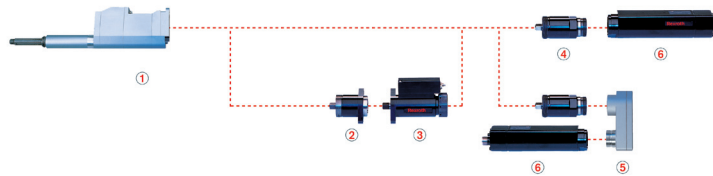
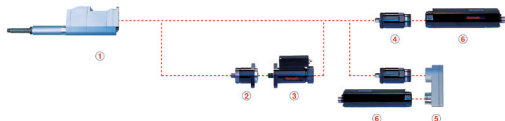


Offset Output Drive with Integrated Measurement Transducer,
30 - 342 Nm
Size 4



Offset Output Drive with Integrated Measurement Transducer,
30 - 342 Nm ■ Size 4

Documentation
• outputs
• Tightening spindles
• Gearboxes
• EC motor



Benefits:

- Reduced center-to-center distances
- Torque measurement directly at the screw
- Proximity switching digital measurement transfer
- Efficiency fluctuations do not affect measurements

Technical data

Tightening spindle		Offset Output Drive with Integrated Measurement Transducer,				PC-based		Tightening spindles	
		Range of spring	Tool mount	Code	Order no.	Code	Order no.	Code	Order no.
[Nm]	[l/m]	[mm]							
30 - 47	1000	80	1/2" square	4VMC150	0608801004	4GE19	0608720056	EC304	0608701018
42 - 65	700	80	3/4" square	4VMC210	0608801005				
72 - 117	410	80	3/4" square	4VMC360	0608801006				
30 - 142	340	80	1/2" square	4VMC150	0608801004	4GE59	0608720040		
42 - 200	240	80	3/4" square	4VMC210	0608801005				
72 - 342	135	80	3/4" square	4VMC360	0608801006				

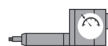
Side-by-side arrangement of tightening spindels (center-to-center distance)						
	Number of tightening spindles		2	3	4	5
	Smallest circle diameter Ø dmin [mm]	4VMC150	44	51	63	75
		4VMC210	48	56	68	82
		4VMC360	57	66	81	97

*) Accuracy is limited if operating below the working range.

Components

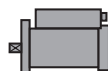
1) Offset Output Drive with Integrated Measurement Transducer,

Offset Output Drive with Integrated Measurement Transducer,

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Code		4VMC150	4VMC210	4VMC360
Order no.		0608801004	0608801005	0608801006
Maximum torque	[Nm]	142	200	342
Reduction		1	1.46	2.56
Avg. efficiency		0.92		
Length A	[mm]	242	252	246
Installation Length	[mm]	438		476
Weight	[kg]	4,9 kg	7.1 kg	11.7 kg

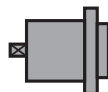
2) Tightening spindles



Code		4DMC060	4DMC160
Order no.			
Nominal torque	[Nm]	60	160
Reduction		1	
Avg. efficiency		1	
Installation Length	[mm]	122	
Weight	[kg]	1.6 kg	

- You can configure your tightening spindle with a redundant measurement transducer from the same type. Connect both measurement transducers with the 2AR adapter.

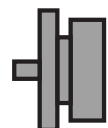
3) Redundant adapter



Code		4AR
Order no.		0608810022
Reduction		1
Avg. efficiency		1
Installation Length	[mm]	65
Weight	[kg]	0,8 kg

- When configuring with a redundant measurement transducer, the 2AR adapter connects both measurement transducers.

4) Adapter



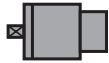
Code		4A
Order no.		0608810026
Reduction		1
Avg. efficiency		1
Installation Length	[mm]	26.5
Weight	[kg]	0.4 kg

- When configuring without a measurement transducer, the 2A adapter connects the output drive and the planetary gearbox.

5) Planetary gearbox

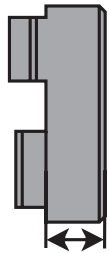
Offset Output Drive with Integrated Measurement Transducer,

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Code		4GE19	4GE59
Order no.		0608720056	0608720040
Reduction		19.3	58.6
Avg. efficiency		0.9	0.85
Installation Length	[mm]	82.9	105.5
Weight	[kg]	0.7 kg	1,1 kg

6) Transverse gearbox



Code		4ULG
Order no.		0608PE0024
Reduction		1
Avg. efficiency		0.9
Installation Length	[mm]	41.3
Weight	[kg]	1,4 kg

• The 2ULG transverse gearbox shortens the length of your tightening spindle by the installation length of the EC motor plus the installation length of the transverse gearbox.

7) EC motor



Code		EC304
Order no.		0608701018
Installation Length	[mm]	269
Weight	[kg]	2.7 kg

Accessories

Tightening spindle with offset output drive with integrated measurement transducer

BG	VMC	(A)	
		Code	Order no.
BG 4	4VMC150, 4VMC210	ML055	0608830224
	4VMC360	ML061	0608830223

Tightening spindle with offset output drive with integrated measurement transducer and redundant measurement transducer

BG	VMC	(A)		(B)	
		Code	Order no.	Code	Order no.
BG 4	4VMC150, 4VMC210	ML046	0608830222	MLR040	0608830175
	4VMC360			MLR045	0608830225

Offset Output Drive with Integrated Measurement Transducer,

30 - 342 Nm ■ Size 4**Tightening spindle with offset output drive with integrated measurement transducer and transverse gearbox**

BG	VMC	(A)	
		Code	Order no.
BG4	4VMC..	ML036	0608830171

Tightening spindle with offset output drive with integrated measurement transducer and transverse gearbox and redundant measurement transducer

BG	VMC	(A)		(B)	
		Code	Order no.	Code	Order no.
BG4	4VMC150, 4VMC210	ML036	0608830171	MLR040	0608830175
	4VMC360			MLR045	0608830225

Connection cable straight – angle


Length A [mm]	Code	Order no.
3	SL003	0608830176
5	SL005	0608830177
7	SL007	0608830190
10	SL010	0608830178
15	SL015	0608830179
20	SL020	0608830180
0	SLF*	3608872160

Connection cable angle – angle

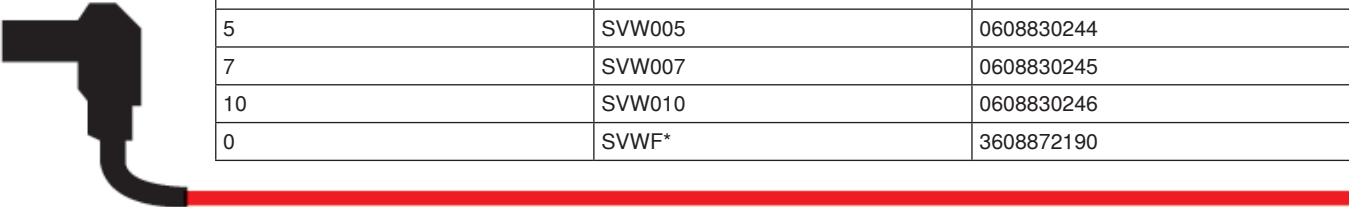
Length A [mm]	Code	Order no.
3	SLW003	0608830227
5	SLW005	0608830230
7	SLW007	0608830232
10	SLW010	0608830242
0	SLWF*	3608872170

**Tightening spindle extension cable straight– straight**

Offset Output Drive with Integrated Measurement Transducer,

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Length A	Code	Order no.
[mm]		
3	SV003	0608830188
5	SV005	0608830189
7	SV007	0608830247
10	SV010	0608830181
15	SV015	0608830182
20	SV020	0608830183
0	SVF*	3608872180

Tightening spindle extension cable angle –straight


Length A	Code	Order no.
[mm]		
3	SVW003	0608830243
5	SVW005	0608830244
7	SVW007	0608830245
10	SVW010	0608830246
0	SVWF*	3608872190

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

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