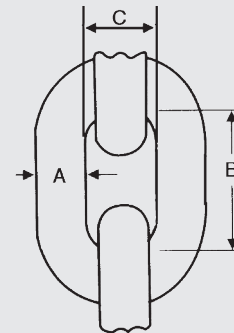


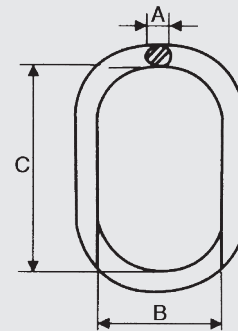
GRADE 100

ACCESSORIES

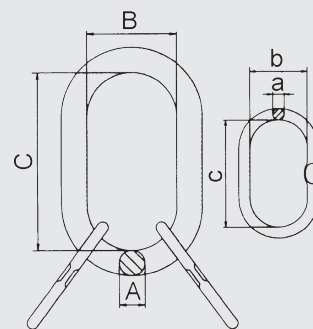
HIGH RESISTANCE CHAIN G.100						
CODE	SIZE (mm)	W.M.L. TON.	MAIN DIMENSIONS (mm)			NET WEIGHT (Kg)
			A	B	C	
PHC1100	6-10	1,40	6	18	8,50	0,80
PHC2100	8-10	2,50	8	24	11	1,40
PHC3100	10-10	4,00	10	30	14	2,20
PHC4100	13-10	6,70	13	39	18	3,70
PHC5100	16-10	10,00	16	48	22	5,70
PHC6100	20-10	16,00	19	57	26	7,80
PHC7100	22-10	19,00	22	66	28,6	11,90
PHC8100	26-10	26,50	26	78	33,8	16,30



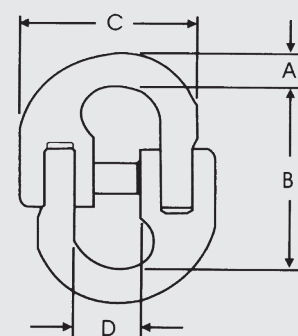
MASTER LINK G.100						
CODE	SIZE (mm)	W.M.L. TON.	MAIN DIMENSIONS (mm)			NET WEIGHT (Kg)
			A	B	C	
PHA1100	HA-130	2,30	13	60	110	0,30
PHA2100	HA-160	3,50	16	60	110	0,50
PHA3100	HA-180	5,00	18	75	135	0,80
PHA4100	HA-220	7,60	22	90	160	1,50
PHA5100	HA-260	10,00	26	100	180	2,46
PHA5110	HA-320	14,00	33	110	200	3,90
PHA6100	HA-360	25,10	36	140	264	6,40
PHA6110	HA-400	30,80	45	180	340	12,85
PHA7100	HA-500	40,00	50	190	355	17,20



TRIPLE MASTER LINK G.100									
CODE	SIZE (mm)	W.M.L. TON.	MAIN DIMENSIONS (mm)						NET WEIGHT (Kg)
			A	B	C	A	B	C	
PHAM1100	HA-106	3,00	19	75	135	14	24	54	1,30
PHAM2100	HA-108	5,30	23	90	160	16	34	74	2,20
PHAM3100	HA-110	8,00	27	100	176	18	40	85	3,50
PHAM4100	HA-113	14,00	33	110	202	22	50	115	6,10
PHAM5100	HA-116	21,20	36	139	260	28	60	145	10,60
PHAM6110	HA-120	33,60	50	195	355	32	85	180	24,00
PHAM7110	HA-122	33,90	50	190	350	36	100	180	26,00

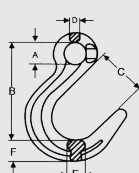
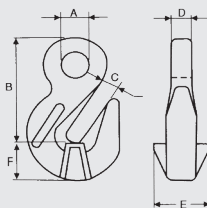
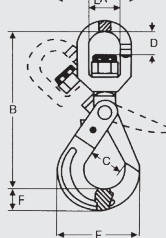
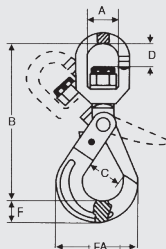
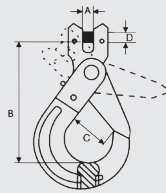
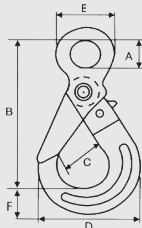
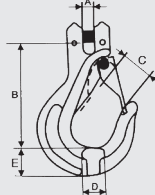
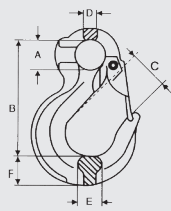


CONNECTING LINK G.100							
CODE	SIZE (mm)	W.M.L. TON.	MAIN DIMENSIONS (mm)				NET WEIGHT (Kg)
			A	B	C	D	
PHH1100	6-10	1,40	8	45	37	14	0,10
PHH2100	8-10	2,50	11	62	50	19	0,22
PHH3100	10-10	4,00	13	72	59	23	0,30
PHH4100	13-10	6,70	17	91	76	29	0,70
PHH5100	16-10	10,00	21	103	93	34	1,20
PHH6110	20-10	16,00	25	122	111	42	2,10
PHH7110	22-10	19,00	27	135	126	48	2,90
PHH8110	26-10	26,50	32	161	155	61	5,00
PHH9110	32-10	39,30	40	199	218	80	9,50



GRADE 100

ACCESSORIES



EYE SLING HOOK WITH LATCH G.100									
CODE	SIZE (mm)	W.M.L. TON.	MAIN DIMENSIONS (mm)						NET WEIGHT (Kg)
			A	B	C	D	E	F	
PG1100	6-10	1,40	20	79	21	10	17	22	0,30
PG2100	8-10	2,50	25	99	28	11	19	31	0,50
PG3100	10-10	4,00	34	120	31	17	25	36	1,10
PG4100	13-10	6,70	42	154	40	19	33	50	2,20
PG5100	16-10	10,00	50	180	46	24	40	55	3,60
PG6100	20-10	16,00	55	212	54	29	50	59	6,30
PG7100	22-10	19,00	60	268	66	29	50	62	11,50
PG8100	26-10	26,50	70	301	73	35	60	75	12,20

CLEVIS SLING HOOK WITH LATCH G.100									
CODE	SIZE (mm)	W.M.L. TON.	MAIN DIMENSIONS (mm)					NET WEIGHT (Kg)	
			A	B	C	D	E		
PGD1100	6-10	1,40	8	88	18,50	16	21	0,35	
PGD2100	8-10	2,50	10	106	25	17	28	0,70	
PGD3100	10-10	4,00	12	123	28	24	34	1,30	
PGD4100	13-10	6,70	15	161	38	30	42	2,30	
PGD5100	16-10	10,00	19	198	44	38	50	3,60	
PGD6100	20-10	16,00	25	240	52	48	56	7,00	

EYE SLING HOOK WITH LATCH G.100									
CODE	SIZE (mm)	W.M.L. TON.	MAIN DIMENSIONS (mm)						NET WEIGHT (Kg)
			A	B	C	D	E	F	
PGS1100	6-10	1,40	21	107	28	70	43	21	0,40
PGS2100	8-10	2,50	27	134	36	90	51	27	0,70
PGS3100	10-10	4,00	34	164	45	108	65	31	1,40
PGS4100	13-10	6,70	40	203	53	135	80	41	3,00
PGS5100	16-10	10,00	50	246	62	170	102	51	5,50
PGS6100	20-10	16,00	60	270	78	192	120	65	8,30
PGS7100	22-10	19,00	70	319	80	205	134	70	11,20

CLEVIS SELF LOCKING SAFETY HOOK G.100									
CODE	SIZE (mm)	W.M.L. TON.	MAIN DIMENSIONS (mm)				NET WEIGHT (Kg)		
			A	B	C	D			
PGSD1100	6-10	1,40	8	94	28	8	0,50		
PGSD2100	8-10	2,50	10	119	36	10	0,90		
PGSD3100	10-10	4,00	12	141	45	13,50	1,60		
PGSD4100	13-10	6,70	15	179	54	16,70	2,90		
PGSD5100	16-10	10,00	19	214	62	20,50	5,80		
PGSD6100	20-10	16,00	25	230	77	25	8,60		
PGSD7100	22-10	19,00	26	268	80	29,30	12,00		

SWIVEL SELF LOCKING SAFETY HOOK G.100									
CODE	SIZE (mm)	W.M.L. TON.	MAIN DIMENSIONS (mm)						NET WEIGHT (Kg)
			A	B	C	D	E	F	
PGSG1100	6-10	1,40	32	151	28	23	70	21	0,70
PGSG2100	8-10	2,50	36	184	35	30	90	27	1,10
PGSG3100	10-10	4,00	42	220	45	35	108	31	1,90
PGSG4100	13-10	6,70	50	265	53	40	135	41	3,60
PGSG5100	16-10	10,00	60	326	62	56	170	51	7,00
PGSG6100	20-10	16,00	72	364	78	62	192	65	10,80
PGSG7100	22-10	19,00	97	500	80	98	205	65	17,10

SWIVEL SELF LOCKING SAFETY HOOK WITH BEARING G.100									
CODE	SIZE (mm)	W.M.L. TON.	DIMENSIONS PRINCIPALES (mm)						NET WEIGHT (Kg)
			A	B	C	D	E	F	
PGSGR1100	6-10	1,40	37	163	27	32	70	22	0,67
PGSGR2100	8-10	2,50	41	202	36	39	90	27	1,21
PGSGR3100	10-10	4,00	48	244	45	48	108	30	2,20
PGSGR4100	13-10	6,70	55	292	53	57	138	42	4,40
PGSGR5100	16-10	10,00	62	346	62	62	170	53	7,50
PGSGR6100	20-10	16,00	76	396	76	72	191	62	13,75
PGSGR7100	22-10	19,00	97	465	79	97	208	68	18,80

EYE SHORTENING HOOK G.100									
CODE	SIZE (mm)	W.M.L. TON.	DIMENSIONS PRINCIPALES (mm)						POIDS NET (Kg)
			A	B	C	D	E	F	
PGA1100	6-10	1,40	15	46	8	9	22	17	0,10
PGA2100	8-10	2,50	18	60	10	11	31	21	0,30
PGA3100	10-10	4,00	22	84	13	31	41	30	0,60
PGA4100	13-10	6,70	28	103	16	17	54	42	1,50
PGA5100	16-10	10,00	36	116	18	19	74	46	2,30
PGA6100	20-10	16,00	43	145	23	27	77	56	4,60
PGA7100	22-10	19,00	48	165	27	34	81	64	8,20

EYE FOUNDRY HOOK G.100									
CODE	SIZE (mm)	W.M.L. TON.	DIMENSIONS PRINCIPALES (mm)						NET WEIGHT (Kg)
			A	B	C	D	E	F	
PGF1100	6-10	1,40	20	103	49	10	17	19	0,40
PGF2100	8-10	2,50	24	1420	62	12	19	28	0,72
PGF3100	10-10	4,00	32	154	73	15	25	31	1,25
PGF4100	13-10	6,70	44	184	90	19	33	40	2,32
PGF5100	16-10	10,00	49	216	105	22	37	42	3,50
PGF6100	20-10	16,00	60	235	110	26	46	61	6,50

WARNING: Only rotate the hook without a load

GRADE 100

MAXIMUM WORK LOADS IN TONNES

CHAIN Ø (MM.)	1 LEG	2 LEGS		3 LEGS	4 LEGS	ENDLESS SLING IN HANGING
	M.W.L.	0° < β ≤ 45° FACTOR 1,4	45° < β ≤ 60° FACTOR 1,0	0° < β ≤ 45° FACTOR 2,1	45° < β ≤ 60° FACTOR 1,5	FACTOR 1,6
6	140	2.00	140	3.00	210	2.24
8	2.50	3.50	2.50	5.30	3.80	4.00
10	4.00	5.60	4.00	8.00	6.00	6.40
13	6.70	9.40	6.70	14.00	10.00	10.70
16	10.00	14.00	10.00	21.00	15.00	16.00
20	16.00	22.40	16.00	33.60	24.00	25.60

NOTE: SAFETY FACTOR 4:1. THE MAXIMUM CAPACITY OF WORKLOADS IS REFERRED TO THE NORMAL WORKING CONDITIONS AND WITH LOAD UNIFORMLY DISTRIBUTED ON EACH LEG.



Recommendations for handling unbalanced loads

For chain slings with uneven loads maximum workload is recommended to be determined in the following way:

- 2 leg slings calculated as a 1-leg sling as to the M.W.L.
- 3 and 4 leg slings calculated as 2-leg slings as to the M.W.L.

Severe Conditions

The chain and its components should not be used in contact with acids.

Periodic reviews should be carried out when using slings under hard work, corrosion or may be some danger.

For any doubt contact your dealer.

Temperature influence

G100 chain slings can be used in temperatures of -40 °C without its features being changed.

For high temperatures the maximum workload should be reduced as follows:

SLING TEMPERATURE	REDUCTION IN THE M.W.L.
-40°C to 200°C	None
+200°C to 300°C	10%
+300°C to 400°C	25%

Chain Slings G-100 should not be used at higher temperatures or lower than those indicated.

GRADE 100

ACCESSORIES



Care & Maintenance



Maintenance

At least once a year at regular intervals, periodic inspection should be done, based on the application conditions. The following points should be taken into account.

- Chains with deformed links, with fractures or cracks should be removed along with any accessory deformed master rings, open hooks and other components showing signs of wear.
- Wear on the chain and the components should not exceed 10% of the original dimensions. Wearing of chain link shall be maximum 10%, it is defined as the reduction of the material diameter measured in both directions.
- Overloaded chain slings should be withdrawn from use; the maximum permitted chain lengthening is 5% and the maximum increase allowed in the hook opening is 10%. Beyond these points, they should be withdrawn from use.

Care

- Keep a record of all slings in use.
- Make sure that the chain is free, ie it has no knots or twists.
- The chain slings can only be shortened using a shortening hook.
- If the load has sharp edges, protect it appropriately.
- Centre the load on the hook, never load on the hook tip.
- Always use the right sized sling for the corresponding load, do take into account the angle and possibility of an unequal load.
- The main ring should move freely in the crane hook.
- Always avoid tugging when raising loads.
- Never let the load fall on the chain.



GRADE 100

ONE LEG CHAIN SLINGS



TYPE **SOS**

TYPE **SAS**

TYPE **SOL**



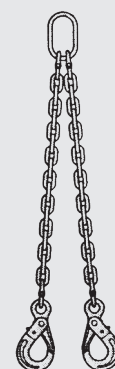
TYPE **SAL**

TYPE **CO**

TYPE **CAO**

GRADE 100

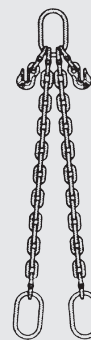
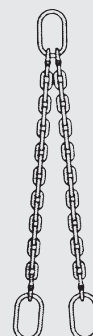
TWO LEG CHAIN SLINGS



TYPE **DOS**

TYPE **DAS**

TYPE **DOL**



TYPE **DAL**

TYPE **DOO**

TYPE **DAO**

GRADE 100

THREE LEG CHAIN SLINGS



TYPE **TOS**

TYPE **TAS**

TYPE **TOL**



TYPE **TAL**

TYPE **TOO**

TYPE **TAO**

GRADE 100

FOUR LEG CHAIN SLINGS



TYPE **QOS**

TYPE **QAS**

TYPE **QOL**

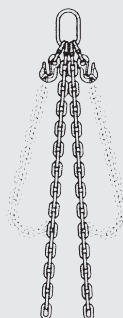


TYPE **QAL**

TYPE **QOO**

GRADE 100

DIFFERENT CHAIN SLINGS



TYPE
GARZA RECOGIBLE


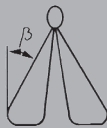
TYPE
SENCILLO DE CESTO

TYPE
DOBLE LAZO AJUSTABLE

TYPE
DOBLE CANASTA

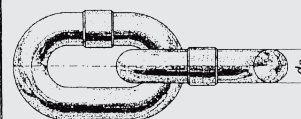
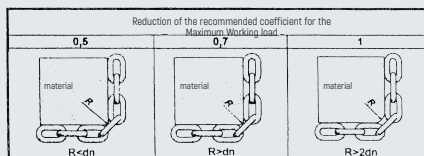
GRADE 100

MAXIMUM WORK LOADS IN TONNES

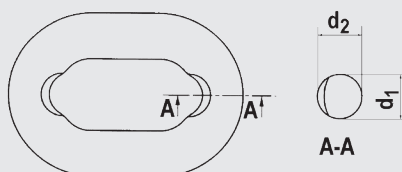
CHAIN Ø (MM.)	W.M.L.				
		0° < β ≤ 45° FACTOR 1,1	45° < β ≤ 60° FACTOR 0,8	0° < β ≤ 45° FACTOR 1,7	45° < β ≤ 60° FACTOR 1,2
6	1.40	1.60	1.20	2.40	1.70
8	2.50	2.80	2.00	4.30	3.00
10	4.00	4.40	3.20	6.80	4.80
13	6.70	7.40	5.40	11.40	8.00
16	10.00	11.00	8.00	17.00	12.00
20	16.00	17.60	12.80	27.20	19.20

NOTE: SAFETY FACTOR 4:1. THE MAXIMUM CAPACITY OF WORKLOADS IS REFERRED TO THE NORMAL WORKING CONDITIONS AND WITH LOAD UNIFORMLY DISTRIBUTED ON EACH LEG.

COEFFICIENT
REDUCTION DUE
TO SHARP EDGES



CHAIN REPLACEMENTS



At least once a year and at regular intervals periodic inspection must be carried out under the application condition.

Wear caused by friction with other objects usually occurs on the outside of the straight portions of the links, where it is easily visible and measurable. Wear between adjacent links is hidden.

The chain should be loosened and turn the adjacent links, so both sides are visible inside the links. Wear between links is measured by taking the indicated diameter (d 1) and the diameter at 90 ° (d2), and it is accepted if the average of these diameters is not less than 90% of the nominal diameter (dn).