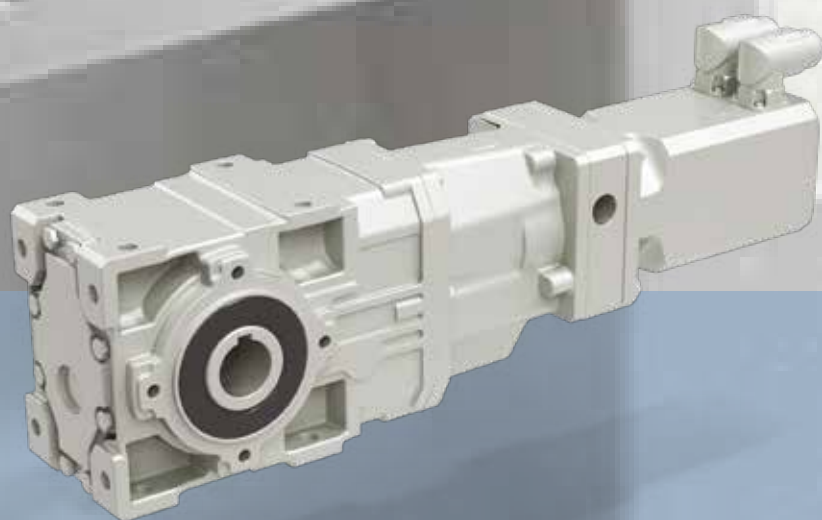




A SERIES & SERVO FLANGES

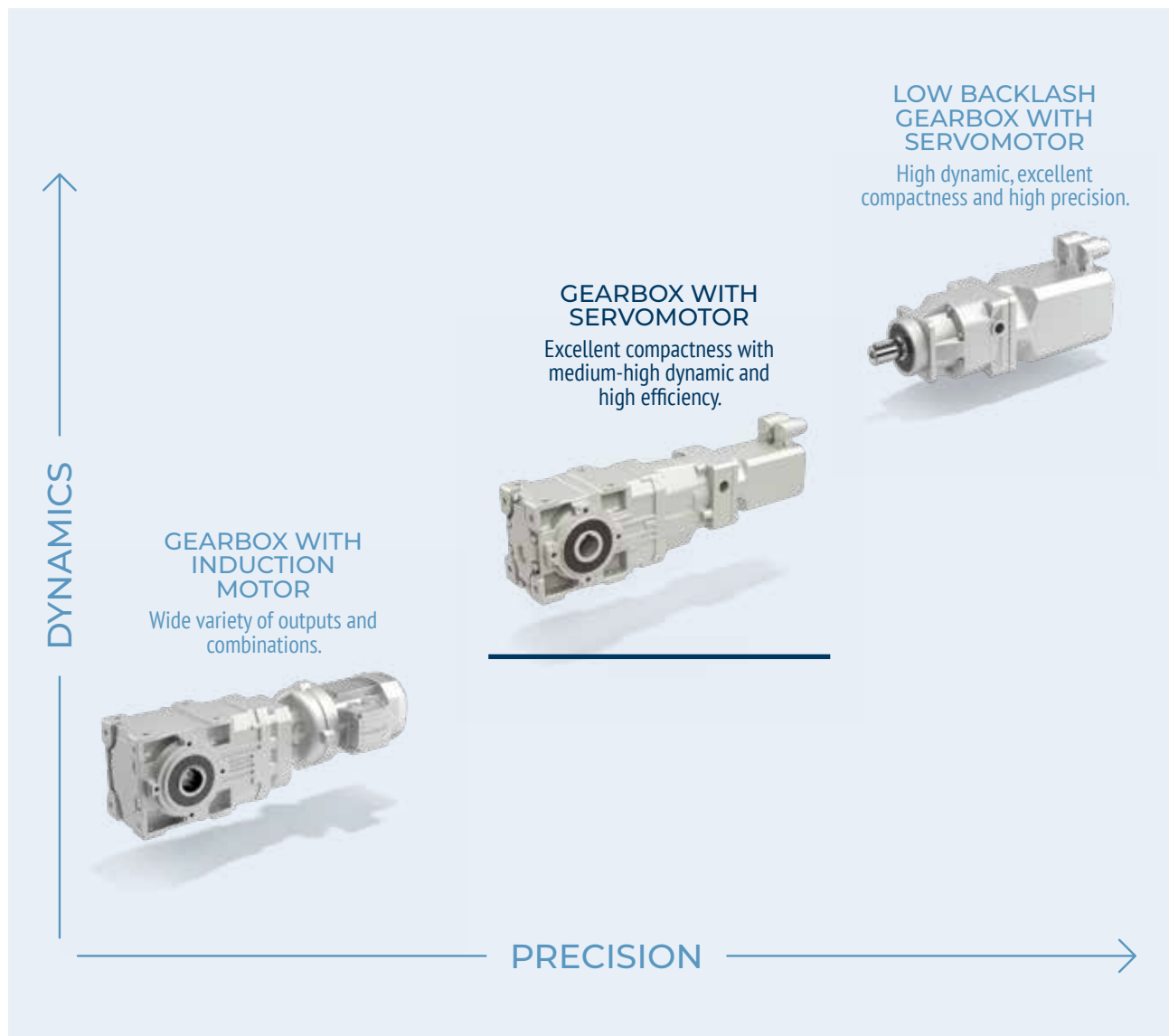
Servo right-angle gearmotors

 **Bonfiglioli**

THE RIGHT CHOICE FOR DYNAMIC APPLICATIONS

Permanent magnet synchronous motor for precisely controlled movements.

Compared to standard gearmotors with induction motors, they are more compact and thanks to a very low inertia they become suitable for high dynamic application. Some of the main benefit are a high dynamics response, a high compactness and a high IP protection up to IP67.

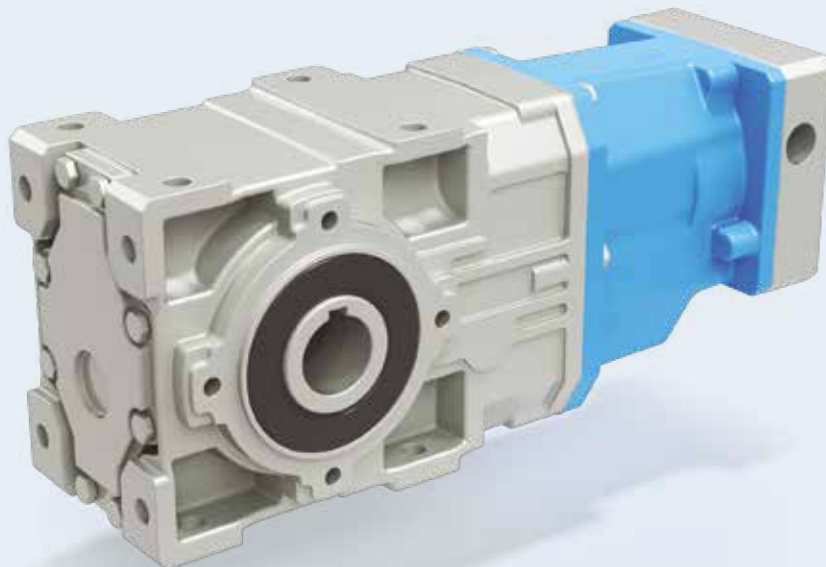


NEW SERVO FLANGES

Permanent magnet synchronous motors from Bonfiglioli combined with A series bevel gear unit extend even more the actual performance.

They represent a very price effective solution if compared with precision planetary gearboxes and in the same time boost a high-performance level.

Our excellent characterization, our know-how and the fantastic performance of these products, make our solution suitable for multiple application where dynamic requirements and medium-high precision is needed.



BENEFITS

Main advantages of our new helical bevel servo solutions:



Complete servo package solution from Bonfiglioli. We are a unique supplier for gearboxes, motors and inverters. With our internal skills and know-how we are always able to configure the best price/performance solution ever.



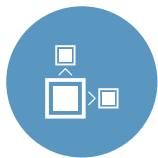
Price effective solution. Thanks to innovative technologies and new design adopted we've maximised the price / performance ratio.



More flexibility in terms of mechanical interchangeability with most of the motors present on the market.



Extend performance of the previous design. That will ensure more reliability and a longer lifetime.



An answer to a continuous growing of tech complexity demand. Our excellent performance and innovative solutions follow perfectly this trend.



Best for high dynamic applications and accurate scalability. Suitable for cyclic operation with alternating load and continuous duty.

A RELIABLE PARTNER FOR YOUR BUSINESS



Bonfiglioli Riduttori S.p.A. brings decades of experience supporting customers across a broad spectrum of industry sectors. Product and requirements must fit and form a solution that match to your application.

Our tailor-made solutions always offer to you a complete approach.



MATERIAL
HANDLING



PACKAGING &
LABELLING



FOOD &
BEVERAGE



WOODWORKING
MACHINES



TISSUE &
TEXTILE

Some of the industrial sectors we serve:

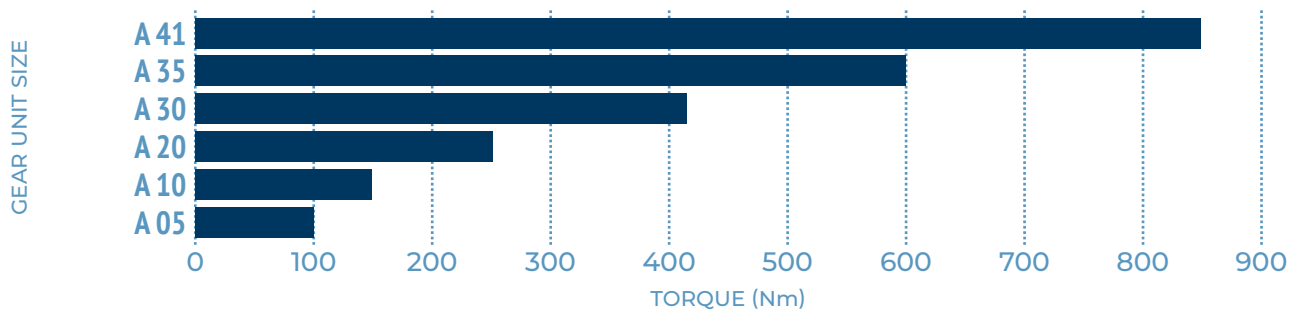
- Machine tools
- Packaging & labelling
- Food & beverage
- Tobacco
- Glass working
- Robotics
- Automation storage
- Ceramic
- Electronics
- Electronic assembly
- Woodworking



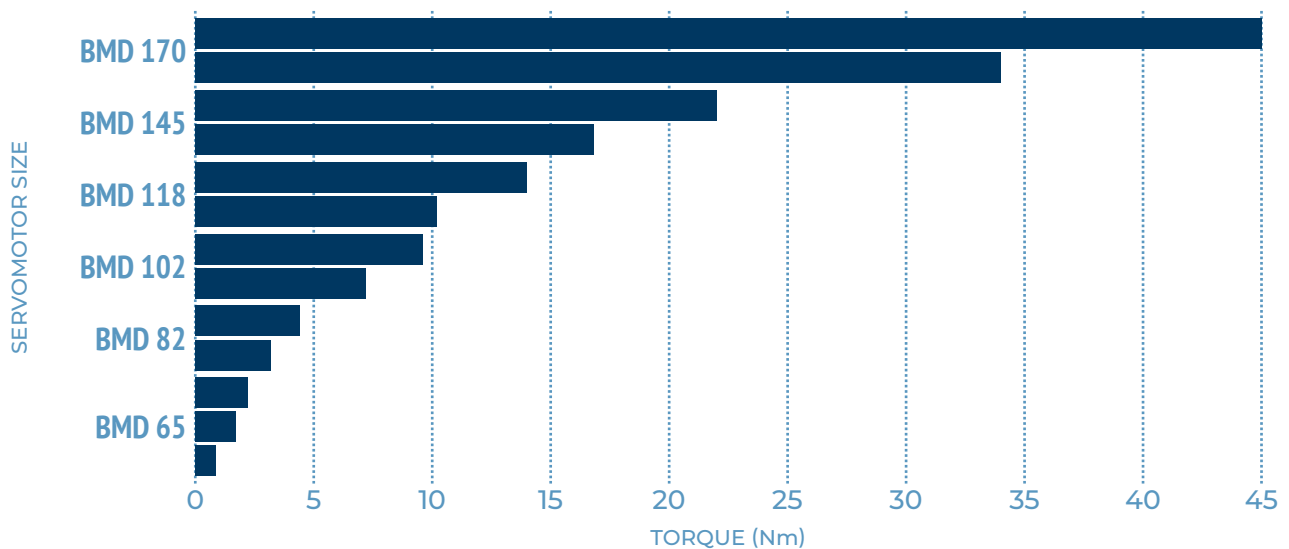
SYNCHRONOUS SERVO GEARMOTORS WITH NEW FLANGES

Sizes	6
Designation	A05,A10,A20,A30,A35,A41
Reduction stage number	2,3
Torque range [Nm]	100 - 850
Gear ratios i	5,2 – 400,8

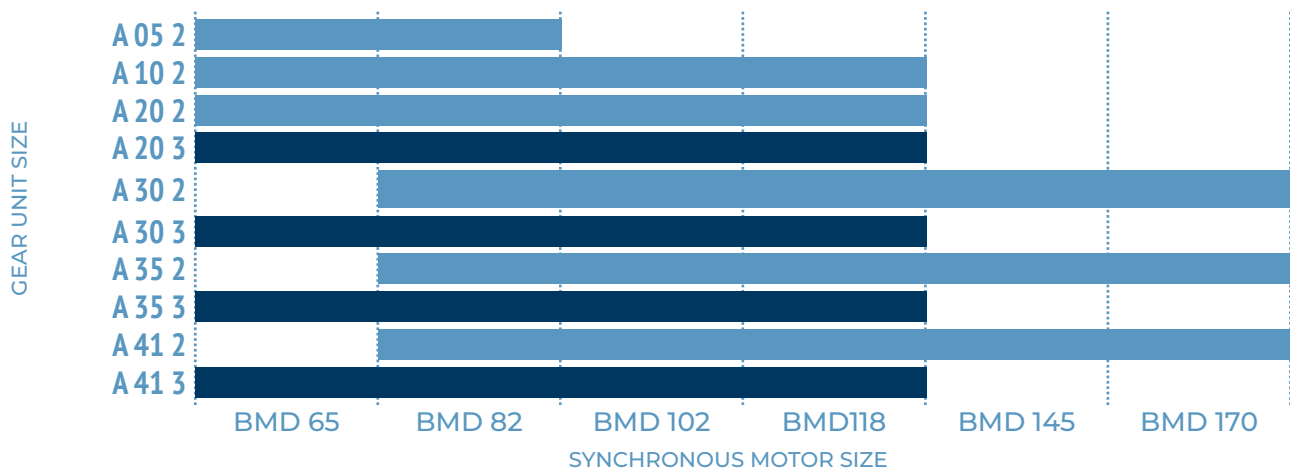
A series torque range



BMD series torque range



A-BMD possible configuration



Technical drawing of the Benfiglioli 1000 series gearbox, showing front and rear views with dimensions.

Front View (Left):

- Overall width: P
- Mounting flange diameter: $\varnothing G$
- Mounting flange thickness: E
- Mounting flange offset: F
- Mounting flange offset: X
- Brand name: Benfiglioli

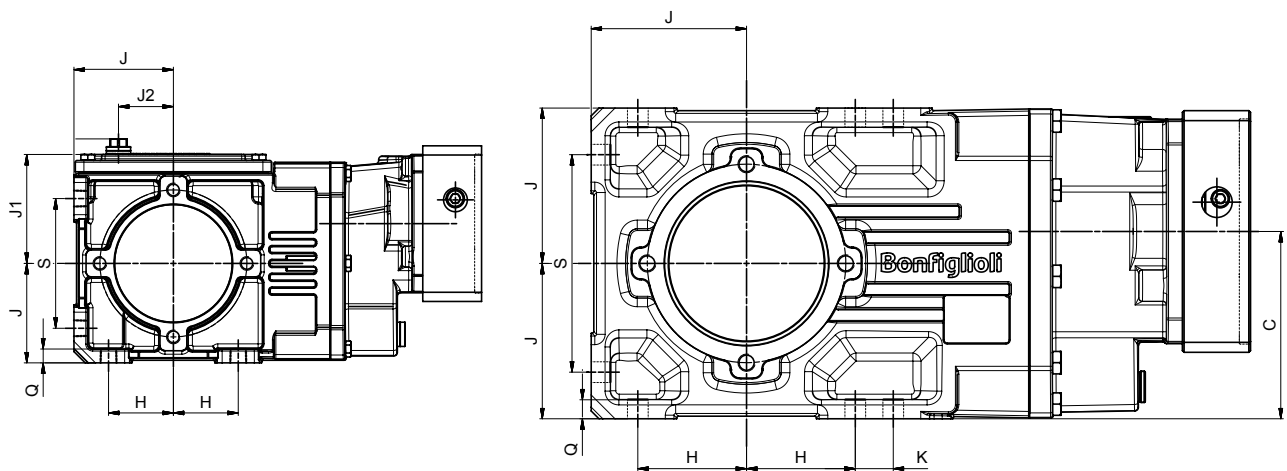
Rear View (Right):

- Overall width: N
- Mounting flange diameter: $\varnothing D$
- Mounting flange thickness: Mt
- Mounting flange offset: M
- Mounting flange offset: $N2$
- Mounting flange offset: $N1$
- Mounting flange offset: $N4$

Input		Mt [Nm]	G	M	N1	N2	N4	X	D	E	F	N
S59F40B1	M6	11	13.75	9	63	40	M4x12	4	108	15.1	10.5	80
S11F40B1	M6	11	13.75	11	63	40	M4x12	4	108	15.1	10.5	80
S11F50C1	M6	11	13.75	11	70	50	M4x10	4	90	15.1	13.75	80
S14F40B1	M6	11	13.75	14	63	40	M4x12	4	108	15.1	10.5	80
S14F50C1	M6	11	13.75	14	70	50	M4x10	4	90	15.1	13.75	80
S11F60A2	M6	11	13.75	11	75	60	*	*	*	*	*	*
S14F60A2	M6	11	13.75	14	75	60	*	*	*	*	*	*
S14F80A1	M6	11	13.75	14	100	80	*	*	*	*	*	*
S19F80A1	M6	11	13.75	19	100	80	*	*	*	*	*	*
S16F80A1	M6	11	17.75	16	100	80	M6x16	6.5	135	15.5	16.3	100
S19F70B1	M6	11	17.75	19	90	70	M5x12	6.5	135	15.5	16.3	100
S19F95A	M6	11	17.75	19	115	95	M8x18	6.5	135	15.5	16.3	100
S24F110A	M6	14	17.75	24	130	110	M8x18	6.5	155	15.5	16.3	115
S24F95A	M6	14	17.75	24	115	95	M8x18	6.5	135	15.5	16.3	100
S14F80A2	M6	11	17.75	14	100	80	M6x15	4	165	17	19.5	130
S16F80A2	M6	11	17.75	16	100	80	M6x15	4	165	17	19.5	130
S19F110B1	M6	11	17.75	19	145	110	M8x20	6.5	165	17	29.5	130
S22F110B1	M6	14	17.75	22	145	110	M8x20	6.5	165	17	29.5	130
S24F110B1	M6	14	17.75	24	145	110	M8x20	6.5	165	17	29.5	130
S19F80A2	M6	11	17.75	19	100	80	*	*	*	*	*	*
S19F95A1	M6	11	17.75	19	115	95	*	*	*	*	*	*
S24F110A1	M6	14	17.75	24	130	110	*	*	*	*	*	*
S24F130A	M6	14	17.75	24	165	130	M10x20	6.5	190	17	19.5	140
S24F95A1	M6	14	17.75	24	115	95	*	*	*	*	*	*
S28F130A	M8	20	17.75	28	165	130	M10x20	6.5	190	17	19.5	140
S28F180A	M8	20	17.75	28	215	180	*	*	*	*	*	*
S32F130A	M8	20	17.75	32	165	130	M10x20	6.5	190	17	19.5	140
S32F180A	M8	20	17.75	32	215	180	M14x25	6.5	250	21.5	29.5	190
S38F180A1	M8	25	17.75	38	215	180	M14x25	6.5	250	29.5	44.5	190

P Coupling available, the value represent the P measure in millimeters
Coupling unavailable

DIMENSIONS | A SERIES OUTPUT INTERFACE



Size	Stages	C	H	J	J1*	J2*	K	S	Q
A 05	2	80,5	37,5	57,5	72	31,75		75	8
A 10	2	83	50	70				100	9
A 20	2	93	60	80				120	9
A 20	3	93	60	80				120	9
A 30	2	108,5	63	90			22	126	11
A 30	3	108,5	63	90			22	126	11
A 35	2	113,5	73	100				146	11
A 35	3	113,5	73	100				146	11
A 41	2	129,5	80	112			20	160	13
A 41	3	129,5	80	112			20	160	13

J1 - J2 dimensions are related to the A 05 gear unit only

OUR GLOBAL PRESENCE

Thanks to an international network of closely interconnected commercial and production sites, we can guarantee the same high standards of Bonfiglioli quality anywhere at any given time. We know that our direct presence in local markets is the key to long-lasting success, so our family includes 18 production sites, 23 commercial sites and more than 550 distributors around the world.

Our organization is always close by, offering complete and efficient solutions and supporting our customers with dedicated services, co-engineering and after-sales assistance.



18

PRODUCTION SITES



23

COMMERCIAL SITES



80

COUNTRIES



550

DISTRIBUTORS



~4,700

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We have a relentless commitment to excellence, innovation & sustainability. Our team creates, distributes and services world-class power transmission & drive solutions to keep the world in motion.

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