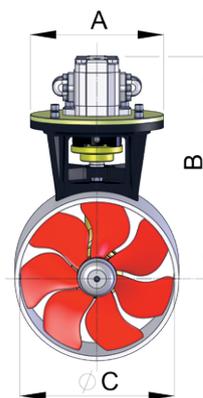




Hydraulic bow and stern thrusters

Type BOW...HMD

Specifications	BOW55HMD	BOW95HMD	BOW160HMD	BOW230HMD	BOW310HMD
Thrust N (kgf) (power output)	550 (55)	950 (95)	1600 (160)	2300 (230)	3100 (310)
Hydraulic motor power kW	3,5	6,0	9,5	12,5	20
Hydraulic motor speed rpm	3000	4100	3300	1900	2000
Hydraulic motor capacity cm ³ /rev	4,2	4,2	7	16,8	26,4
Flow rate l/min	13	18	28	40	70
Operating pressure bar	165	230	250	230	225
Internal tunnel diameter mm	150	185	250	300	300
A mm Ø	160	200	240	258	258
B mm	258	276	345	431	455
C mm Ø	150	185	250	300	300
Connection kit*	HT3057	HT3057	HT3056	HT3061	HT3058



* The connection kit consists of couplings required for the correct size hydraulic hoses.

Type	Specifications	Tunnel diam. (mm)
BOW55HMD	Hydraulic bow thruster 55 kgf incl. hydraulic motor 3,5 kW	150
BOW95HMD	Hydraulic bow thruster 95 kgf incl. hydraulic motor 6,0 kW	185
BOW160HMD	Hydraulic bow thruster 160 kgf incl. hydraulic motor 12,3 kW	250
BOW230HMD	Hydraulic bow thruster 230 kgf incl. hydraulic motor 16,4 kW	300
BOW310HMD	Hydraulic bow thruster 310 kgf incl. hydraulic motor 26,8 kW	300
BP1053	Bronze propeller for BOW22024D / BOW230HM	
BP1182	Bronze propeller for BOW310HM	

Type BOWH410 - BOWH550

Type	Specifications
BOWH410	Hydraulic bow thruster 410 kgf, incl. hydro motor 29,5 kW, for tunnel diam. 400 mm
BOWH550	Hydraulic bow thruster 550 kgf, incl. hydro motor 39 kW, for tunnel diam. 400 mm
BP1259	Bronze propeller for BOWH410
BP1260	Bronze propeller for BOWH550

Specifications	BOWH410	BOWH550
Thrust N (kgf) (power output)	4100 (410)	5500 (550)
Hydraulic motor power kW	29,5	39
Hydraulic motor speed rpm	2650	2900
Hydraulic motor capacity cm ³ /rev	24	35,6
Flow rate l/min	63,6	103
Operating pressure bar	250	250
Internal tunnel diameter mm	400	400

