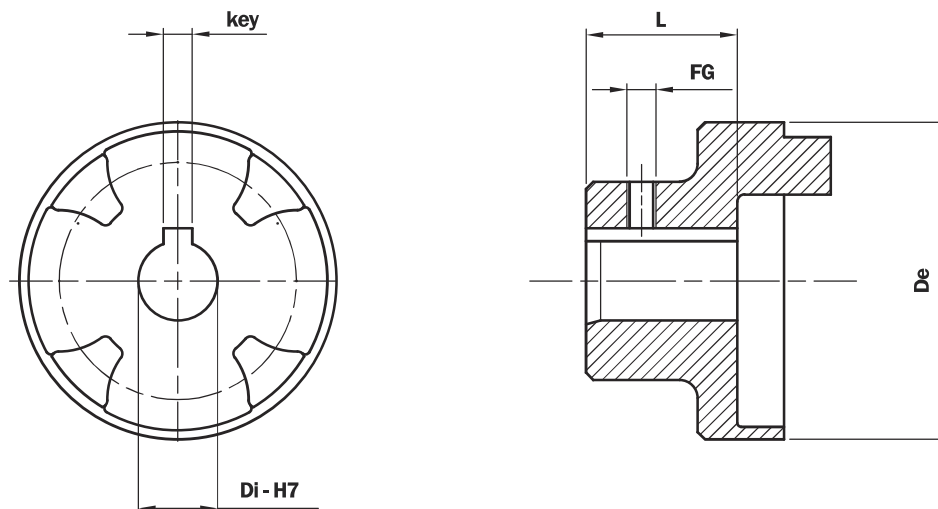


# SGEA motor half-coupling aluminum



**TABLE 38 - Motor half-coupling**

Motor 4-pole 1500 rpm				Dimensions of motor half-coupling								
Frame size	kW	Hp	Shaft	Half-coupling code	De	L	d	Tol	key	Tol	FG	Weight (kg)
63	0.12 - 0.16	0.18 - 0.24	11x23	<b>SGEA01M01021</b>	43	21	11		4		M5	0,07
71	0.25 - 0.34	0.37 - 0.50	14x30	<b>SGEA01M02028</b>	43	28	14		5		M5	0,08
80	0.53 - 0.75	0.75 - 1	19x40	<b>SGEA01M03040</b>	43	40	19		6		M5	0,12
				<b>SGEA21M03040</b>	68	40	19		6		M6	0,30
90	1.1 - 1.5	1.5-2	24x50	<b>SGEA01M04048</b>	43	48	24		8		M5	0,13
				<b>SGEA21M04048</b>	68	48	24		8		M6	0,28
100 - 112	2.2-4	3-5.5	28x60	<b>SGEA21M05060</b>	68	60	28		8		M6	0,33
				<b>SGEA31M05060</b>	85	60	28	H7	8	D10	M8	0,48
132	5.5-7.5	7.5-12.5	38x80	<b>SGEA31M06077</b>	85	77	38		10		M8	0,78
				<b>SGEA51M06077</b>	109,5	77	38		10		M8	1,60
160	11-15	15-20	42x110	<b>SGEA51M07109</b>	109,5	109	42		12		M8	1,60
180	18-22	25-30	48x110	<b>SGEA51M08109</b>	109,5	109	48		14		M8	1,60
200	30	40	55x110	<b>SGEA51M09109</b>	109,5	109	55		16		M8	1,90
225	37-45	50-61	60x140	<b>SGEA51M10109</b>	109,5	109	60		18		M8	1,90

**TABLE 39 - Pump drive half-couplings**

Half-coupling code	d min	d max	D	Tol	L min	L max	Standard lengths										FG
<b>SGEA01 *** **</b>	11	19	43	H7	17	50	17	23	30	40	44	48	-	-	-	-	M5
<b>SGEA21 *** **</b>	15	24	70	H7	23	50	35	40	42	44	48	50	-	-	-	-	M6
<b>SGEA21 *** **</b>	25	28	70	H7	40	60	40	42	44	48	50	55	58	60	-	-	M6
<b>SGEA31 *** **</b>	18	32	85	H7	40	60	42	45	48	50	52	55	58	60	-	-	M8
<b>SGEA31 *** **</b>	38	42	85	H7	60	80	60	65	70	77	80	-	-	-	-	-	M8
<b>SGEA51 *** **</b>	18	40	109,5	H7	40	70	42	45	48	50	52	55	58	60	65	70	M8
<b>SGEA51 *** **</b>	38	55	109,5	H7	70	109	70	75	80	85	90	95	100	105	109	-	M8

Complete the half-coupling designation with the pump interface code and the length.

Ex. **SGEA51D02040**    **D02**    See **Table 44**    **040**    Half-coupling length (see **Table 39**).

**Note:** Screw not included

.....

.....

.....

.....

# Half-coupling bore size codes

**TABLE 44**

Bore size code - cylindrical shafts (SGEA - SGEG - SGES series)																	
Diameter	key	Code	Diameter	key	Code	Diameter	key	Code	Diameter	key	Code	Diameter	key	Code	Diameter	key	Code
12	4	<b>C00</b>	35	10	<b>D05</b>	14	5	<b>M02</b>	19,05	4,76	<b>G01</b>	13,45	3,18	<b>H07</b>			
15	5	<b>C01</b>	40	12	<b>D06</b>	19	6	<b>M03</b>	22,22	4,76	<b>G02</b>	17,46	4,76	<b>H08</b>			
16	4	<b>C02</b>	45	14	<b>D07</b>	24	8	<b>M04</b>	22,22	6,35	<b>G03</b>	12,7	3,18	<b>H09</b>			
16	5	<b>C03</b>	50	14	<b>D08</b>	28	8	<b>M05</b>	25,4	4,76	<b>G04</b>	15,87	3,97	<b>L00</b>			
17	5	<b>C04</b>	70	20	<b>D09</b>	38	10	<b>M06</b>	25,4	6,35	<b>G05</b>	22,22	4	<b>L01</b>			
18	6	<b>C05</b>	22	8	<b>D10</b>	42	12	<b>M07</b>	31,75	6,35	<b>G06</b>	28,58	6,35	<b>L02</b>			
20	5	<b>C06</b>	8	3	<b>E00</b>	48	14	<b>M08</b>	31,75	7,94	<b>G07</b>	19,05	6,35	<b>L03</b>			
19	5	<b>C07</b>	10	3	<b>E01</b>	55	16	<b>M09</b>	34,94	7,94	<b>G08</b>	47,63	12,7	<b>L04</b>			
30	10	<b>C08</b>	22	5	<b>E02</b>	60	18	<b>M10</b>	38,1	9,52	<b>G09</b>	85,73	22,23	<b>L05</b>			
20	6	<b>C09</b>	32	8	<b>E03</b>	65	18	<b>M11</b>	41,27	9,52	<b>H00</b>	60,33	15,88	<b>L06</b>			
16	5	<b>C10</b>	35	8	<b>E04</b>	75	20	<b>M12</b>	44,45	11,11	<b>H01</b>	60,33	12,7	<b>L07</b>			
22	6	<b>D00</b>	82	22	<b>E05</b>	80	22	<b>M13</b>	50,8	12,7	<b>H02</b>	73,03	19,05	<b>L08</b>			
24	6	<b>D01</b>	25	7	<b>E06</b>	90	25	<b>M14</b>	53,94	12,7	<b>H03</b>	92,07	22,22	<b>L09</b>			
25	8	<b>D02</b>	63	18	<b>E07</b>	95	25	<b>M15</b>	19,02	3,17	<b>H04</b>	41,6	12	<b>L10</b>			
30	8	<b>D03</b>	9	3	<b>M00</b>	100	28	<b>M16</b>	25,4	4,76	<b>H05</b>						
32	10	<b>D04</b>	11	4	<b>M01</b>	11,11	3,18	<b>G00</b>	15,87	4,76	<b>H06</b>						

**Combinations with double key:**

 G02+G03 **2E** G06+G07 **2G** C07+M03 **2L** D01+M04 **2N**

 G04+G05 **2F** C02+C03 **2H** C06+C09 **2M** D03+C08 **2P**

 Ex. Code SGEA21G02050**2E**
**TABLE 45**

Bore size code - splined shafts (SGEG - SGES half-couplings only)											
Profile	Standard	Code	Profile	Standard	Code	Profile	Standard	Code	Profile	Standard	Code
17th 8/16	Diametral Pitch	<b>PD01</b>	30th 32/64	Diametral Pitch	<b>PD24</b>	W55x2x26	DIN 5480	<b>PA16</b>	A55x50	DIN 5482	<b>PB18</b>
14th 12/24	Diametral Pitch	<b>PD02</b>	33th 32/64	Diametral Pitch	<b>PD25</b>	W60x2x28	DIN 5480	<b>PA17</b>	A58x53	DIN 5482	<b>PB19</b>
16th 12/24	Diametral Pitch	<b>PD03</b>	23th 40/80	Diametral Pitch	<b>PD26</b>	W70x2x34	DIN 5480	<b>PA18</b>	A60x55	DIN 5482	<b>PB20</b>
17th 12/24	Diametral Pitch	<b>PD04</b>	36th 48/96	Diametral Pitch	<b>PD27</b>	W80x2x38	DIN 5480	<b>PA19</b>	A62x57	DIN 5482	<b>PB21</b>
9th 16/32	Diametral Pitch	<b>PD05</b>	41th 48/96	Diametral Pitch	<b>PD28</b>	W60x3x18	DIN 5480	<b>PA20</b>	A65x60	DIN 5482	<b>PB22</b>
11th 16/32	Diametral Pitch	<b>PD06</b>	47th 48/96	Diametral Pitch	<b>PD29</b>	W70x3x22	DIN 5480	<b>PA21</b>	A68x62	DIN 5482	<b>PB23</b>
12th 16/32	Diametral Pitch	<b>PD07</b>	13th 8/16	Diametral Pitch	<b>PD30</b>	A15x12	DIN 5482	<b>PB01</b>	A70x64	DIN 5482	<b>PB24</b>
13th 16/32	Diametral Pitch	<b>PD08</b>	15th 8/16	Diametral Pitch	<b>PD31</b>	A17x14	DIN 5482	<b>PB02</b>	A72x66	DIN 5482	<b>PB25</b>
15th 16/32	Diametral Pitch	<b>PD09</b>	W18x1,25x13	DIN 5480	<b>PA01</b>	A18x15	DIN 5482	<b>PB03</b>	A75x69	DIN 5482	<b>PB26</b>
21th 16/32	Diametral Pitch	<b>PD10</b>	W20x1,25x14	DIN 5480	<b>PA02</b>	A20x17	DIN 5482	<b>PB04</b>	A78x72	DIN 5482	<b>PB27</b>
23th 16/32	Diametral Pitch	<b>PD11</b>	W25x1,25x18	DIN 5480	<b>PA03</b>	A22x19	DIN 5482	<b>PB05</b>	A80x74	DIN 5482	<b>PB28</b>
27th 16/32	Diametral Pitch	<b>PD12</b>	W28x1,25x21	DIN 5480	<b>PA04</b>	A25x22	DIN 5482	<b>PB06</b>	A82x76	DIN 5482	<b>PB29</b>
40th 16/32	Diametral Pitch	<b>PD13</b>	W32x1,25x24	DIN 5480	<b>PA05</b>	A28x25	DIN 5482	<b>PB07</b>	A85x79	DIN 5482	<b>PB30</b>
20th 24/48	Diametral Pitch	<b>PD14</b>	W38x1,25x29	DIN 5480	<b>PA06</b>	A30x27	DIN 5482	<b>PB08</b>	A88x82	DIN 5482	<b>PB31</b>
21th 24/48	Diametral Pitch	<b>PD15</b>	W30x2x14	DIN 5480	<b>PA07</b>	A32x28	DIN 5482	<b>PB09</b>	8x10	DIN 5481	<b>PC01</b>
23th 24/48	Diametral Pitch	<b>PD16</b>	W32x2x14	DIN 5480	<b>PA08</b>	A35x31	DIN 5482	<b>PB10</b>	10x12	DIN 5481	<b>PC02</b>
25th 24/48	Diametral Pitch	<b>PD17</b>	W35x2x16	DIN 5480	<b>PA09</b>	A38x34	DIN 5482	<b>PB11</b>	12x14	DIN 5481	<b>PC03</b>
26th 24/48	Diametral Pitch	<b>PD18</b>	W37x2x17	DIN 5480	<b>PA10</b>	A40x36	DIN 5482	<b>PB12</b>	15x17	DIN 5481	<b>PC04</b>
27th 12/48	Diametral Pitch	<b>PD19</b>	W38x2x18	DIN 5480	<b>PA11</b>	A42x38	DIN 5482	<b>PB13</b>	17x20	DIN 5481	<b>PC05</b>
28th 24/48	Diametral Pitch	<b>PD20</b>	W40x2x18	DIN 5480	<b>PA12</b>	A45x41	DIN 5482	<b>PB14</b>	21x24	DIN 5481	<b>PC06</b>
29th 24/48	Diametral Pitch	<b>PD21</b>	W42x2x18	DIN 5480	<b>PA13</b>	A48x44	DIN 5482	<b>PB15</b>	26x30	DIN 5481	<b>PC07</b>
32th 24/48	Diametral Pitch	<b>PD22</b>	W45x2x21	DIN 5480	<b>PA14</b>	A50x45	DIN 5482	<b>PB16</b>	30x34	DIN 5481	<b>PC08</b>
21th 32/64	Diametral Pitch	<b>PD23</b>	W50x2x24	DIN 5480	<b>PA15</b>	A52x47	DIN 5482	<b>PB17</b>	60x65	DIN 5481	<b>PC09</b>

For splined profiles other than those indicated in the table, contact the MP Filtri S.p.A. Technical and Sales Department.