

Industrial Breaking Bolt Series

Technical data - Sizes, connections, materials and seals

Coupling sizes and connections

Nominal width	Breaking force ¹⁾	Connection ²⁾	kg (Stainless)	kg (Aluminium)
1"	4 kN	1" Thread	-	-
		1" Flange	-	-
2"	13 kN	2" Thread	2,6	0,9
		2" Flange	7,3	2,5
2½"	22 kN	2½" Thread	7,4	2,5
		2½" Flange	13,2	4,5
3"	33 kN	3" Thread	8,5	2,9
		3" Flange	15,1	5,1
4"	52 kN	4" Thread	15,5	5,3
		4" Flange	20,7	7,0
5"	81 kN	5" Thread	32,0	12,0
		5" Victaulic	31,0	11,7
6"	92 kN	6" Thread	46,8	15,9
		6" Flange	57,6	19,6
8"	165 kN	8" Thread	-	-
		8" Flange	71,0	25,9
10"	258 kN	10" Flange	-	-
12"	371 kN	12" Flange	-	-

1) Mann Tek Standard. Other on request.

2) **Threads:** Female and Male (F/F - F/M - M/M) BSP, Female and Male (F/F - F/M - M/M) NPT
Flanges: ANSI 150 psi / ANSI 300 psi, DN 25-150 PN 10/16 and PN 25/40, TW1/50, TW3/80, TW7/150, T.T.M.A.
Others: Victaulic

Materials

Component	Material	Standard	Operation temperature ³⁾
Housing Check valve	SS (Stainless Steel)	EN 10272 - 1.4404+AT	-40°C to 250°C
		EN 10213 - 1.4409+AT	
	Br/Gm (Brass/Gun metal)	EN 12164 - CW614N	-40°C to 200°C
		EN 1982 - CB491K-GS	
	AL (Aluminium)	EN 755 - AW-6262-T6	-40°C to 150°C
		EN 1706 -AC-42100-T6	

Seals

Component	Material	Description ⁴⁾	Operation temperature ³⁾
O-ring	FKM	Viton™	-30°C to 200°C
	EPDM	Buna AP	-40°C to 120°C
	FFKM	Kalrez™ Chemraz™	-15°C to 230°C
	NBR	Perbunan	-38°C to 80°C

Working pressure: 16 bar / 25 bar 150psi / 300 psi 40 bar / 600 psi on request.

3) For temperature stability of the seal material used must be considered separately for each individual case

4) Kalrez, Viton = Registered Trademarks of DuPont; Chemraz = Registered Trademark of Green Tweed