



BMV
Rotary Braiding Machine

BMV

Technical data							
type		BMV 12	BMV 16	BMV 16 Z	BMV 16 F	BMV 24	BMV 24 Z
braiding material	mm ²						
Cu (soft)		0.02–0.56	0.02–0.56	0.02–0.56	0.01–0.10	0.02–0.56	0.02–0.56
AL		0.04–1.00	0.04–1.00	0.04–1.00	0.02–0.20	0.04–1.00	0.04–1.00
FE (soft)		0.01–0.37	0.01–0.37	0.01–0.37	0.01–0.07	0.01–0.37	0.01–0.37
Stainless steel		0.01–0.20	0.01–0.20	0.01–0.20	0.01–0.04	0.01–0.20	0.01–0.20
working direction		vertical	vertical	vertical	vertical	vertical	vertical
braiding binding (pattern)		2 over 2	2 over 2	2 over 2	2 over 2	2 over 2	2 over 2
number of bobbins		12	16	16	16	24	24
bobbin	rpm	175	175	175	150	110	110
braiding pitch	mm	3–120	3–120	3–120	1.8–45	6–180	6–180
central passage	mm	50	50	50	50	50	50
capstan diameter Ø	mm	500/650	500/650	500	400	650/800	650/800
max. braiding bobbin dimension	mm	80 x 100/80	80 x 100/80	80 x 100/80	70 x 85/55	80 x 100/80	80 x 100/80
max. cable spool dimension (Flange-Ø)	mm						
with integrated pay-off and take-up		800	800	800	630	800	800
with separate pay-off and take-up		1,600	1,600	1,600	1,000	1,600	1,600
haul-off tension at spool carrier (dependet on cross-section and material)	N	0.9–10 3.0–15 0.6–6.0	0.9–10 3.0–15 0.6–6.0	0.9–10 3.0–15 0.6–6.0	0.3–3.0	0.9–10 3.0–15 0.6– 6.0	0.9–10 3.0–15 0.6– 6.0
sound pressure level (aaccording EN ISO 3743-2 and DIN 45635-1)	dBA	79	79	79	79	79	79
require compressed air supply	bar	6	6	6	6	6	6
connected load	kVA	10	10	15	10	12	17
machine dimension (W x D x H)	m	1.45 x 1.00 x 2.40	1.45 x 1.00 x 2.40	1.45 x 1.00 x 3.10	1.45 x 1.00 x 2.40	1.70 x 1.60 x 2.50	1.70 x 1.30 x 3.10
weight approx.	kg	1,100	1,100	1,400	1,100	1,650	1,750

Design:

- for 12, 16 or 24 bobbins
- sound enclosure with window, service doors, lighting and ventilation
- separate, infinitely variable drive for the haul-off capstan
- temperature-controlled slide-way
- frequency-controlled main drive
- maintenance-free AC drives

Increase in quality:

- bobbin carrier with tension control

Energy and cost efficiency:

- slide-way lubrication system for minimized lubricant consumption
- NMI (NIEHOFF Machine Interface) color touch-screen for data entry, display of production parameters and maintenance instructions

Take-up and pay-off units

BAS 800.1 take-up and pay-off unit

- holds spools with a flange diameter of 630 to 800 mm
- pneumatic lifting and lowering of the spools
- braiding product is wound onto the take-up unit via a rolling ring traverse (infinitely variable pitch adjustment)
- mechanically braked pay-off unit
- spool take up via floating shaft

WH 1000 – 1250 – 1600 take-up units

- hold spools with a flange diameter of up to 1,600 mm
- spool take up via pintles (optionally also with floating shaft on WH 1000)
- hydraulic lifting and lowering of the drums
- braiding product is wound onto the take-up unit via a rolling ring traverse (infinitely variable pitch adjustment)
- optional: dancer controlled drive

AH 1000 – 1250 – 1600 pay-off units

- hold spools with a flange diameter of up to 1,600 mm
- spools are mounted on pintles (optionally also with floating shaft on AH 1000)
- hydraulic lifting and lowering of the spools
- mechanically braked pay-off unit
- optional: dancer controlled drive