

NEMA-Connection for spur and planetary gearheads

Flexibility for many applications:
The intelligent modular system.



NEMA – Power with methodic

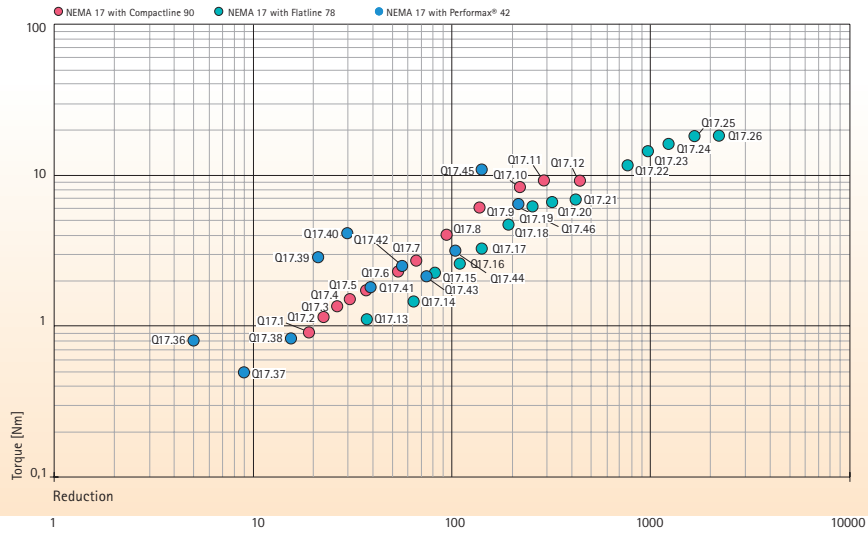
Gearheads with NEMA-Flanges gives you the possibility to connect our gearheads with a wide range of motors e. g. stepper motors or brushless DC-motors with NEMA-Geometry. These gearhead solutions are designed for the NEMA sizes 17, 23 and 34. For all of these sizes, one of our gearheads from the Flatline, Compactline, Performax and Focus series are available.

- easy assembly through clamp connection
- highly precise centering of the pinion
- modular structure of the entire system
- 156 alternatives (gearheads, reduction, types of output shaft bearing) with outstanding performance
- noise optimised helical teeth in the 1st stage
- plastic wheels with optimum sliding properties for additional noise reduction
- hardened and ground output shaft
- gearhead lifetime 5,000 hours (operating mode $C_b=1$). Input speed 3,000 rpm.
- maintenance-free grease lubrication for life
- ambient temperature -20 °C to $+80\text{ °C}$

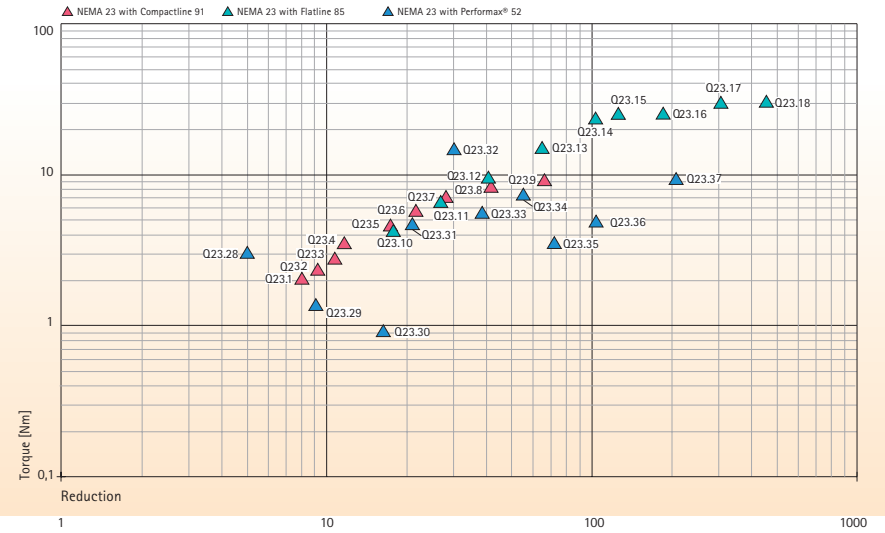
*NoiselessPlus, Performax® Plus, EtaCrown® and EtaCrown®Plus on request

NEMA-Connections for spur and planetary gearheads

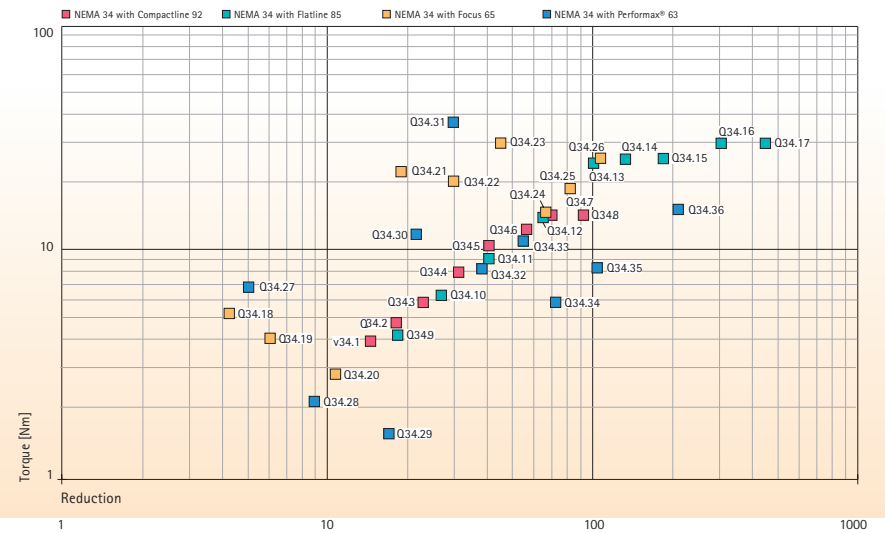
Performance overview NEMA 17



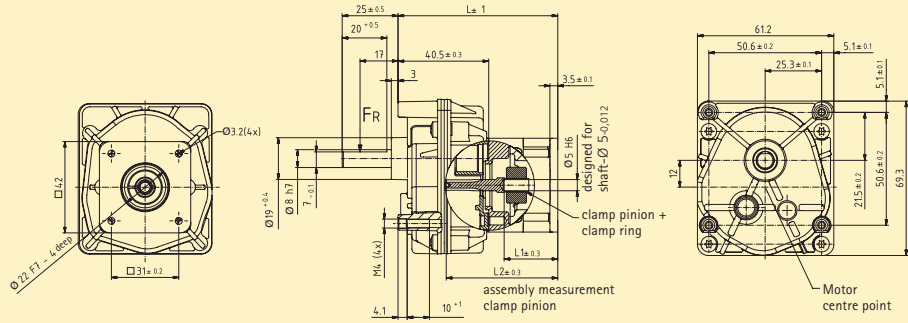
Performance overview NEMA 23



Performance overview NEMA 34

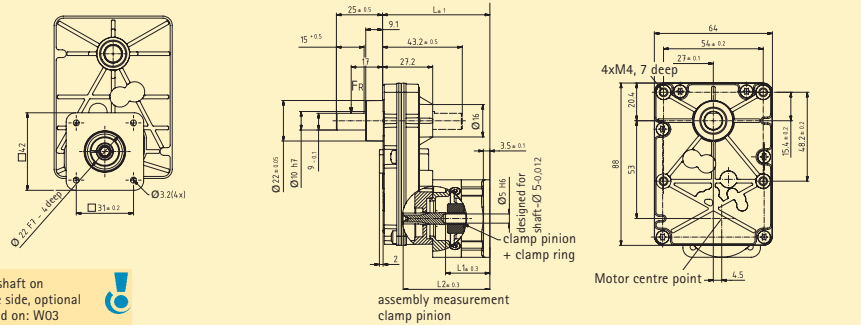


NEMA 17 Connection for spur gearheads



NEMA 17 with spur gearhead Compactline 90

No.	Reduction i / no. of stages	allowed torque M_{all} [Nm]	Order No.	max. length of motor shaft L1 [mm]	assembly measurement L2 [mm]	total length L [mm]
Q 17.1	18,8 / 2	0,9	90.2.N17.C01	24	50	72
Q 17.2	23,4 / 2	1,1	90.2.N17.C02			
Q 17.3	26,8 / 2	1,3	90.2.N17.C03			
Q 17.4	30,6 / 2	1,5	90.2.N17.C04			
Q 17.5	37,5 / 2	1,8	90.2.N17.C05			
Q 17.6	53,2 / 3	2,3	90.3.N17.C06	24	50	72
Q 17.7	67,8 / 3	2,9	90.3.N17.C07			
Q 17.8	92,7 / 3	4	90.3.N17.C08			
Q 17.9	142,5 / 3	6,1	90.3.N17.C09			
Q 17.10	222,0 / 4	8,5	90.4.N17.C10			
Q 17.11	296,0 / 4	9	90.4.N17.C11	22	48	72
Q 17.12	432,0 / 4	9	90.4.N17.C12			

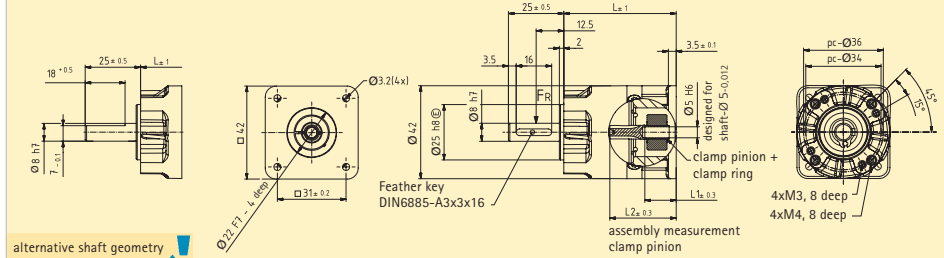


NEMA 17 with spur gearhead Flatline 78

No.	Reduction i / no. of stages	allowed torque M_{all} [Nm]	Order No.	max. length of motor shaft L1 [mm]	assembly measurement L2 [mm]	total length L [mm]
Q 17.13	38,6 / 3	1,1	78.3.N17.F01	24	47	58
Q 17.14	65,2 / 3	1,5	78.3.N17.F02			
Q 17.15	82,8 / 3	2,3	78.3.N17.F03			
Q 17.16	106,1 / 3	2,6	78.3.N17.F04			
Q 17.17	140,8 / 3	3,2	78.3.N17.F05			
Q 17.18	191,9 / 4	4,7	78.4.N17.F06	24	47	58
Q 17.19	252,6 / 4	6,2	78.4.N17.F07			
Q 17.20	315,7 / 4	6,3	78.4.N17.F08			
Q 17.21	408,4 / 5	6,8*	78.5.N17.F09			
Q 17.22	737,4 / 5	12*	78.5.N17.F10			
Q 17.23	976,0 / 5	14,6*	78.5.N17.F11	24	47	58
Q 17.24	1266,1 / 5	16,1*	78.5.N17.F12			
Q 17.25	1648,6 / 5	17,5*	78.5.N17.F13			
Q 17.26	2135,9 / 5	17,5*	78.5.N17.F14			

*stainless steel execution

NEMA 17 Connection for planetary gearheads



alternative shaft geometry if required.
Order code: W01

NEMA 17 with planetary gearhead Performax 42

No.	Reduction i / no. of stages	allowed torque M_{all} [Nm]	Order No.	max. length of motor shaft L1 [mm]	assembly measurement L2 [mm]	total length L [mm]
Q 17.36	5,0 / 1	0,8	42.1.N17.P01	14,1	30	51
Q 17.37	9,0 / 1	0,5	42.1.N17.P02	14,1	30	51
Q 17.38	17,0 / 1	0,8	42.1.N17.P03	15,1	30	51
Q 17.39	21,3 / 2	2,9	42.2.N17.P04	14,1	30	66
Q 17.40	30,0 / 2	4,1	42.2.N17.P05	14,1	30	66
Q 17.41	38,3 / 2	1,8	42.2.N17.P06	14,1	30	66
Q 17.42	54,0 / 2	2,6	42.2.N17.P07	14,1	30	66
Q 17.43	72,3 / 2	2,2	42.2.N17.P08	15,1	30	66
Q 17.44	102,0 / 2	3,2	42.2.N17.P09	15,1	30	66
Q 17.45	150,0 / 3	11	42.3.N17.P10	14,1	30	82
Q 17.46	204,0 / 2	6,2	42.2.N17.P11	15,1	30	66

Q

Q