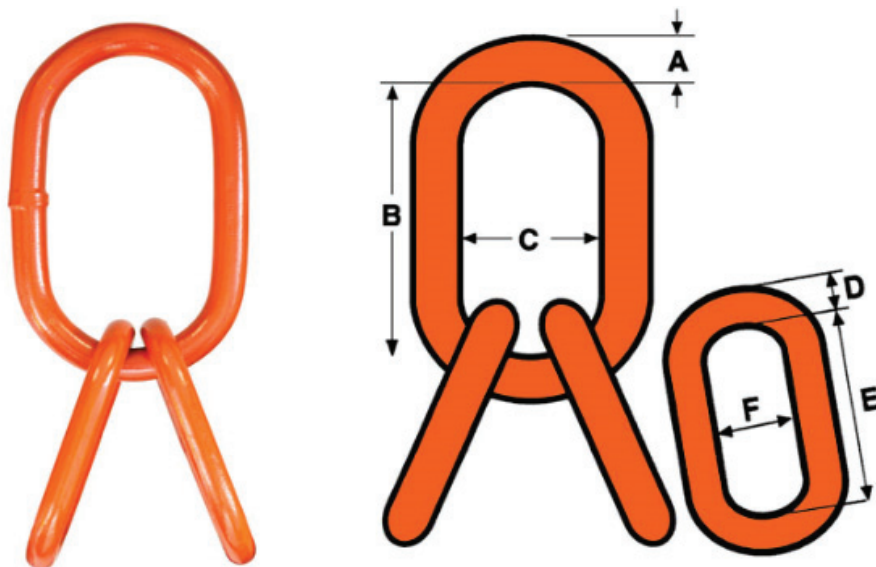


### DNV Master Links & Quad Assemblies – In accordance with DNV 2.7-1, EN 12079 & EN 1677-4

The HA range of master links and quad assemblies is the most complete range of links available today, in diameters from 16mm up to 120mm and working load limits up to 250 tonnes. The links are manufactured from triple alloy steel in accordance with EN1677, they are individually proof load tested to 2.5 times working load limit in accordance with EN1677 and they are all supplied with charpy impact values of in excess of 42J at -20C. The links are suitable for use in a temperature range of -40C up to 200C without reduction in working load limit.

The HA range of links are widely used in lifting sets for offshore containers and they are type approved to DNV 2.7-1 under approval number S-5678.



### DIMENSIONAL SPECIFICATIONS

Part Code	Description	A	B	C	D	E	F	WLL t	Mass Kg
350.160	HA16QA	16	150	75	13	90	50	4.1	1.3
350.220	HA22QA	22	162	90	20	140	70	8.83	3.6
350.230	HA23QA	22	270	140	16	150	75	5.8	3.8
350.250	HA25QA	25	270	140	20	140	70	8.83	5.3
350.260	HA26QA	28	270	140	20	140	70	11.8	5.9
350.280	HA28QA	28	200	110	22	140	70	14.5	5.5
350.320	HA32QA	32	270	140	26	185	90	17.1	9.7
350.360	HA36QA	36	270	140	28	190	100	23	11.9
350.400	HA40QA	40	280	155	32	200	110	28.1	16.4
350.450	HA45QA	45	320	175	36	225	125	38.3	23.5
350.500	HA50QA	50	350	195	40	260	130	45	32.3
350.600	HA60QA	60	430	230	50	350	195	65	63.9
350.700	HA70QA	70	480	260	60	410	220	85	102.6
350.900	HA90QA	90	500	300	70	400	200	150	164.0