

Tightening system
hand-held
ErgoSpin VarioLine



Tightening system

hand-held ■ ErgoSpin VarioLine**Documentation**

- Instructions

VarioLine hand-held nutrunner becomes a tightening spindle

- Extended application options in combination with handling devices
- Can be used as a tightening spindle with output drive adapters
- Fully suitable for robot use
- Zero-play spur gearing for free connection of crowfoot wrenches and special output drives

Technical data

		Tool mount	Installation Length	Weight	Code	Order no.
[Nm]	[1/min]		[mm]	[kg]		
1 - 5	1090	Standard machine without output drive and with zero-play spur gearing for free connection of crowfoot wrenches and special output drives	333	1,1 kg	ESV005	0608841041
2,4 - 12					ESV012	0608841035
5 - 25	1700		365	1,4 kg	ESV025	0608841037
10 - 50	830		375	1.5 kg	ESV050	0608841038
14 - 73	900		406	2.4 kg	ESV073	0608841039
29 - 146	420		430	2.8 kg	ESV146	0608841040

Components

Tightening system

hand-held ■ ErgoSpin VarioLine**Angle head**

- You can mount different angle heads on the ErgoSpin VarioLine. This makes your ErgoSpin hand-held nutrunner suitable for a variety of applications. With an angle head for special output drives, you can e.g. mount a crowfoot wrench to the VarioLine.

ErgoSpin	Maximum torque [Nm]	Tool mount	Reduction	Avg. efficiency	Code	Order no.
ESV005 / ESV012	13	1/4" square	1.1	1	WH013S	3608876051
					WH013G	3608876052
ESV025	40	3/8" square	1.73		WH040S	3608876055
					WH040G	3608876056
ESV050	56	1/2" square	1.16		WH056S	3608876057
					WH056G	3608876058
	65		1.35		WH065S	3608876059
					WH065G	3608876060
75	1.56	WH075S	3608876061			
		WH075G	3608876062			
ESV073	100		1.42		WH100S	3608876063
ESV146	150		1.1		WH150S	3608876064
	220	3/4" square	1.59	WH220S	3608876065	

Angle head for special output drives

ErgoSpin	Maximum torque [Nm]	Tool mount	Reduction	Avg. efficiency	Code	Order no.
ESV025	40	3/8" square	1.73	1	WHS040	3608876081
ESV050	75	1/2" square	1.56		WHS075	3608876082
ESV073	100		1.42		WHS100	3608876083

Straight output drives

- Straight output drives combined with the ErgoSpin VarioLine produce a straight nutrunner. The combination of VarioLine and straight output drives always delivers an ergonomic solution for tightening cases of up to 12 Nm: whether vertically suspended, as a hand-held straight nutrunner, a hand-held application, or in connection with handling devices.

ErgoSpin VarioLine	Maximum torque [Nm]	Tool mount	Reduction	Avg. efficiency	Installation Length	Weight	Code	Order no.
ESV005	1 - 5	1/4" square	1	1	31.5	0.7 kg		0608810047
ESV012	2,4 - 12	1/4" square						-
ESV005	1 - 5	1/4" quick-change chuck						0608810048
ESV012	2,4 - 12	1/4" quick-change chuck						-

Tightening system

hand-held ■ ErgoSpin VarioLine**Output drive adapters**

- With the output drive adapters, you can combine the ErgoSpin VarioLine with output drives in sizes 2, 3, and 4 for tightening spindles and e.g. use it as a tightening spindle.

ErgoSpin VarioLine		Output Drives for ErgoSpin VarioLine						
Code	[Nm]	Tool mount	Reduction	Avg. efficiency	Installation Length	Weight	Code	Order no.
ESV005	1 - 5	Size 2	1	1	41.4	0.7 kg		-
ESV012	2,4 - 12	Size 2			40.3		0608810049	
ESV025	5 - 25	Size 3			41.2	0.2 kg	0608810050	
ESV050	10 - 50	Size 3			44.5	0.3 kg	0608810051	
ESV073	14 - 73	Size 4			44		0608810052	
ESV146	29 - 146	Size 4					0608810053	

Accessories**Holder for right-angle nutrunner and straight nutrunner**

Code	Order no.
ESAT	3608876626

Turning suspension

Code	Order no.
ESMH1	3608875426
ESMH2	3608875921

Vertical suspension

Code	Order no.
ESMV	3608875435

Start lever extension for straight nutrunners incl. vertical suspension

Code	Order no.
ESTE	3608876175

Stroke extension

Code	Order no.
ESSE	3608876746

Tightening system

hand-held ■ ErgoSpin VarioLine**Adapter for handling devices**

Code	Order no.
ESCU1B	3608876459
	3608876409

Adapter without drilling template

Code	Order no.
ESCU1F	3608876751
ESCU2F	3608876749

Mounting aid for angle heads

Code	Order no.
ESWM	3608876473

ErgoSpin connection cable angle – straight

Length A [mm]	Code	Order no.
3	AL003	0608750102
5	AL005	0608750103
7	AL007	0608750104
10	AL010	0608750105
15	AL015	0608750106
20	AL020	0608750107
0	ALF*	3608875061

Connection cable angle – angle

Code	Order no.
ALWF*	3608875062

Tightening system

hand-held ■ ErgoSpin VarioLine**ErgoSpin connection cable straight – straight**

Code	Order no.
AVF*	3608875063

**Connection cable straight – angle**

Code	Order no.
AWF*	3608875064

ErgoSpin connection cable angle – straight with freely rotatable right-angle plug

Code	Order no.
AWDF	3608876471

ErgoSpin connection cable angle – angle with freely rotatable right-angle plug

Code	Order no.
ALWDF*	3608876472

Bosch Rexroth AG

Electric Drives and Controls

P.O. Box 13 57

97803 Lohr, Germany

Bgm.-Dr.-Nebel-Str. 2

97816 Lohr, Germany

Phone +49 9352-40-0

Fax +49 9352-40-4885

www.boschrexroth.com/electrics

The data specified above only serve to describe the product.

As our products are constantly being further developed, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.