

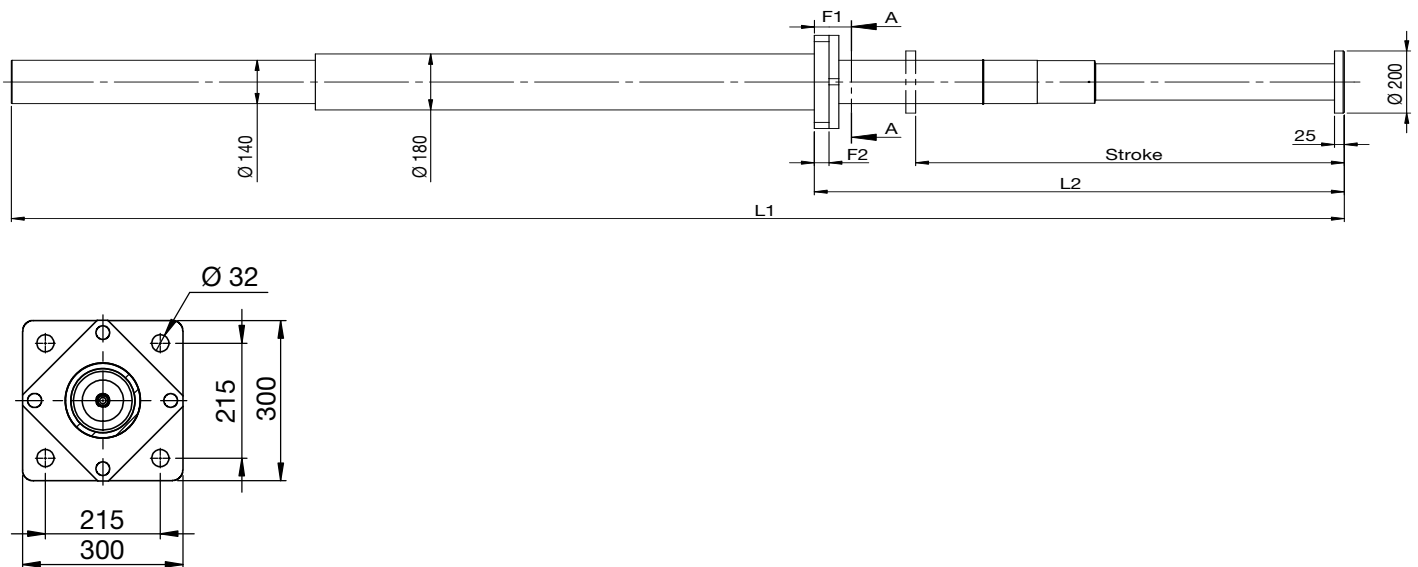
HYBUFF G-220 – GAS HYDRAULIC ENERGY ABSORBERS WITH FRONT OR BACK MOUNTING

HYBUFF

G-SERIES

The HYBUFF G-series is developed for applications where an energy stop device is needed. The robust design gives good stiffness, suitable for higher forces. The buffer has a cylinder with oil and hollow piston rod containing the reservoir. The hollow rod contains

a floating piston, separating oil and gas. The damping force is achieved by a flow restriction regulated by the metering pin. The metering pin at the centre of the buffer regulates the flow area to be more restricted when the damper is being compressed. We are used to demanding customers so our HYBUFF G-series is supplied with adapted corrosion protection, either for industrial or marine environment.



MOUNTING TYPE

DD Denomination	Stroke mm	Max Force kN	Max energy Capacity kJ	L1 mm	L2 mm	Cyl Ø mm	Mounting plate mm	Weight kg
G-220-800	800	700	450	2392	930	140/180	270/210	124
G-220-1000	1000	700	560	3220	1130	140/180	270/210	153
G-220-1200	1200	700	670	3420	1360	140/180	270/210	158

F1 mm	F2 mm	M1 mm	M2 mm	Ø mm
63	38	300	215	26

More specifications →

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Max ton	800	1000	1200
4	24001	25001	26001
7,5	24002	25002	26002
10	24003	25003	26003
20	24004	25004	26004
30	24005	25005	26005
40	24006	25006	26006
80	24007	25007	26007
100	24008	25008	26008
150	24009	25009	26009
200	24010	25010	26010
300	24011	25011	26011
400	24012	25012	26012
500	24013	25013	26013
600	24014	25014	26014
700	24015	25015	26015
800	24016	25016	26016
900	24017	25017	26017
1000	24018	25018	26018
1500	24019	25019	26019
2000	24020	25020	26020

Metering Pin Denomination System Position		
1:st digit	G-Series. E.g. G-220	2
2:nd-3:rd	Stroke length. E.g. 800 mm	40
4:th-5:th	Reference No. In the mass table. E.g. 80 tonnes	07
= Gives Pin No. 24007		

Bellow & Safety chain/wire denomination system	
Buffer with bellow	B
Buffer with safety wire	K
Buffer with safety wire & bellow	BK

STANDARD FOR HYBUFF G-SERIES:

- Paint, tested and passed 500 h NSS test (suitable for portside environment)
- Nickel plated
- End cap in stainless steel
- Temperature range -30°C to +70°C

ORDERING EXAMPLE

Buffer G-220, stroke 800 mm, Front mount, 100 tons metering pin, with bellow.

Type Number: [G-220-800F/24008B](#)

Buffer G-220, stroke 800 mm, Back mount, 200 tons metering pin, with bellow & safety wire.

Type Number: [G-220-800B/24010BK](#)

OPTIONAL FOR HYBUFF G-SERIES:

- Other stroke lengths upon request
- Buffers up to 1500 kN are available upon request
- Safety wire and bellows are optional
- Paint according to ISO EN 12944 C5M

We are certified according to ISO 9001, IRIS, ISO 14001 and welding certificate EN-15085.

(IRIS stands for International Railway Industry Standard. It is a globally recognized standard unique to the railway sector for the evaluation of management systems.)