



*Designed for
general cargo
handling in the
Stevedoring
industry.*

Versatile Clamps with Profiled, Tapered Forks for Knifing Between Loads

APPLICATIONS

Special fork clamps designed to meet the high demands of Stevedoring applications. Feature profiled, toe-in forks for knifing between loads and clamping various sizes of crates and bales.

FEATURES

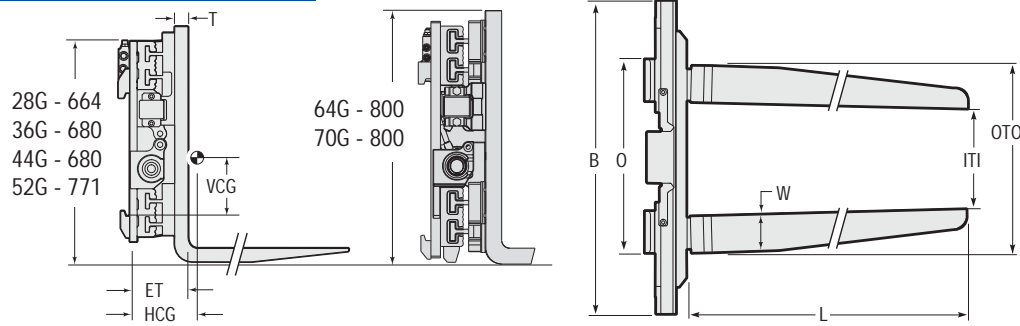
- Alloy steel frame construction with replaceable extruded steel profiles
- Full length one-piece replaceable UHMW bearings.
- Protected but accessible valve location behind the frame
- Hydraulic valve with cartridge check valves secures the load.
- All clamp/sideshift hydraulic functions fully protected with bidirectional relief valves.
- Valve is service friendly and includes pressure test gauge ports.
- Built-in hydraulic flow divider (as standard) guarantees equal arm movement (no need for restrictors fitting adjustment)
- Excellent driver visibility over and through the frame.
- Modular clamp construction allows easy replacement parts and repairs.
- Cascade Clamps are reliable, durable and require low maintenance.

OPTIONS

- Special frame widths, opening ranges and fork lengths.
- High (190 bar) and Low pressure (155 bar) hydraulics systems.
- Basic, sideshifting and revolving (360°) models.
- Independent arm control.
- Regeneration valve (faster opening speed for low flow electric trucks). For electric trucks or those with low flow hydraulics (under 20 L/min)
- External sideshifting mounting. (200 mm restricted sideshift movement)



HARBOUR CLAMPS



Catalogue Order No.	Capacity @ Load Centre	Frame width (mm) B	Opening Range (mm)		Fork Size (mm) LxWxT	Minimum Truck Carriage Width (mm) O	Effective thickness (mm) ET	Horizontal Centre of Gravity (mm) HCG	Vertical Centre of Gravity (mm)	Weight (kg)	Mounting Class
	on forks/as on clamp kg / kg		ITI	OTO							
28G-HCS-A224 ①	1900/1400	950	260-1380	570-1690	1150x125x40	835	175	186	-	308	2A
28G-HCS-A314 ①	1900/1400	1050	160-1280	470-1590	1150x125x40	835	183	314	-	308	2A
28G-HCS-A324 ①	1900/1400	1050	260-1480	570-1790	1150x125x40	835	182	319	-	308	2A
28G-HCS-A334	1900/1400	1050	355-1670	665-1980	1150x125x40	835	180	323	-	308	2A
36G-HCS-A224 ①	2200/1800	950	260-1400	560-1700	1150x125x40	835	186	182	-	338	2A
36G-HCS-A314 ①	2200/1800	1050	160-1300	460-1600	1150x125x40	835	179	345	-	338	2A
36G-HCS-A324 ①	2200/1800	1050	260-1500	560-1800	1150x125x40	835	178	350	-	338	2A
36G-HCS-A514 ①	2200/1800	1150	190-1455	490-1755	1150x125x40	835	175	358	-	338	2A
36G-HCS-A524 ①	2200/1800	1150	260-1600	560-1900	1150x125x40	835	174	363	-	338	2A
36G-HCS-A534	2200/1800	1150	360-1800	660-2100	1150x125x40	835	173	368	-	338	2A
36G-HCS-A724 ①	2200/1800	1250	260-1700	560-2000	1150x125x40	835	170	376	-	338	2A
36G-HCS-A744	2200/1800	1250	460-2100	760-2400	1150x125x40	835	168	387	-	338	2A
44G-HCS-A224 ①	2600/2200	950	260-1405	565-1710	1150x125x45	835	195	192	-	359	2A ②
44G-HCS-A314 ①	2600/2200	1050	160-1305	465-1610	1150x125x45	835	189	366	-	359	2A ②
44G-HCS-A324 ①	2600/2200	1050	260-1490	565-1795	1150x125x45	835	188	372	-	359	2A ②
44G-HCS-A514 ①	2600/2200	1150	190-1465	495-1770	1150x125x45	835	185	380	-	359	2A ②
44G-HCS-A524 ①	2600/2200	1150	260-1605	565-1910	1150x125x45	835	184	385	-	359	2A ②
44G-HCS-A534	2600/2200	1150	360-1805	665-2110	1150x125x45	835	182	391	-	359	2A ②
44G-HCS-A724 ①	2600/2200	1250	260-1695	565-2000	1150x125x45	835	180	398	-	359	2A ②
44G-HCS-A744	2600/2200	1250	400-1980	705-2285	1150x125x45	835	178	406	-	359	2A ②
52G-HCS-B324 ①	3200/2600	1050	260-1470	555-1765	1150x125x50	925	218	187	238	465	3A
52G-HCS-B514 ①	3200/2600	1150	155-1360	450-1655	1150x125x50	925	185	474	240	465	3A
52G-HCS-B524 ①	3200/2600	1150	260-1570	555-1865	1150x125x50	925	183	482	240	465	3A
52G-HCS-B534	3200/2600	1150	355-1755	650-2050	1150x125x50	925	182	489	241	465	3A
52G-HCS-B724 ①	3200/2600	1250	260-1665	555-1960	1150x125x50	925	180	498	242	465	3A
52G-HCS-B744	3200/2600	1250	455-2055	750-2350	1150x125x50	925	178	513	244	465	3A
52G-HCS-B924 ①	3200/2600	1350	260-1765	555-2060	1150x125x50	925	177	514	244	465	3A
52G-HCS-B944	3200/2600	1350	555-2300	850-2595	1150x125x50	925	174	536	247	465	3A
64G-HCS-B514 ①	3600/3200	1150	250-1425	545-1765	1150x150x50	810	221	181	271	587	3A
64G-HCS-B524	3600/3200	1150	320-1590	660-1930	1150x150x50	810	221	180	271	592	3A
64G-HCS-B534	3600/3200	1150	450-1840	790-2180	1150x150x50	810	221	179	272	601	3A
64G-HCS-B714 ①	3600/3200	1250	205-1525	545-1865	1150x150x50	810	221	179	271	607	3A
64G-HCS-B724	3600/3200	1250	350-1770	690-2110	1150x150x50	810	221	176	274	613	3A
64G-HCS-B734	3600/3200	1250	555-1960	895-2300	1150x150x50	810	221	176	273	630	3A
64G-HCS-B914 ①	3600/3200	1350	250-1625	545-1965	1150x150x50	810	221	176	273	625	3A
64G-HCS-B934	3600/3200	1350	450-2070	790-2410	1150x150x50	810	221	172	276	639	3A
64G-HCS-BA24	3600/3200	1450	350-1970	690-2310	1150x150x50	810	221	170	277	651	3A
70G-HCS-B514 ①	4200/3500	1150	205/1425	545/1765	1150x150x50	811	231	187	272	610	3A
70G-HCS-B524	4200/3500	1150	320/1590	660/1930	1150x150x50	811	231	186	273	618	3A
70G-HCS-B714 ①	4200/3500	1250	205/1525	545/1865	1150x150x50	811	231	184	274	629	3A
70G-HCS-B724	4200/3500	1250	350/1770	690/2110	1150x150x50	811	231	183	275	641	3A
70G-HCS-B734	4200/3500	1250	555/1960	895/2300	1150x150x50	811	231	181	276	654	3A
70G-HCS-B914 ①	4200/3500	1350	205/1625	545/1965	1150x150x50	811	231	181	276	650	3A
70G-HCS-B934	4200/3500	1350	450/2070	790/2410	1150x150x50	811	231	179	277	669	3A
70G-HCS-BA24	4200/3500	1450	350/1970	690/2310	1150x150x50	811	231	177	278	681	3A

① Harbour clamps suitable for EURO-pallets.

② 44G : Mounting Class 3A available.

▶ Non-Sideshifting models available.

▶ Standard open and close on RH, sideshift connection on LH of valve. Cascade can supply open and close on LH and SS on RH side of valve.

▶ Lift trucks with auxiliary pressures between 155 and 189 bar max. require low pressure attachments. Lift trucks with auxiliary pressures between 190 and 250 bar max. require high pressure attachments.

▶ For trucks with Class 2B mounting the attachment will be configured with a 2A mounting and drop shank forks.