



## Optimized Handling of Bales for the Recycling Industry

*For faster, safer  
and more  
precise handling.*

### APPLICATIONS

A special bale clamp designed with a wear strip at the bottom of the arm for sweeping and a protected valve to endure any harsh recycling environment.

### FEATURES

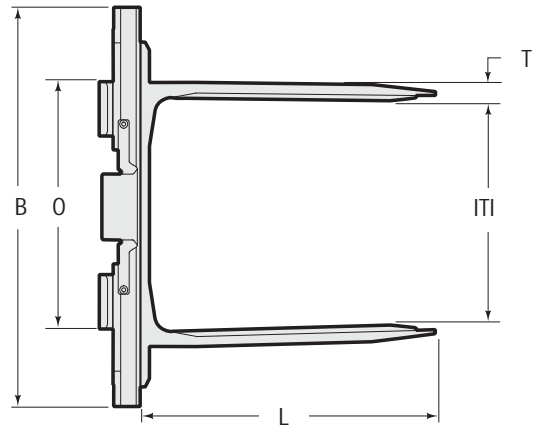
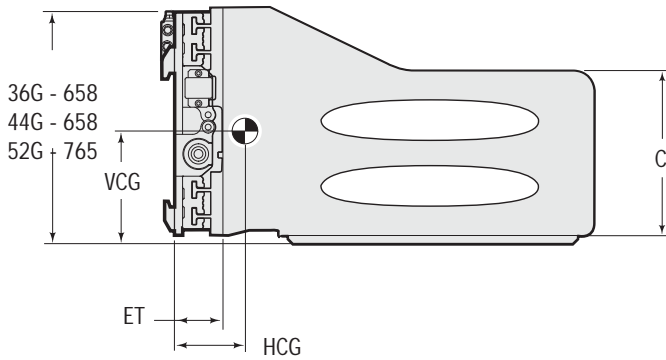
- Full length one-piece replaceable UHMW bearings.
- Pressure Protected hydraulic functions.
- Protected but accessible valve location behind the frame
- Replaceable wear strips.
- Maximum visibility through and around the frame.
- Profiled arms allow knifing between tightly stacked bales.
- Steel frame sections, extruded alloy steel arm bars, cast arm bases guarantee outstanding durability.
- Bolt-on lower frame wear strips.

### OPTIONS

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



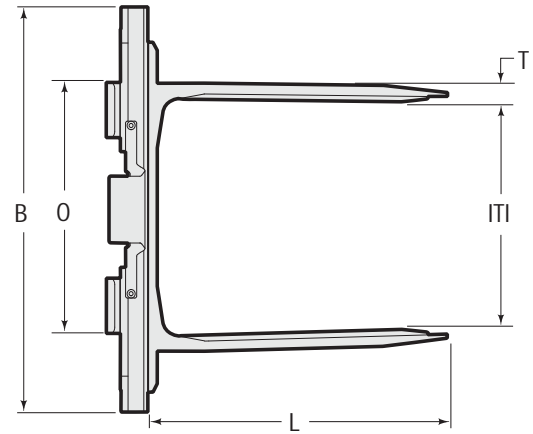
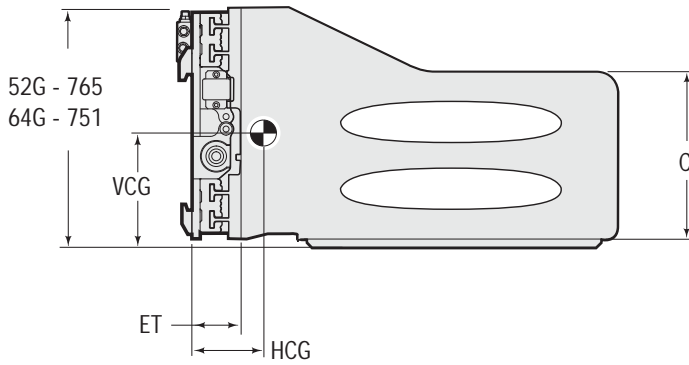
# RECYCLING CLAMPS



Catalogue Order No.	Capacity @ Load Centre kg@mm	Frame Width (mm) B	Opening Range (mm) ITI	Arm Length (mm) L	Arm Height (mm) C	Arm Thickness (mm) T	Min. Truck Carriage Width (mm) O	Effective Thickness (mm) ET	Horizontal Centre of Gravity (mm) HCG	Vertical Centre of Gravity (mm) VCG	Weight kg	Mounting Class ISO 2328
36G-WCS-A213	1800@500	950	440-1580	1000	470	60	835	123	280	229	416	2A
36G-WCS-A214	1800@500	950	415-1555	1200	470	72	835	123	349	223	461	2A
36G-WCS-A223	1800@500	950	530-1755	1000	470	60	835	123	278	230	421	2A
36G-WCS-A224	1800@500	950	500-1730	1200	470	73	835	123	347	224	465	2A
36G-WCS-A313	1800@500	1050	440-1680	1000	470	59	835	123	273	230	430	2A
36G-WCS-A314	1800@500	1050	415-1655	1200	470	72	835	123	341	224	474	2A
36G-WCS-A323	1800@500	1050	570-1915	1000	470	60	835	123	270	230	436	2A
36G-WCS-A324	1800@500	1050	540-1890	1200	470	73	835	123	337	224	481	2A
36G-WCS-A513	1800@500	1150	470-1820	1000	470	59	835	123	267	230	443	2A
36G-WCS-A514	1800@500	1150	445-1790	1200	470	72	835	123	333	224	488	2A
36G-WCS-A523	1800@500	1150	560-2009	1000	470	60	835	123	264	230	449	2A
36G-WCS-A524	1800@500	1150	535-1985	1200	470	73	835	123	330	225	494	2A
36G-WCS-A713	1800@500	1250	445-1890	1000	470	59	835	123	261	230	456	2A
36G-WCS-A714	1800@500	1250	420-1865	1200	470	72	835	123	326	225	500	2A
36G-WCS-A723	1800@500	1250	590-2115	1000	470	60	835	123	258	231	465	2A
36G-WCS-A724	1800@500	1250	565-2090	1200	470	73	835	123	323	225	509	2A
44G-WCS-A213	2200@500	950	440-1580	1000	470	63	835	130	286	230	451	2A
44G-WCS-A214	2200@500	950	415-1555	1200	470	74	835	130	356	224	502	2A
44G-WCS-A223	2200@500	950	535-1775	1000	470	63	835	130	283	230	458	2A
44G-WCS-A224	2200@500	950	510-1750	1200	470	74	835	130	352	224	509	2A
44G-WCS-A313	2200@500	1050	440-1680	1000	470	63	835	130	279	230	465	2A
44G-WCS-A314	2200@500	1050	420-1660	1200	470	74	835	130	348	225	515	2A
44G-WCS-A323	2200@500	1050	565-1930	1000	470	63	835	130	276	231	473	2A
44G-WCS-A324	2200@500	1050	540-1905	1200	470	74	835	130	344	225	523	2A
44G-WCS-A513	2200@500	1150	465-1825	1000	470	63	835	130	273	231	480	2A
44G-WCS-A514	2200@500	1150	440-1800	1200	470	74	835	130	340	225	531	2A
44G-WCS-A523	2200@500	1150	555-2005	1000	470	63	835	130	270	231	486	2A
44G-WCS-A524	2200@500	1150	530-1980	1200	470	74	835	130	337	225	536	2A
44G-WCS-A713	2200@500	1250	440-1885	1000	470	63	835	130	267	231	492	2A
44G-WCS-A714	2200@500	1250	415-1855	1200	470	74	835	130	334	225	543	2A
44G-WCS-A723	2200@500	1250	590-2180	1000	470	63	835	130	264	236	503	2A
44G-WCS-A724	2200@500	1250	565-2155	1200	470	74	835	130	329	226	553	2A
44G-WCS-A733	2200@500	1250	645-2295	1000	470	63	835	130	262	232	506	2A
44G-WCS-A734	2200@500	1250	620-2270	1200	470	74	835	130	328	226	557	2A

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

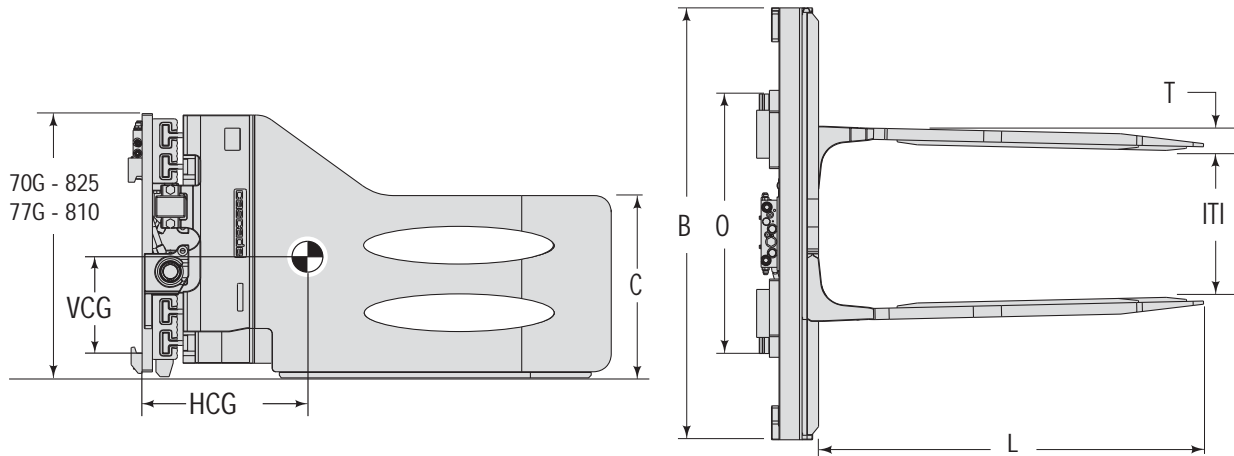
► Standard open and close on RH, sideshift connection on LH of valve. Cascade can supply open and close on LH and SS on RH side of valve.



Catalogue Order No.	Capacity @ Load Centre kg@mm	Frame Width (mm) B	Opening Range (mm) ITI	Arm Length (mm) L	Arm Height (mm) C	Arm Thickness (mm) T	Minimum Truck Carriage Width (mm) O	Effective Thickness (mm) ET	Horizontal Centre of Gravity (mm) HCG	Vertical Centre of Gravity (mm) VCG	Weight kg	Mounting Class ISO 2328
52G-WCS-B313	2600@500	1050	440-1655	1000	500	62	924	146	271	270	564	3A
52G-WCS-B314	2600@500	1050	420-1635	1200	500	72	924	146	337	262	623	3A
52G-WCS-B323	2600@500	1050	580-1940	1000	500	62	924	146	267	271	577	3A
52G-WCS-B324	2600@500	1050	560-1920	1200	500	72	924	146	332	263	635	3A
52G-WCS-B523	2600@500	1150	550-1980	1000	500	62	924	146	262	271	590	3A
52G-WCS-B524	2600@500	1150	530-1960	1200	500	72	924	146	327	263	649	3A
52G-WCS-B713	2600@500	1250	460-1900	1000	500	62	924	146	259	271	599	3A
52G-WCS-B714	2600@500	1250	440-1880	1200	500	72	924	146	323	264	658	3A
52G-WCS-B733	2600@500	1250	660-2300	1000	500	62	924	146	255	272	616	3A
52G-WCS-B734	2600@500	1250	640-2280	1200	500	72	924	146	317	265	675	3A
52G-WCS-B823	2600@500	1300	560-2150	1000	500	62	924	146	255	272	616	3A
52G-WCS-B824	2600@500	1300	535-2120	1200	500	72	924	146	317	265	674	3A
52G-WCS-B033	2600@500	1400	660-2455	1000	500	62	924	146	248	273	641	3A
52G-WCS-B034	2600@500	1400	640-2435	1200	500	72	924	146	309	265	700	3A
64G-WCS-B523	3200@500	1150	560-1950	1000	550	68	810	154	259	293	707	3A
64G-WCS-B524	2700@600	1150	540-1930	1200	550	78	810	154	320	285	770	3A
64G-WCS-B526	2300@700	1150	530-1920	1400	550	81	810	154	380	280	815	3A
64G-WCS-B714	2700@600	1250	440-1830	1200	550	78	810	154	317	285	779	3A
64G-WCS-B716	2300@700	1250	430-1820	1400	550	81	810	154	376	279	824	3A
64G-WCS-B914	2700@600	1350	460-1970	1200	550	78	810	154	310	285	802	3A
64G-WCS-B916	2300@700	1350	450-1960	1400	550	81	810	154	368	280	847	3A
64G-WCS-B924	2700@600	1350	540-2130	1200	550	78	810	154	307	286	812	3A
64G-WCS-B926	2300@700	1350	530-2120	1400	550	81	810	154	365	281	858	3A
64G-WCS-BA14	2700@600	1450	440-2030	1200	550	78	810	154	304	285	821	3A
64G-WCS-BA16	2300@700	1450	430-2020	1400	550	81	810	154	361	280	867	3A
64G-WCS-BA34	2700@600	1450	640-2320	1200	550	78	810	154	300	287	840	3A
64G-WCS-BA36	2300@700	1450	630-2310	1400	550	81	810	154	356	281	885	3A

► 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 maximum require high pressure attachments.

► 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.



Catalogue Order No.	Capacity @ Load Centre kg@mm	Frame Width (mm) B	Opening Range (mm) ITI	Arm Length (mm) L	Arm Height (mm) C	Arm Thickness (mm) T	Minimum Truck Carriage Width (mm) O	Effective Thickness (mm) ET	Horizontal Centre of Gravity (mm) HCG	Vertical Centre of Gravity (mm) VCG	Weight kg	Mounting Class ISO 2328
70G-WCS-B523	3500@500	1150	560-1950	1000	550	68	810	163	266	319	764	3A
70G-WCS-B524	3000@600	1150	540-1930	1200	550	78	810	163	331	310	829	3A
70G-WCS-B526	2500@700	1150	530-1920	1400	550	81	810	163	390	303	878	3A
70G-WCS-B714	3000@600	1250	440-1830	1200	550	78	810	163	328	309	838	3A
70G-WCS-B716	2500@700	1250	430-1820	1400	550	81	810	163	386	303	887	3A
70G-WCS-B914	3000@600	1350	460-1970	1200	550	78	810	163	321	310	862	3A
70G-WCS-B916	2500@700	1350	450-1960	1400	550	81	810	163	379	304	911	3A
70G-WCS-B924	3000@600	1350	540-2130	1200	550	78	810	163	318	311	873	3A
70G-WCS-B926	2500@700	1350	530-2120	1400	550	81	810	163	375	305	922	3A
70G-WCS-BA14	3000@600	1450	440-2030	1200	550	78	810	163	316	310	882	3A
70G-WCS-BA16	2500@700	1450	430-2020	1400	550	81	810	163	372	304	931	3A
70G-WCS-BA34	3000@600	1450	640-2430	1200	550	78	810	163	311	311	904	3A
70G-WCS-BA36	2500@700	1450	630-2420	1400	550	81	810	163	366	306	953	3A
77G-WCS-B724	3500@600	1250	540-2030	1200	550	68	910	163	328	310	853	3A
77G-WCS-B726	3000@700	1250	520-2010	1400	550	78	910	163	387	304	902	3A
77G-WCS-B728	2625@800	1250	510-2000	1600	550	81	910	163	450	298	951	3A
77G-WCS-BA14	3500@600	1450	390-1925	1200	550	78	910	163	320	310	878	3A
77G-WCS-BA16	3000@700	1450	370-1860	1400	550	81	910	163	378	304	925	3A
77G-WCS-BA18	2625@800	1450	360-1850	1600	550	78	910	163	440	298	975	3A
77G-WCS-BG24	3500@600	1750	545-2380	1200	550	81	910	163	301	312	959	3A
77G-WCS-BG26	3000@700	1750	524-2360	1400	550	78	910	163	355	306	1008	3A
77G-WCS-BG28	2625@800	1750	505-2340	1600	550	81	910	163	413	301	1057	3A

▶ G-Series : 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 maximum require high pressure attachments.

▶ 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.

## HYDRAULIC FUNCTIONS

Model	Hydraulic Functions	Truck Auxiliary Valves Required
Non-Sideshifting Models	1	1
Sideshifting Catalogue Models	2	2
Revolving Catalogue Models	2	2

## HYDRAULIC FLOW & PRESSURE

Catalogue Order No.	Min. Flow L/min.	Rec. Flow L/min.	Max. Flow L/min.	Maximum Pressure (bar)
36G-77G Sideshifting & Non-Sideshifting Function	19	26	38	250 bar
36G-77G Rotator Function	19	38	57	160 bar

## ROTATOR SPECIFICATIONS

Model	Speed @ L/min.	Torque
36G,44G,52G	5.2 RPM @ 57	8490 Nm @ 140 bar

▶ Optional motors providing faster rotation available. Reduced torque will result.