

MEKKA FLEX 联轴器性能、特点 Characteristics Of Max Dynamic Coupling

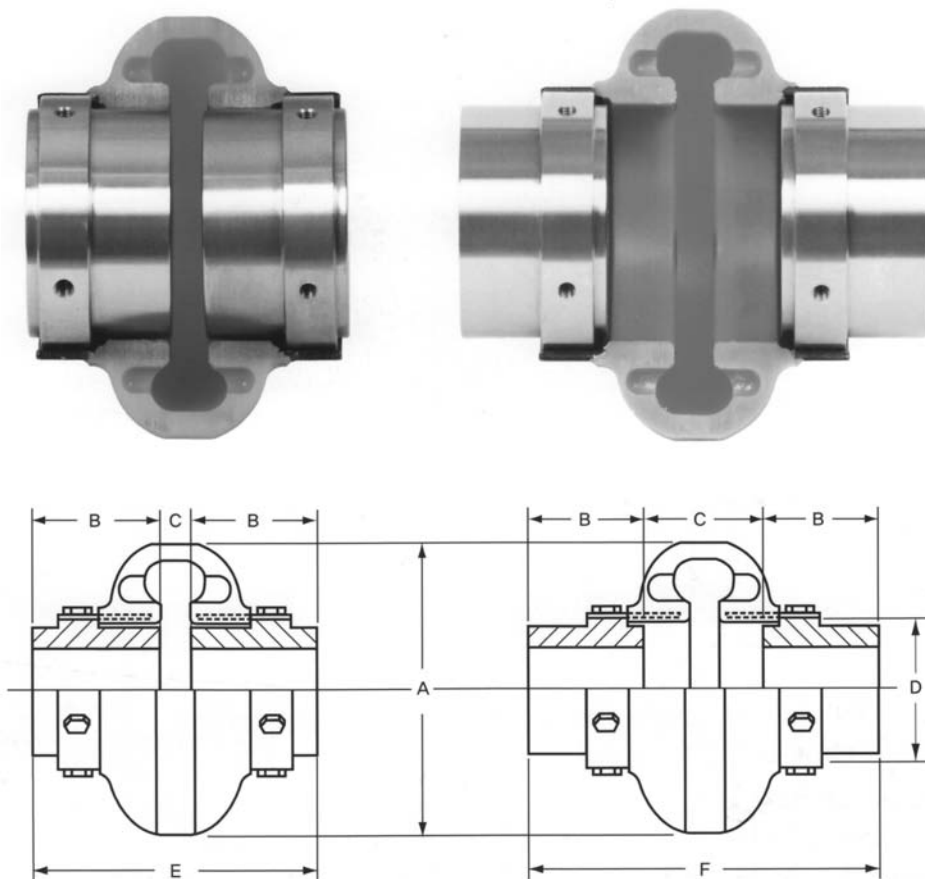
- 1.适应快速旋转扭曲，保护具有冲击、磨损的设施、设备。
- 2.无需润滑，拆装维护简单便捷。
- 3.由于简单的结构设计，非常方便更换弹性体，不用移动两端的设备。
- 4.不同材质的弹性体可通用同一种规格轴套。
- 5.聚氨酯材料具有抗腐蚀和水解稳定的特点。
- 6.在设备运行中，具有良好的弹性。
- 7.降低设备噪音，减少设备振动。

- 1.Facility protection for twirl and twist, impact and abrasion.
- 2.Very simple replacement and maintenance without oil and grease.
- 3.Very simple replacement without the separation of motor or connector on the related line due to its simple structure.
- 4.Possible for the dissimilar connection and assembling with same hub.
- 5.Polyurethane based for having good water resistance, chemical resistance.
- 6.Highest flexible elasticity on run.
- 7.Less noise.

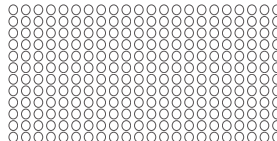
应用 Application

- | | | | |
|--------|---------------|-----------|-----------------------------|
| ● 搅拌器 | AGITATOR | ● 啤酒/蒸馏 | BREWERY&DISTILLING |
| ● 鼓风机 | BLOWER | ● 食品工业 | FOOD INDUSTRY |
| ● 压缩机 | COMPRESSOR | ● 木材加工设备 | LUMBER INDUSTRY |
| ● 输送机 | CONVEYORS | ● 纸浆及造纸设备 | PULP&PAPER MILL |
| ● 起重机 | CRANES&HOISTS | ● 橡胶工业 | RUBBER INDUSTRY |
| ● 提升机 | ELEVATORS | ● 钢铁工业 | STEEL INDUSTRY |
| ● 风扇 | FANS | ● 纺织工业 | TEXTILE MILLS |
| ● 发电机组 | GENERATORS | ● 水泥 骨料处理 | AGGREGATE PROCESSING CEMENT |
| ● 泵 | PUMP | | |

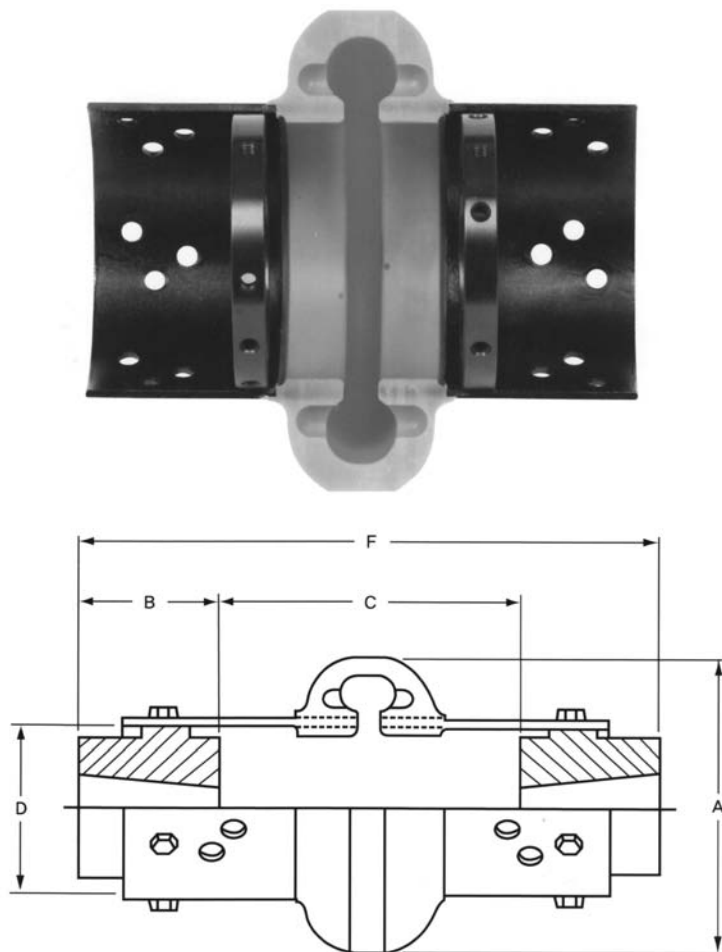
MEKKA FLEX 标准联轴器 MEKKA FLEX STANDARD COUPLING



MEKKA FLEX Coupling No.	Torque (N · m)	Max. Bore (mm)	Max. rpm	Power Rating (kw/rpm)	Dimensions(mm)						
					A	B	C		D	E	
					out dia	hub length	Min. shaft spacing	Max. shaft spacing	hub dia	in	out
FD-2	22	28	7500	0.0023	89	24	35	47	47	83	95
FD-3	42	34	7500	0.0043	102	37	9	47	59	83	121
FD-4	64	42	7500	0.0066	116	37	9	47	66	83	121
FD-5	110	48	7500	0.0110	137	45	10	52	80	100	142
FD-10	167	55	7500	0.0170	162	45	11	53	93	101	143
FD-20	267	60	6600	0.0270	184	50	15	63	114	115	163
FD-30	421	75	5800	0.0430	210	56	12	68	138	124	180
FD-40	634	85	5000	0.0660	241	61	12	74	168	134	196
FD-50	882	90	4200	0.0900	279	69	12	86	207	150	224
FD-60	1440	105	3800	0.1480	318	80	11	99	222	171	259
FD-70	2540	120	3600	0.2620	356	85	18	109	235	189	281
FD-80	4550	155	2000	0.4670	406	114	17	149	286	245	377
FD-100	9800	171	1900	1.0000	533	140	44	95	359	324	375
FD-120	19610	190	1800	2.0000	635	152	57	124	448	362	429



MEKKA FLEX 间隔联轴器 MEKKA FLEX SPACER COUPLING



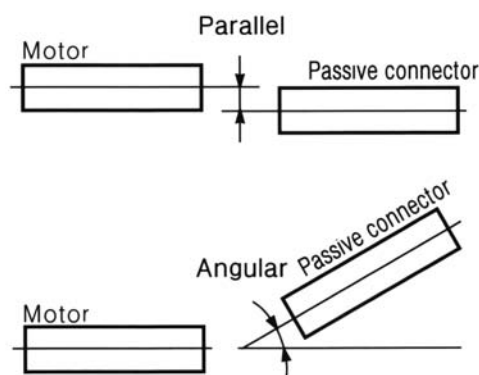
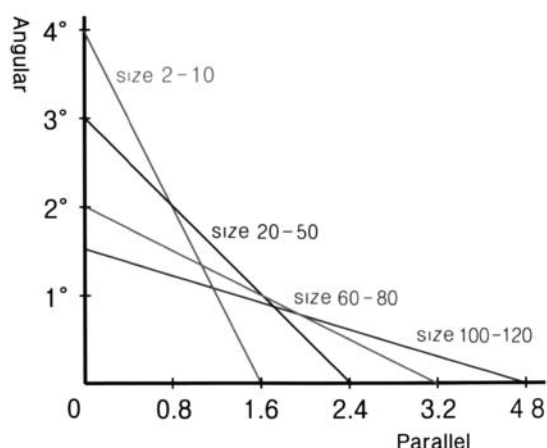
MEKKA FLEX Coupling No.	Torque (N · m)	Max. Bore (mm)	Max. rpm	Power Rating (kw/rpm)	Dimensions(mm)						
					A	B	C		D	E	F
					out dia	hub length	Min. shaft spacing	Max. shaft spacing	hub dia	Total Length	
										in	out
FDS-2	22	28	7500	0.0023	89	24	91	100	47	146	149
FDS-3	42	34	7500	0.0043	102	37	85	140	59	184	216
FDS-4	64	42	7500	0.0066	116	37	85	140	66	184	216
FDS-5	110	48	7500	0.0110	137	45	89	140	80	184	228
FDS-10	167	55	7500	0.0170	162	45	89	140	93	184	228
FDS-20	267	60	4800	0.0270	184	50	67	180	114	238	280
FDS-30	421	75	4200	0.0430	210	56	54	180	138	238	293
FDS-40	634	85	3600	0.0660	241	61	41	180	168	238	307
FDS-50	882	90	3100	0.0900	279	69	28	180	207	238	319
FDS-60	1440	105	2800	0.1480	318	80	66	250	222	318	415
FDS-70	2540	120	2600	0.2620	356	85	59	250	235	318	421
FDS-80	4550	155	1800	0.4670	406	114	37	250	286	318	478

推荐采用防松螺栓 Recommended Capscrew

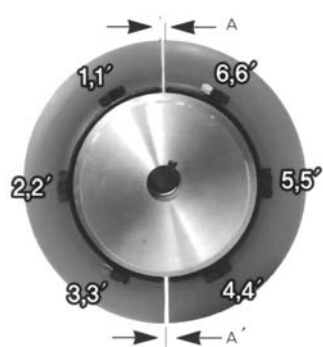
Size	Torque(kgf · m)	Size	Torque(kgf · m)
FD-2	2.3	FD-20	4.1
FD-3		FD-30	
FD-4		FD-40	
FD-5		FD-50	
FD-10		FD-100	37.7
FD-60	10.2	FD-120	
FD-70			
FD-80			

- 1.螺栓具有较高的张力及强度。 1.A bolt having the highest tension shall be used.
- 2.螺栓具有防松胶粘合剂。 2.Locktite as adhesive shall be used.
- 3.螺栓建议不要使用2次以上。 3.A bolt never use over twice.
- 4.螺栓不需要任何润滑。 4.It never treat an oil on the bolt.

安装公差 The tolerance of installation



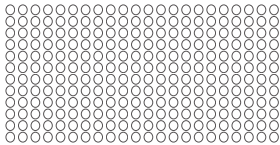
装配方法 The method of assembly



- 1.Adjust the face of A and A' at same space.
- 2.Adjust Hub' s Minimum space.
- 3.Assemble the bolts in the order of 2-2' ,5-5' ,3-3' ,4-4' ,6-6' .
- 4.Assemble the bolts in the middle part of the edge.



- 1.Adjust the face of A and A' at the same space.
- 2.Adjust Hub' s Minimum space.
- 3.Assemble the bolts in the order of 2-2' ,7-7' ,3-3' ,6-6' ,1-1' ,4-4' .
- 4.Assemble the bolts in the middle part of the edge.



服务工况系数 Service(safety)factors for each running parts

General Application	Service Factor	Industry Application	Service Factor
搅拌器 Agitator	1.5	水泥 Aggregate Processing Cement	2.0~3.0
鼓风机 Blower	1.0~1.5	啤酒饮料 Brewery&Distilling	1.0~2.0
压缩机 Compressor	1.0~2.0	食品 Food Industry	1.0~2.0
输送机 Conveyor	1.25~1.5	木工机械 Lumber Industry	1.5~2.5
起重机 Cranes&Hoist	2.0~2.5	电力设备 Power Industry	1.0~2.5
提升机 Elevators	1.0~2.0	造纸设备 Pulp&Paper Mills	1.0~3.5
风扇 Fans	1.0~2.0	橡胶工业 Rubber Industry	1.0~3.0
发电机 Generators	1.0~2.5	钢铁冶金 Steel Industry	2.0~4.5
泵 Pumps	1.0~1.5	纺织机械 Textile	1.0~2.0

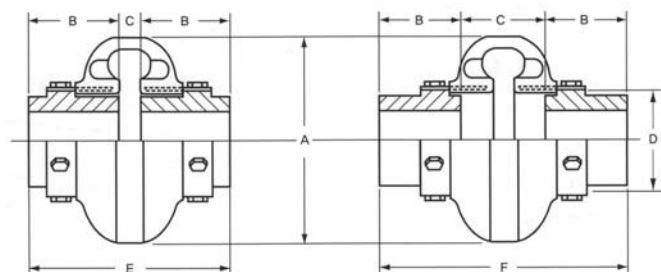
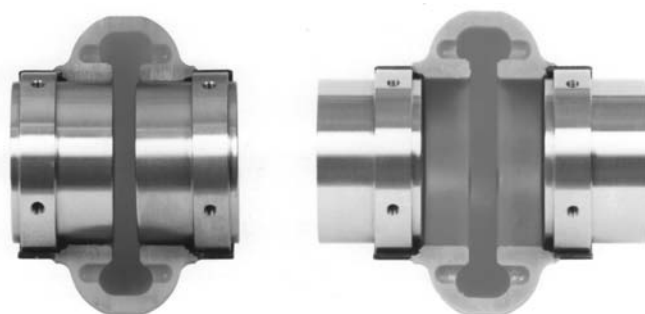
服务/安全系数 Service /Safety Factor

Running status	Service Factor
1.连续运行，轻载荷工况 For being continous running and light load weight.	1.0
2.有各种旋转变化工况 For being the various change of the rotary power.	1.5
3.不同频率的扭矩变化工况 For being various and frequent variation on the turning force.	2.0
4.不同旋转方向，有正反转的工况 For being the variation of the rotary power accompaning impact.	2.5
5.高负荷承载，带有正反转的工况 For being high impact load–weight accompaning slight retro–rotation.	3.0
6.具有高频率正反冲击载荷的 For being frequent retro–rotation accompaning high impact.	Consult (咨询本公司)



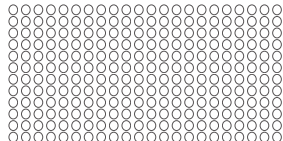
MEKKA FLEX HS COUPLING

炎热和潮湿的条件下 For hot and humid conditions



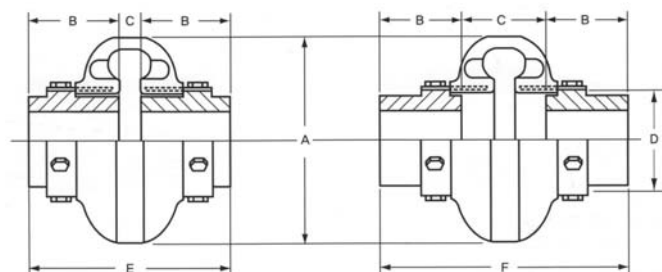
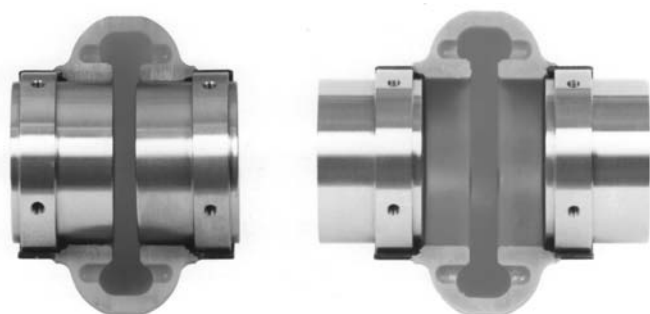
- 新开发的炎热和潮湿的条件下，优于标准的联轴器
- 简单的连接和装配
- 库存轮毂方便用户更换
- 材料水解稳定和抗腐蚀性和酸性环境
- Newly developed for hot and humid conditions and superior than standard coupling
- Simple assembling and disassembling
- Userfriendly interchangeable with existing hubs
- Materials are hydrolytically stable and resistant to caustic and acidic environments

MEKKA FLEX COUPLING NO.	Torque (N.m)	Max. Bore (mm)	Max. rpm	Power Rating (kw/rpm)	Dimensions in (mm)							Weight (kg)
					A	B	C		D	E	F	Element only
					Out dia	hub length	Min. shaft spacing	Max. shaft spacing	hub dia	Total Length		
										in	out	
FD-2HS	22	28	7500	0.0023	89	24	35	47	47	83	95	0.34
FD-3HS	42	34	7500	0.0043	102	37	9	47	59	83	121	0.42
FD-4HS	64	42	7500	0.0066	116	37	9	47	66	83	121	0.47
FD-5HS	110	48	7500	0.0110	137	45	10	52	80	100	142	0.85
FD-10HS	167	55	7500	0.0170	162	45	11	53	93	101	143	1.15
FD-20HS	267	60	6600	0.0270	184	50	15	63	114	115	163	1.61
FD-30HS	421	75	5800	0.0430	210	56	12	68	138	124	180	2.42
FD-40HS	634	85	5000	0.0660	241	61	12	74	168	134	196	3.08
FD-50HS	882	90	4200	0.0900	279	69	12	86	207	150	224	4.09
FD-60HS	1440	105	3800	0.1480	318	80	11	99	222	171	259	6.67
FD-70HS	2540	120	3600	0.2620	356	85	18	109	235	189	281	8.64
FD-80HS	4550	155	2000	0.4670	406	114	17	149	286	245	377	13.15
FD-100HS	9800	171	1900	1.0000	533	140	44	95	359	324	375	29.50
FD-120HS	19610	190	1800	2.0000	635	152	57	124	448	362	429	49.00



MEKKA FLEX HT COUPLING

高扭矩和峰值载荷 For high torque and torsional stiffness

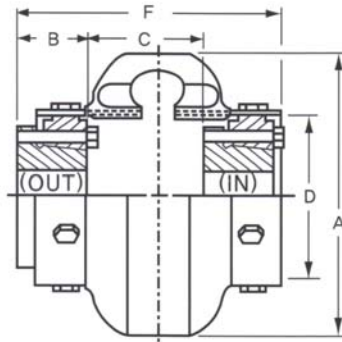


- HT系列联轴器的工作扭矩要高出标准型30%，强度要高出标准型25%。
- 简单的组成结构 方便的拆卸安装
- 与标准型轴套互换

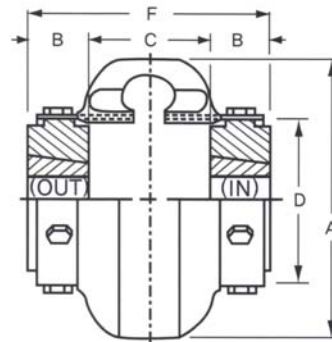
- HT coupling torque ratings is about 30% higher and torsional stiffness is 25% higher than standard coupling.
- Simple assembling and disassembling.
- Userfriendly interchangeable with existing hubs.

MEKKA FLEX COUPLING NO.	Torque (N.m)	Max. Bore (mm)	Max. rpm	Power Rating (kw/rpm)	Dimensions in (mm)							Weight (kg)
					A	B	C		D	E	F	Element only
					Out dia	hub length	Min. shaft spacing	Max. shaft spacing	hub dia	Total Length		
										in	out	
FD-2HT	28	28	7500	0.0029	89	24	35	47	47	83	95	0.34
FD-3HT	54	34	7500	0.0055	102	37	9	47	59	83	121	0.42
FD-4HT	83	42	7500	0.0085	116	37	9	47	66	83	121	0.47
FD-5HT	143	48	7500	0.0147	137	45	10	52	80	100	142	0.85
FD-10HT	217	55	7500	0.0223	162	45	11	53	93	101	143	1.15
FD-20HT	347	60	6600	0.0356	184	50	15	63	114	115	163	1.61
FD-30HT	547	75	5800	0.0561	210	56	12	68	138	124	180	2.42
FD-40HT	827	85	5000	0.0846	241	61	12	74	168	134	196	3.08
FD-50HT	1140	90	4200	0.1176	279	69	12	86	207	150	224	4.09
FD-60HT	1870	105	3800	0.1919	318	80	11	99	222	171	259	6.67
FD-70HT	3300	120	3600	0.3387	356	85	18	109	235	189	281	8.64
FD-80HT	5900	155	2000	0.6055	406	114	17	149	286	245	377	13.15
FD-100HT	12000	171	1900	1.2316	533	140	44	95	359	324	375	29.50
FD-120HT	25000	190	1800	2.5657	635	152	57	124	448	362	429	49.00

锥套快拆式



QD轴套及衬套



TAPER-LOCK (D3-D80 Drawing only)

Specification Data With QD Hubs

MEKKA FLEX COUPLING NO.	QD Bush No.	Torque (N.m)	Max. Bore (mm)	Max. rpm	Power Rating (kw/rpm)	Dimensions in (mm)							Weight (kg)
						A	B	C		D	F		
						Out dia	Hub length	In	Out	Hub dia	Total Length		
											In	Out	
FD-4	JA	64	30	7500	0.0066	116	25	31	48	66	82	99	0.95
FD-5	SH	110	35	7500	0.0110	137	32	44	48	80	108	114	1.63
FD-10	SDS	167	42	7500	0.0170	162	33	30	59	93	97	125	2.18
FD-20	SK	267	55	6600	0.0270	184	48	16	67	114	108	162	3.86
FD-30	SF	421	60	5800	0.0430	210	51	37	56	138	138	157	6.35
FD-40	E	634	75	5000	0.0660	241	67	32	44	168	165	178	10.80
FD-50	E	882	75	4200	0.0900	279	67	35	73	207	168	207	17.06
FD-60	F	1440	90	3800	0.1480	318	92	38	48	222	222	232	20.64
FD-70	J	2540	100	3600	0.2620	356	114	33	36	235	262	265	30.89
FD-80	M	4550	140	2000	0.4670	406	171	19	32	286	362	375	63.50
FD-100	M	9800	140	1900	1.0000	533	173	44	29	359	390	375	113.40
FD-120	N	10610	150	1800	2.0000	635	206	44	29	448	456	441	215.46

Note: Dimensions may vary depending on bushing manufacturer, Dimensions subject to change.

Specification Data With TAPER-LOCK Hubs

MEKKA FLEX COUPLING NO.	QD Bush No.	Torque (N.m)	Max. Bore (mm)	Max. rpm	Power Rating (kw/rpm)	Dimensions in (mm)							Weight (kg)
						A	B	C		D	F		
						Out dia	Hub length	In		Hub dia	Total Length		
FD-3	1008	42	25	7500	0.0043	102	22	43.0		59	87		0.82
FD-4	1008	64	25	7500	0.0066	116	22	43.0		66	87		1.18
FD-5	1108	110	28	7500	0.0110	137	22	56.0		80	100		1.81
FD-10	1310	167	35	7500	0.0170	162	25	52.0		93	103		2.72
FD-20	1610	267	42	6600	0.0270	184	25	63.5		114	114		4.08
FD-30	2012	421	50	5800	0.0430	210	32	65.0		138	129		6.17
FD-40	2517	634	65	5000	0.0660	241	44	60.0		168	149		9.89
FD-50	2517	882	65	4200	0.0900	279	44	76.0		207	165		14.29
FD-60	3020	1440	75	3800	0.1480	318	51	84.0		222	186		21.14
FD-70	3535	2540	100	3600	0.2620	356	89	60.0		235	238		30.25
FD-80	4040	4550	100	2000	0.4670	406	102	95.0		286	298		37.19
								In	Out		In	Out	
FD-100	4545	9800	110	1900	1.0000	533	114	38	152	359	267	381	113.40
FD-120	5050	19610	125	1800	2.0000	635	127	51	181	448	305	435	185.07

Note: Dimensions subject to change