



# ERD H

## Hydraulic Amplified Electrically Released Brake



***Parking and  
stopping brake -  
torque proportional  
to load weight***

The Electro-Release Hydraulic Amplified (ERDH) brake is a performance enhanced ERD failsafe brake. A hydraulic piston is integrated in the shell of the mast cylinder. The hydraulic force applied is proportional to the load on the fork. The spring force is defined for the truck unloaded and at full speed. By combining spring force and hydraulic force, you reach the optimal torque required for the specified deceleration rate and stopping distance. The torque applied increases as the weight of the load increases.

The ERDH is particularly suitable for ride-on trucks with high load capacity such as order pickers and pallet trucks.

### Forklift Applications

- Ride on Pallet Truck
- Low Level Order Picker

Warner Electric/Matrix International is a world leader in the design and manufacture of hydraulic, pneumatic and electromagnetic brakes and clutches for battery powered vehicles. We offer a full range of traction motor and load wheel brakes and specialize in customized solutions to meet your specific performance and installation requirements. We have over 60 years of experience delivering high technology, cost effective braking systems. We offer production, engineering and application support from our facilities in Europe, the U.S. and China. Contact us today to discuss how our dedicated engineers can assist you.

- Torque capacities 20 to 100 Nm
- Actuated by spring pressure and hydraulic pressure proportional to the load
- For dry use
- For vertical and horizontal use
- Thick plate available
- Wear adjustment
- Adjusting torque by springs
- Complete range of adaptable hydraulic booster

For Technical Assistance Call

**800-825-9050**

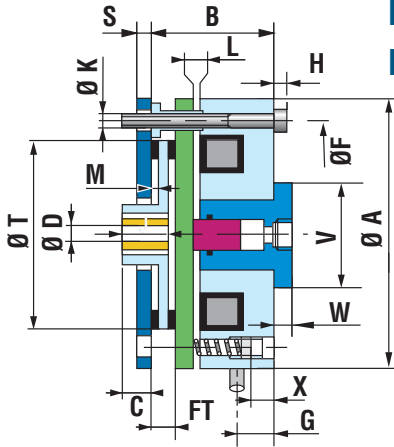


An Altra Industrial Motion Company



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Size	020	035	060	100
Max. combined torque [Nm]	20	35	60	100
Spring torque [Nm]	To be defined with the customer			
Hydraulic torque [Nm]	To be defined with the customer			
Max. speed [min <sup>-1</sup> ]	3600			
Nom. current at 20 °C A [24 VDC ±30%]	1,22	1,61	1,94	2,35
A [mm]	127	147	162	188
B [mm]	47,5	54,5	64	71
C [mm]	14,2	17	21	21
D [mm]	15/20/22	20/24/25	25/30	25/30/35
F [mm]	112	132	145	170
FT [mm]	9,8	11	12	12
G [mm]	15,5	19,7	19	22
H [mm]	8	8	10	10
K [mm]	3 x M6	3 x M6	3 x M8	3 x M8
L nominal [mm]	0,4	0,4	0,5	0,6
M [mm]	4	3	3	3
S Thick flange [mm]	9	9	11	11
S Inter. flange [mm]	4	5	5	6
T [mm]	96	116	125	150
V On flat [mm]	50	50	50	50
W [mm]	11	11	7	7
Inertia (Metal only) [kgcm <sup>2</sup> ]	2,8	7,4	21,7	36,5
Weight [kg]	3,65	5,25	7,05	10,7
Max. hydraulic pressure [bar]	160			
Ambient temperature [°C]	-20 / +60			



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