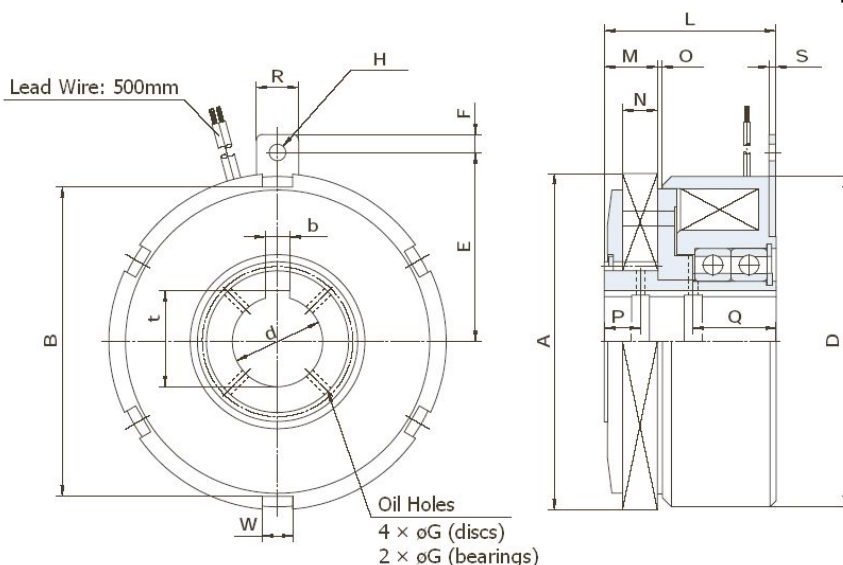


MWC

Wet-Type Multiple-Disk EM Clutch

Types: 1.2, 2.5, 5, 10, 20

[EM: Electromagnet]



[Special Order]

MWC		1.2	2.5	5	10	20
Dynamic Torque [ft-lbs / N-m]		8.9 / 12	18 / 25	37 / 50	74 / 100	148 / 200
Static Torque [ft-lbs / N-m]		18 / 25	37 / 50	74 / 100	148 / 200	295 / 400
Coil (20°C)	Voltage [DC-V]	24				
	Current [A]	0.48	0.71	0.91	1.5	1.9
	Resistance [Ω]	49.5	34	26.4	16	12.8
	Wattage [W]	12	17	22	36	45
Armature Pull-In Time [ms]		50	60	70	80	100
Torque Build-Up Time [ms]		120	150	170	180	200
Torque Decay Time [ms]		40	50	60	70	100
Max Allowable Speed [rpm]		4000	3600	3200	3000	2800
Moment of Inertia (J) [kg-cm ²]	Hub	2.8	5.5	13.3	32	57
	Outer Disc	0.5	1.3	2.8	8.3	16.3
Bore [mm]		dH7	20	25	30	40
Key Way [mm]	bE9	6	8	8	12	14
	t+0.2/-0	21.7	26.7	32	42.5	52.5
Dimensions [mm]	A	80	95	112	132	157
	B	73	87.5	103	122	145
	D	78	93	110	130	155
	E	47	57	63	80	91
	F	6	6	6	8	8
	G	2	3	3	3	3
	H	5.5	5.5	5.5	6.5	6.5
	L	45	49	57	63	73
	M	13.5	14.8	17.7	22	24.5
	N	8.5	9.3	11.7	14	14
	O	2	2	1.5	2	2
	P	10	11	12	16	18
	Q	21.5	23.5	27.5	25	28.5
	R	12	14	14	16	16
	S	2	2.3	2.3	3	3
W	8	10	10	12	12	
W (Qty)	6	6	6	6	6	
Weight [lbs / kg]		3.1 / 1.4	4.4 / 2.0	6.6 / 3.0	11 / 5	17 / 8
Coupling		UN1.2	UN2.5	UN5	UN10	UN20

[Included parts & accessories : surge protector]

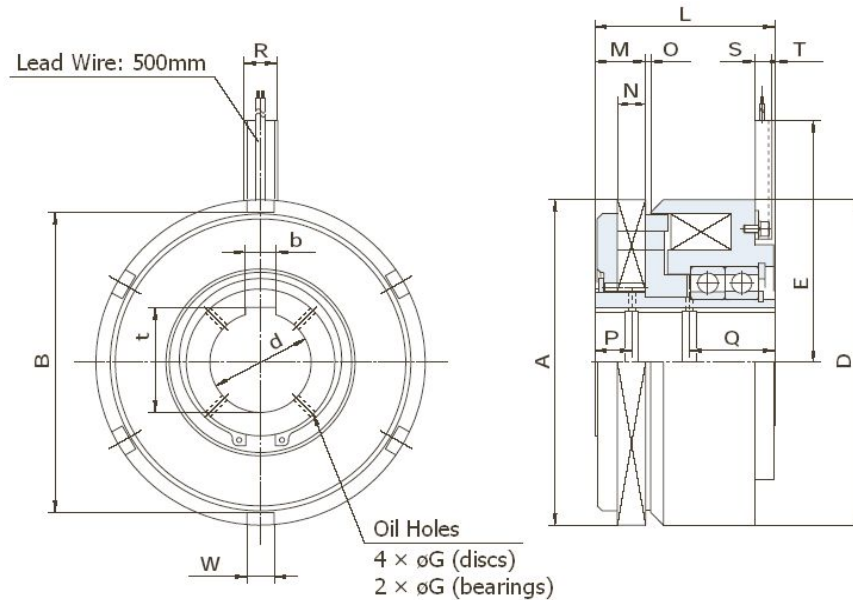
[1" = 25.4mm]

MWC

Wet-Type Multiple-Disk EM Clutch

Types: 40, 80, 160, 250, 320, 450, 600

[EM: Electromagnet]



[Special Order]

MWC		40	80	160	250	320	450	600
Dynamic Torque [ft-lbs / N-m]		295 / 400	590 / 800	1180 / 1600	1844 / 2500	2360 / 3200	3319 / 4500	4425 / 6000
Static Torque [ft-lbs / N-m]		590 / 800	1180 / 1600	2360 / 3200	3688 / 5000	4720 / 6400	6638 / 9000	8851 / 12000
Coil (20°C)	Voltage [DC-V]	24						
	Current [A]	2	2.5	3.7	4.6	5.1	7.3	6.2
	Resistance [Ω]	12	9.6	6.5	5.2	4.7	3.3	3.9
	Wattage [W]	50	60	90	110	125	175	150
Armature Pull-In Time [ms]		150	250	380	550	700	1000	1500
Torque Build-Up Time [ms]		320	600	700	900	1200	1500	1800
Torque Decay Time [ms]		130	350	900	700	1000	1200	1500
Max Allowable Speed [rpm]		2400	2000	1600	1400	1200	1000	900
Moment of Inertia (J) [kg-cm ²]	Hub	258	713	1980	3450	5280	10300	15000
	Outer Disc	47	142	383	683	1060	2280	5300
Bore [mm]		dH7	60	70	90	100	110	140
Key Way [mm]	bE9	18	20	25	28	28	32	35
	t±0.2/-0	63	75	95	106.5	119	130	151
	A	195	235	290	325	350	400	440
Dimensions [mm]	B	180	218	265	300	320	363.5	400
	D	195	235	290	324	350	392	428
	E	145	160	200	220	230	250	270
	G	4	4	4	5	5	8	8
	L	107	135	170	185	210	220	255
	M	30.2	40	49	55	60.9	63	80
	N	16.7	23	28.4	32	36.1	34.2	53
	O	3	4	5	5	10.1	10	10
	P	22	30	35	39	43	45	54
	Q	51	61	75	84	97	101	123
	R	20	20	25	30	30	30	30
	S	10	10	18	15	15	15	15
	T	2	4	5	11	10	17	17
	W	16	22	30	40	40	50	50
	W (Qty)	6	6	6	6	6	6	8
Weight [lbs / kg]		37 / 17	71 / 32	123 / 56	174 / 79	229 / 104	309 / 140	423 / 192
Coupling		UN40	UN80	UN160	UN250	UN320	UN450	UN600

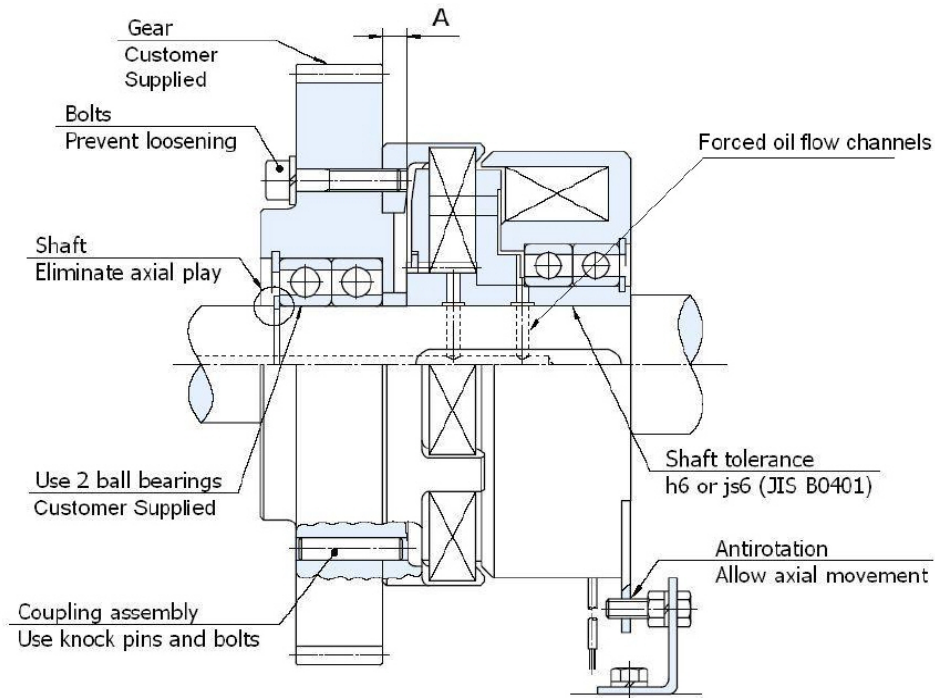
[Included parts & accessories : surge protector]

[1" = 25.4mm]

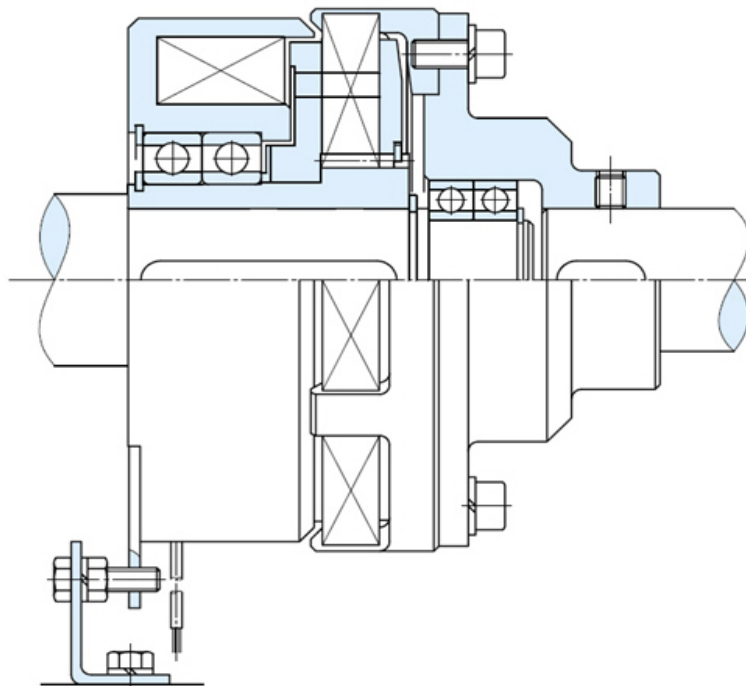
Ogura Industrial
100 Randolph Rd.
Somerset, NJ 08875

www.ogura-clutch.com
info@ogura-clutch.com
(732) 271-7361

MWC: TYPICAL INSTALLATION

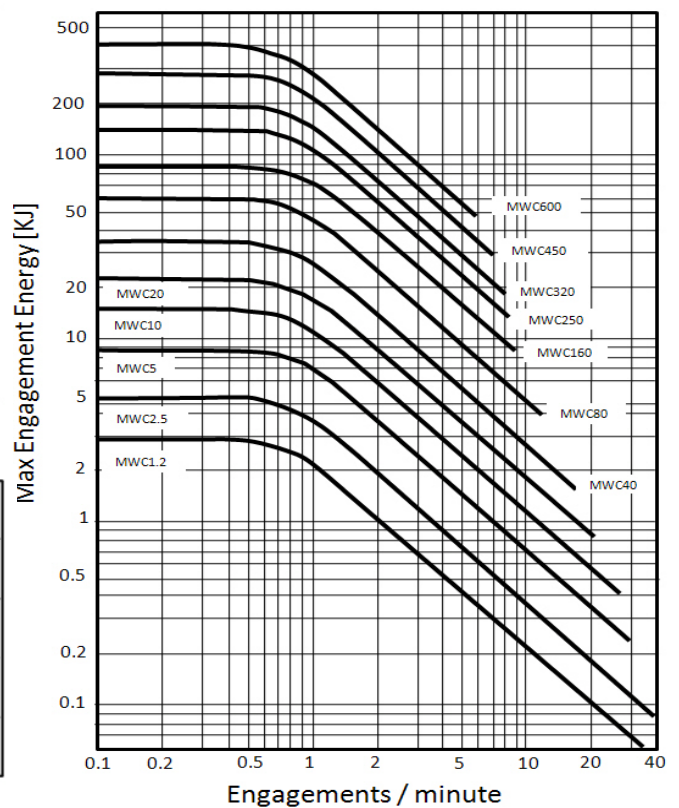
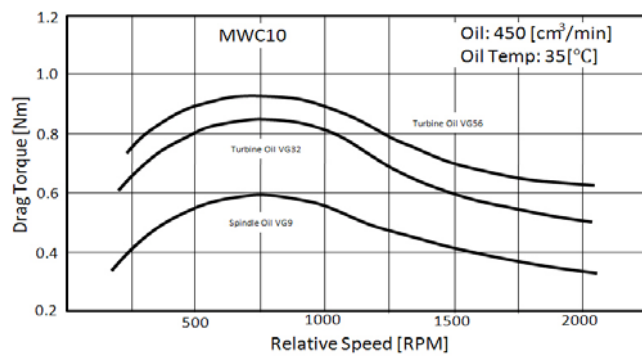
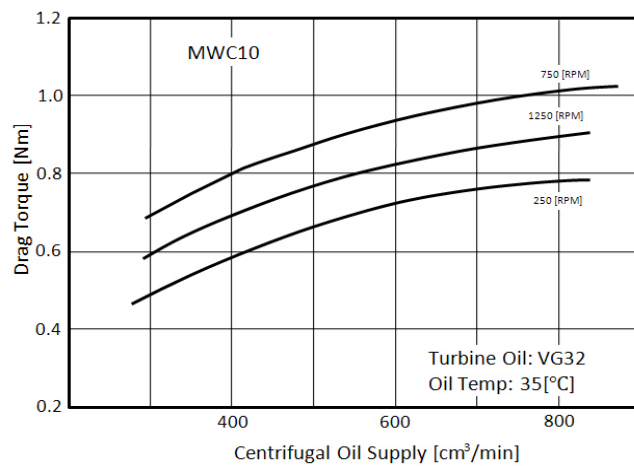
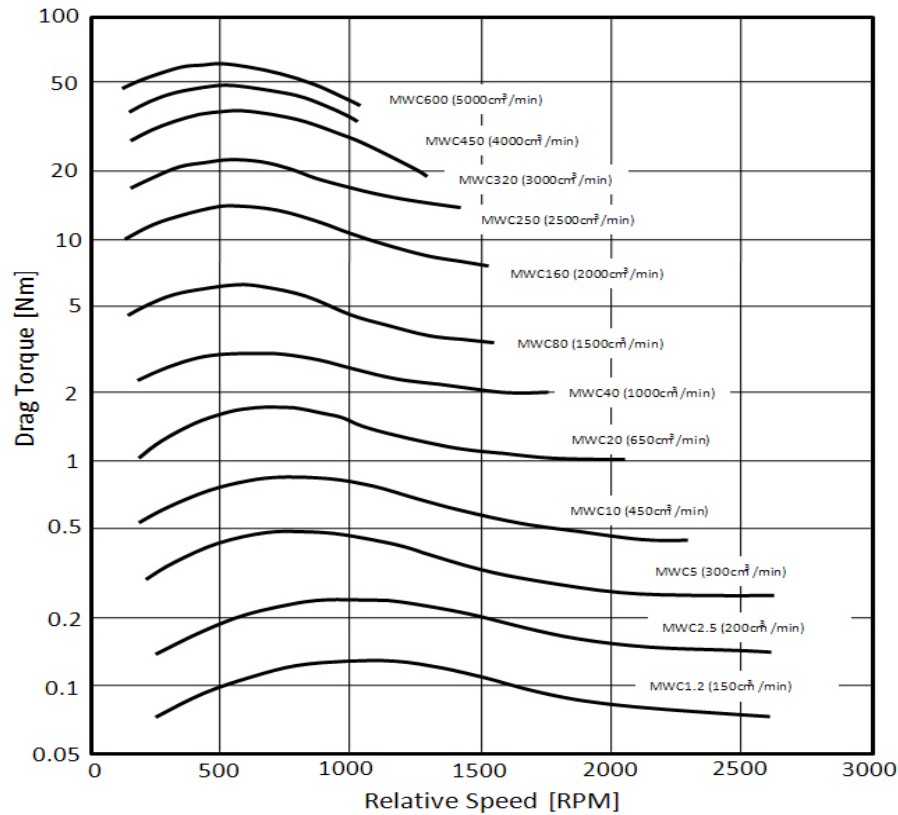


MWC as clutch coupling

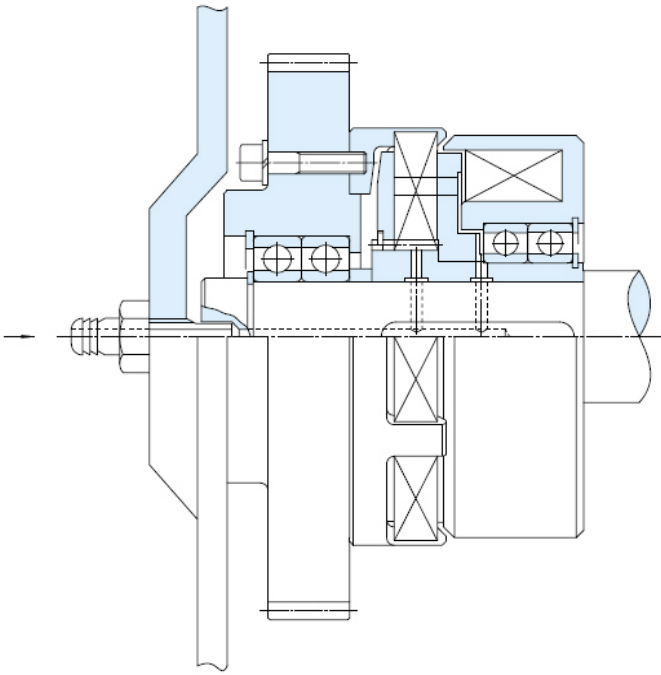


MWC	1.2	2.5	5	10	20	40
Dimension A [mm]	5.5	5.5	6	6.5	9.5	14
MWC	80	160	250	320	450	600
Dimension A [mm]	17	23	25	30	36	36

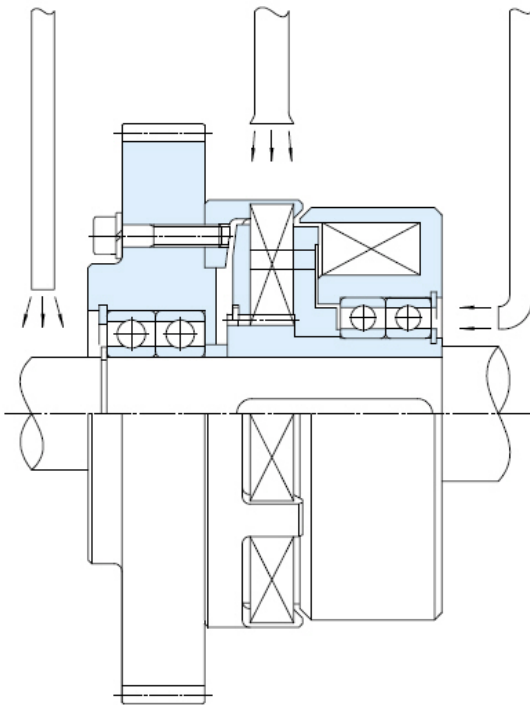
MWC: MAX ENGAGEMENT ENERGY & DRAG TORQUE



MWC: DRAG TORQUE

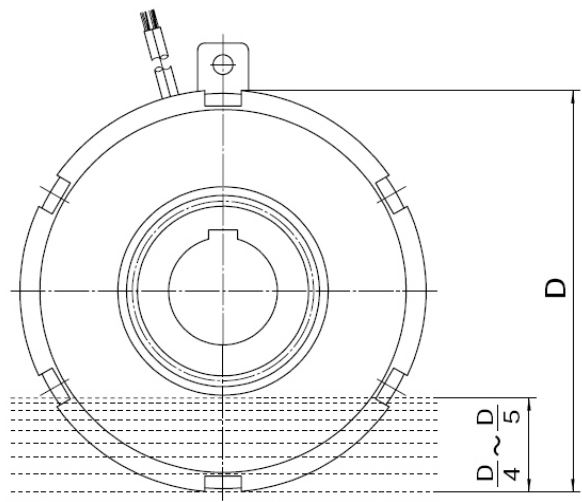


Shaft Lubrication System
Ideal when:
speed > 1000rpm
Shaft Orientation: Vertical
Load: High



Spray System:
Can be used when:
Speed < 1000 rpm

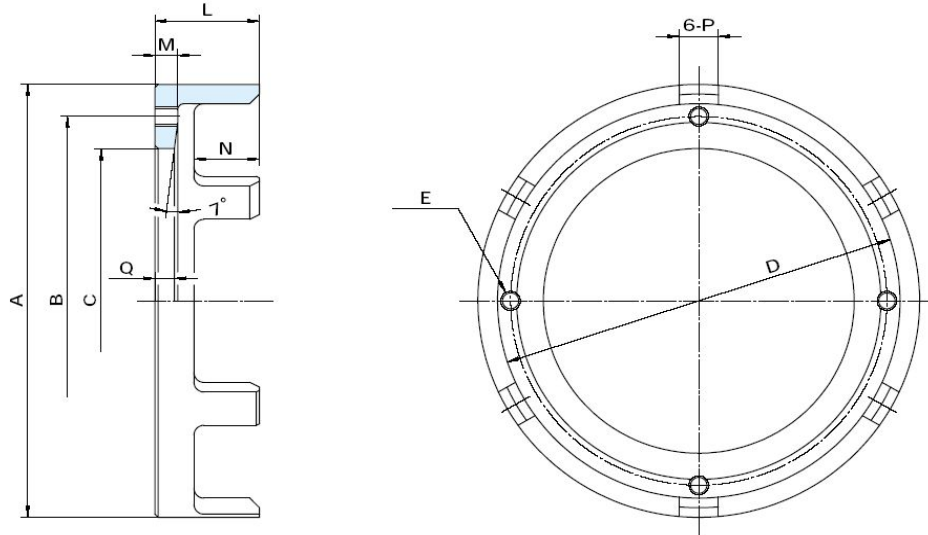
Oil Bath System
Can be used when:
Speed < 1000 rpm
Or cycle: Low



UN

Coupling for Multiple-Disk Clutch

Types: 1.2, 2.5, 5, 10, 20, 40, 80, 160, 250, 320, 450, 600



UN		1.2	2.5	5	10	20
Moment of Inertia (J) [kg-cm ²]		2.3	5	9.8	23.5	54
Dimensions [mm]	A	82	97	114	135	160
	B	68	80	95	115	135
	CH7	56	65	78	95	115
	D	74	88.5	104	123	146
	E	M5	M6	M6	M6	M8
	E (Qty)	4	4	4	6	6
	L	21.5	23	26	32	38
	M	5.5	6	6.5	7	10
	N	13	15	16	20	22
	P	8	10	10	12	12
	Q	5	5	5.5	6	9
Weight [lbs / kg]		0.33 / 0.15	0.49 / 0.22	0.77 / 0.35	1.1 / 0.5	2.4 / 1.1

UN		40	80	160	250	320	450	600
Moment of Inertia (J) [kg-cm ²]		149	365	1080	2070	3280	8150	10800
Dimensions [mm]	A	198	238	294	330	355	404	444
	B	160	200	240	260	280	320	360
	CH7	135	170	200	220	240	280	310
	D	181.5	220	267.5	304	324	368	404
	E	M10	M12	M16	M16	M18	M20	M20
	E (Qty)	6	6	6	6	6	6	8
	L	48	60	75	82	97	105	122
	M	12	15	20	20	25	30	30
	N	26	34	38	44	52	53	72
	P	16	22	30	40	40	50	50
	Q	10	13	17	17	22	27	27
Weight [lbs / kg]		4.6 / 2.1	6.6 / 3.0	16.0 / 7.3	21 / 9.5	30 / 14	44 / 20	55 / 25

[1 inch = 25.4 mm]