

# Product Catalogue

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**Product Specifications are subject to change without notice.**



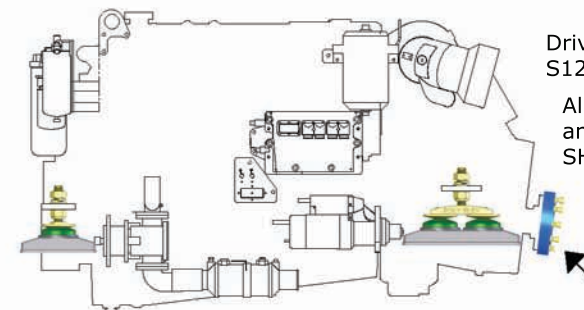
# Poly Flex Flexible Disc Transmission Couplings

## Material Specifications

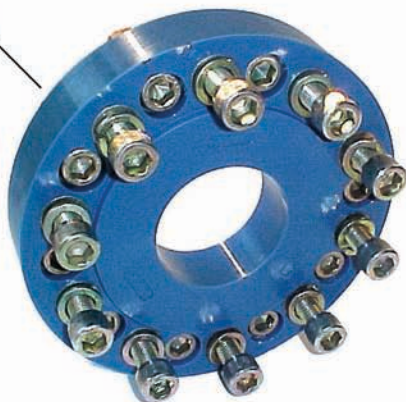
Drive bushes and threaded inserts are AS1443 S1214 Bright Steel.

All Imperial bolts are Grade 5 & 8 High Tensile and Metric bolts are Grade 8.8 High Tensile. SHCS are Grade 10 & 12 HighTensile.

All steel parts are SA5 Cobalt Zinc for extra wear and protection.



POLYMER CODE	95A	90A	80A
HARDNESS - SHORE A	95	90	83
TENSILE STRENGTH - psi	6500	4800	4500



C#8170

## Poly Flex Drive Couplings

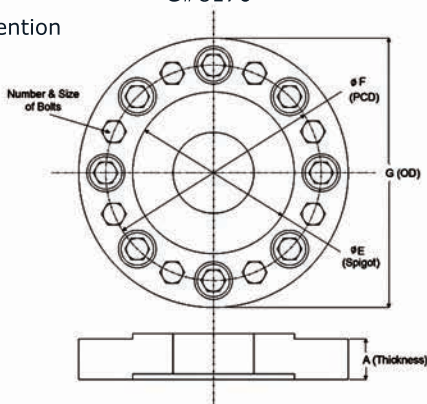
Provides a sacrificial link for driveline and gearbox protection.

Isolates torsional driveline vibration and gearbox chatter.

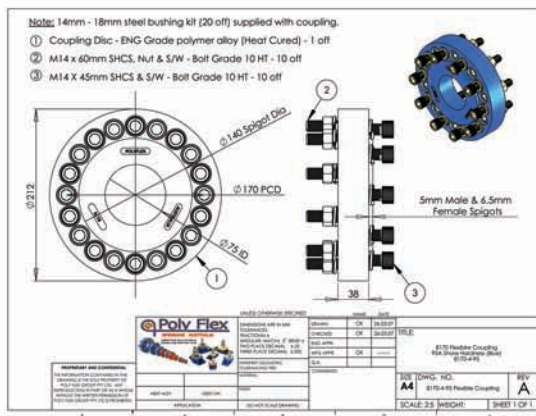
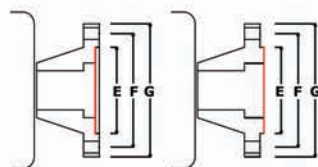
Prolongs bearing and seal life and assists in the prevention of thrust induced driveline misalignment.

Allows smoother directional changes at the gearbox.

All couplings have been tested to DNV Standards. Datasheets & DNV Certification available on request.



### Gearbox Flange Types



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# Poly Flex Couplings for 'Spicer' Series

MODEL	PCD (F)	OD (G)	No. & Size of Bolts	Spigot (E)	Thickness (A)	Flange Dia.(C)	Flange Type	Rating++ Blue(95)	Rating++ Red(90)	Rating++ Green(80)
484	3 1/8"	5"	4x3/8UNF(rect)	2 3/8"	1"	3 13/16"	A		309	171
545	3 3/4"	5 9/32"	4x7/16UNF(rect)	2 3/4"	1 1/4"	4 9/16"	A	563	335	260
547	3 3/4"	6"	4x7/16UNF(rect)	2 3/4"	1 1/4"	4 9/16"	A	563	335	260
1550	4 3/4"	7"	4X1/2UNF(rect)	3 3/4"	1 7/16"	5 3/4"	A	1200	670	360
1600	6 1/8"	8 1/2"	8x3/8UNF(45deg)	6 5/8"	1"	6 7/8"	A	2152	1536	
1700	7 1/4"	9 1/2"	8x3/8UNF(45deg)	7 3/4"	1"	9"	A	2370	1690	

Spicer" Series	Poly Flex Model
1310	484
1350	547 or 545
1410	547 or 545
1480	1550
1510	1550
1550	1550
1610	1600
1710	1700



Poly Flex Model	Coupling Bolt Tightening Torque	
	ft-lb	N-m
484	24	32
545	35	48
547	35	48
1550	40	54
1600	24	32
1700	24	32

## Important Note (1):

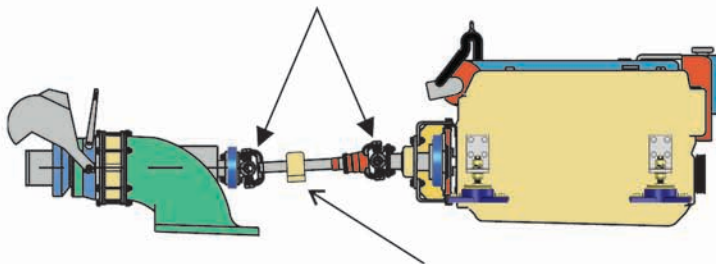
All installations of this series requires a Flywheel/Coupling/Yoke adaptor to be fitted.

## Important Note (2):

Universal Joint angle change:

Min = 1 deg - Max = 3 deg.

Universal Joint angle change shall be the same at each end of the drive shaft.



(Generic Jet Drive Installation with additional bearing support at flywheel end shown as example.)

For the protection of personnel and equipment. Intermediate support bearing for shafts 1 metre and over or a 'Tail-shaft Loop Preventer' for shafts under 1 metre between flanges.





# Flexible Disc Coupling Specification Chart

MODEL	PCD (F)	OD (G)	No. & Size of Bolts	Spigot (E)	Thickness (A)	Flange Dia.(C)	Flange Type	Rating++ Blue(95)	Rating++ Red(90)	Rating++ Green(80)	Weight kg.
303	97mm	122mm	3x3/8UNF	1" Pilot	16mm	3 leg	Plain		180		0.43
304	4"	5 1/4"	3x3/8UNF	1" Pilot	5/8"	3 leg	Plain		210		0.43
Rolco3	2 1/4"	4"	3x3/8UNF	1"	1"	3"	B	210	125		0.51
404	3 3/8"	5"	4X3/8UNF	2 1/2"	1"	4"	A	610	496	230	0.60
414	70mm	125mm	4xM8	57mm	25mm	105mm	A	610	496	230	0.62
416	85mm	152mm	6xM10	65mm	25mm	105mm	B	610	496	230	0.70
424	78mm	127mm	4xM10	50mm	25mm	105mm	A	610	496	230	0.80
434	3 1/4"	5"	4X3/8UNF	2 1/2"	1"	4"	A	610	496	230	0.76
434P	3 1/4"	5"	4X3/8UNF	2 5/8"	1"	4"	A	610	496	230	0.78
454	90mm	140mm	4xM10	60mm	25mm	100mm	A	610	496	230	0.82
464	80mm	127mm	4xM10	60mm	25mm	100mm	B	610	496	230	0.80
474	75mm	120mm	4x7/16UNF	45mm	25mm	100mm	A	703	418	325	1.20
494	74.5mm	127mm	4xM8	47mm	25mm	100mm	B	703	418	325	0.65
514	4 1/8"	6 1/8"	4x7/16UNF	2 7/8"	1 1/8"	5"	A	703	418	325	1.37
524	4 1/4"	6 1/8"	4x7/16UNF	2 1/2"	1 1/8"	5"	A	703	418	325	1.37
524IRM	4 1/4"	6 1/8"	4x7/16UNF	2 1/2"	1 1/8"	5"	A	558	378	280	1.24
534	100mm	152mm	4xM10	65mm	25mm	120mm	A	703	418	325	0.95
546	3 7/8"	6"	6x7/16UNF	2 1/2"	1 1/4"	4 3/4"	B	1560	975		1.60
546IRM	3 7/8"	6"	6x7/16UNF	2 1/2"	1 1/4"	4 3/4"	B	1360	800		1.60
556	105mm	150mm	6xM10	60mm	32mm	125mm	A	610	496		1.11
566	100mm	152mm	6xM10	75mm	25mm	125mm	A	610	496		1.12
111	125mm	7 9/16"	3+3x1/2	Pilot	33mm	150mm	Plain	850	450		2.35
616 1/2A	4 3/4"	6 3/8"	6x1/2UNC	3"	1 1/2"	5 3/4"	A	2550	1600		2.44
616 1/2B	4 3/4"	6 3/8"	6x1/2UNC	3"	1 1/2"	5 3/4"	B	2550	1600		2.44
616 5/8	4 3/4"	6 3/8"	6X5/8UNC	3"	1 1/2"	5 3/4"	B	2750	1800		2.95
636	5 3/8"	7 1/4"	6x7/16UNF	3 1/4"	1"	6 3/4"	A	1560	975		2.40
646	125mm	160mm	6xM12	80mm	32mm	160mm	A	1560	975		2.44
656	4 3/4"	6 1/16"	6x5/8UNC	3"	1 1/2"	5 3/4"	B	2550	1600		2.95
818	4 3/4"	6 5/8"	3+3x5/8	Pilot	27mm	5 3/4"	Plain	2400	1680		2.90
2206	180mm	240mm	6xM20	140mm	38.1mm	220mm	A	4000	2800		6.35
2308	230mm	318mm	8xM20	150mm	38.1mm	255mm	B	8600			11.00
2808	280mm	360mm	8x7/8UNF	200mm	50mm	345mm	A	12470			17.07
2586	220mm	300mm	6xM20	140mm	42mm	258mm	B	8000			7.40
7206 5/8	6"	8 3/8"	6x5/8UNC	3 3/4"	1 1/2"	7 1/4"	B	4200	3200		4.37
7206 3/4	6"	8 3/8"	6x3/4UNF	3 3/4"	1 1/2"	7 1/4"	B	4500	3350		4.85
7306	152mm	195mm	6xM16	100mm	36mm	184mm	B	4200			3.55
7506	160mm	240mm	6xM20	100mm	38.1mm	220mm	A	4500			4.30
7606IRM	6"	7 1/4"	6xM16 SHCS	3 3/4"	1 1/4"	6"	B	2770			2.95
7608IRM	6"	7 1/4"	8xM16 SHCS	3 3/4"	1 1/4"	6"	B	3810			3.55

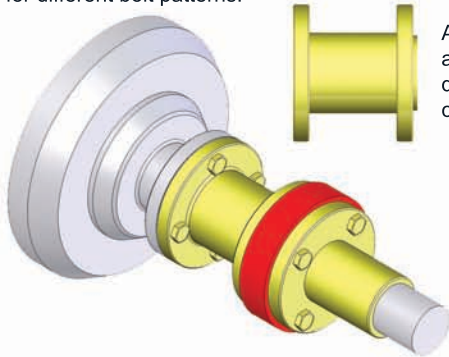


# Flexible Disc Coupling Specification Chart cont'

MODEL	PCD (F)	OD (G)	No. & Size of Bolts	Spigot (E)	Thickness (A)	Flange Dia.(C)	Flange Type	Rating++ Blue(95)	Rating++ Red(90)	Rating++ Green(80)	Weight kg.
8148	148mm	212mm	8xM14 SHCS	100mm	38mm	200mm	A	4500			4.56
8170	170mm	212mm	10xM14 SHCS	140mm	38mm	200mm	B	3500			4.56
3306	190mm	240mm	12xM14 SHCS	145mm	38mm	225mm	B	4000			5.87
9114	7 1/2"	241mm	8x5/8UNC	6"	1 1/2"	9"	B	5000			5.50
9114(3+3)	7 1/2"	241mm	6x5/8UNC	6"	1 1/2"	9"	B	4000			4.50
9858 5/8	7 1/2"	11"	8x5/8UNC	6"	1 1/2"	9"	B	6500	4500		5.66
9858 3/4	7 1/2"	11"	8x3/4UNF	6"	1 1/2"	9"	B	7000	5000		6.57
9934	200mm	280mm	8x3/4UNF	110mm	38.1mm	230mm	B	7000			6.57
10834	8 3/4"	12 1/2"	8x3/4UNF	5"	1 13/16"	10 1/2"	B	8600			9.56
11834	9 1/2"	13 1/4"	8x3/4UNF	6"	1 13/16"	11"	B	8600			10.37
11834A	9"	11 1/4"	8x3/4UNF	6"	1 13/16"	11"	B	8600			10.37
1306	130mm	162mm	6xM8	85mm	25mm	155mm	A	1000			1.50
19510	195mm	240mm	10xM8	180mm	27mm	220mm	A	1800			3.75
3408	340mm	460mm	8x1"UNS	180mm	60mm	415mm	B	30000			29.30

++ Design torque rating (Nm) = 70% of maximum allowable static torque (to allow for dynamic loads).  
CNC Machined Steel T-Bushes are available to suit various flanges.

**ADAPTOR** - To clear obstructions and to allow for different bolt patterns.



Adaptors are required in some cases to clear any obstructions at the output end of the gearbox (eg. oil pumps), and to allow different bolt patterns between the output flange and the coupling.

Note: These adaptors are normally made by marine engineering companies, from 1040 grade mild steel or equivalent and machined to the correct industry tolerance.

1. Due to the changing OEM. specifications, it is necessary to check all dimensions to ensure suitability of the coupling.

2. All Poly Flex couplings are manufactured from engineering grade heat cured polymer alloys. As this material is thermoplastic, there may be dimensional changes from those specified, depending on ambient conditions.

3. All Poly Flex couplings electrically isolate the engine / transmission from the propeller shaft.

To determine torque rating in Nm, use this formula :-

$$\frac{\text{Engine Power (KW)} \times 9550 \times \text{Reduction Ratio}}{\text{Engine RPM}}$$

or

$$\frac{\text{Engine Power (HP)} \times 7124 \times \text{Reduction Ratio}}{\text{Engine RPM}}$$

Conversion Factors:

$$\begin{aligned} 1 \text{ lb-ft} &= 1.356 \text{ Nm} \\ 1 \text{ NM} &= 0.7375 \text{ lb-ft} \end{aligned}$$

$$\begin{aligned} 1 \text{ HP} &= 0.746 \text{ KW} \\ 1 \text{ KW} &= 1.34 \text{ HP} \end{aligned}$$



# Flexible Disc Coupling Application Chart

Coupling	Gearbox
303	Arona
ROLCO 3	Rolco
404	ZF
424	Yanmar
434	Borg Warner, Hurth, Newage PRM, Technodrive, ZF
464	Volvo
494	Bukh
514	Paragon
524	Borg Warner, Hurth, Newage, Technodrive, TwinDisc, Volvo, Yanmar, ZF
534	Yanmar
546	TwinDisc, ZF
546IRM	TwinDisc, ZF
556	Yamaha
566	CMC
616 1/2A	Hurth, Newage PRM
616 1/2B	Borg Warner, Hurth, Newage
616 5/8	Newage PRM, TwinDisc, Technodrive, ZF
636	Paragon
656	Newage PRM, TwinDisc, Technodrive, ZF
2206	Various High Torque Application
2308	Various High Torque Application
2808	Various High Torque Application
3306	ZF
3408	Various High Torque Application
7206 5/8	Newage PRM, TwinDisc, ZF
7206 3/4	Newage PRM, TwinDisc, ZF
7606IRM	Newage PRM, TwinDisc, ZF
7608IRM	Newage PRM, TwinDisc, ZF
8148	Yamaha
8170	ZF
9114	TwinDisc
9114 (3+3)	TwinDisc
9858 5/8	Capitol, Tonanco, TwinDisc, Technodrive, ZF
9858 3/4	Capitol, Tonanco, TwinDisc, Technodrive, ZF
9934	TwinDisc
10834	Various High Torque Application
11834	Various High Torque Application



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Marine Products

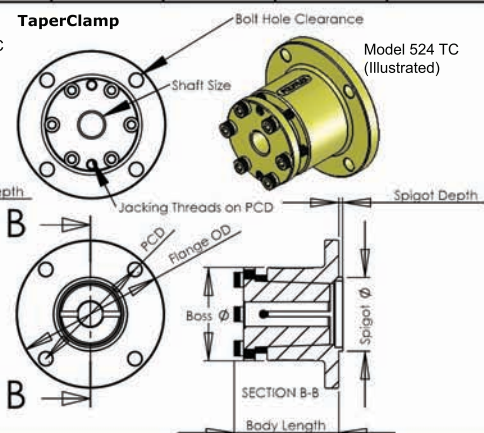
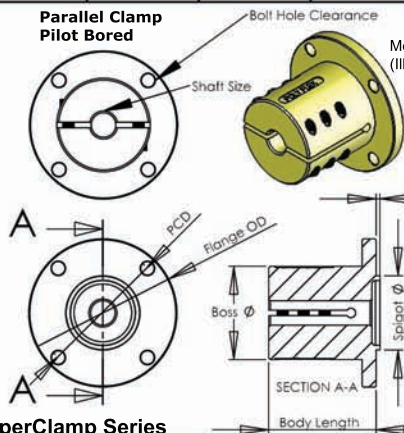


# Poly Flex Steel Half Couplings & TaperClamps

## Parallel Clamp & Pilot Bored Series

Poly Flex also caters for custom made half couplings.

Model	Flange OD	PCD	Bolt Hole Clearance	Spigot Diameter	Spigot Depth	Shaft Size	Body Length	Boss Diameter
424	101.6mm	78mm	4 x 11mm	49.95mm	male 3.2mm	16 - 38mm 5/8 - 1 1/2	89mm	70mm
434	101.6mm	82.55mm	4 x 10.5mm	63.45mm	male 3.2mm	16 - 38mm 5/8 - 1 1/2	89mm	70mm
464	101.6mm	80mm	4 x 10.5mm	60.05mm	female 4mm	16 - 38mm 5/8 - 1 1/2	89mm	70mm
524	127mm	107.95mm	4 x 11.5mm	63.45mm	male 3.2mm	22 - 50mm 7/8 - 2"	93mm	80mm
534	127mm	100mm	4 x 10.5mm	64.95mm	male 3.2mm	22 - 50mm 7/8 - 2"	93mm	80mm
546	120.6mm	98.425mm	6 x 11.5mm	63.45mm	female 4mm	22 - 63mm 7/8 - 2 1/2"	116mm	95mm
616 1/2" A	152.4mm	120.65mm	6 x 13mm	76.15mm	male 6mm	25 - 76mm 1" - 3"	135mm	120mm
616 1/2 B	152.4mm	120.65mm	6 x 13mm	76.25mm	female 6mm	25 - 76mm 1" - 3"	135mm	120mm
616 5/8	152.4mm	120.65mm	6 x 16.5mm	76.25mm	female 6mm	25 - 76mm 1" - 3"	135mm	120mm



## TaperClamp Series

Model	Flange OD	PCD	Bolt Hole Clearance	Spigot Diameter	Spigot Depth	Shaft Size	Body Length	Boss Diameter
424	101.6mm	78mm	4 x 11mm	49.95mm	male 3.2mm	16 - 38mm 5/8 - 1 1/4	75mm	65mm
434	101.6mm	82.55mm	4 x 10.5mm	93.45mm	male 3.2mm	16 - 38mm 5/8 - 1 1/4	75mm	65mm
464	101.6mm	80mm	4 x 10.5mm	60.05mm	female 4mm	16 - 38mm 5/8 - 1 1/4	75mm	65mm
524	127mm	107.95mm	4 x 11.5mm	63.45mm	male 3.2mm	22 - 50mm 7/8 - 1 3/4"	93mm	80mm
534	127mm	100mm	4 x 10.5mm	64.95mm	male 3.2mm	22 - 50mm 7/8 - 1 3/4"	93mm	80mm



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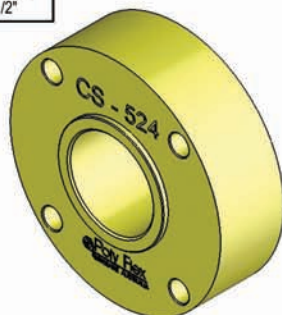
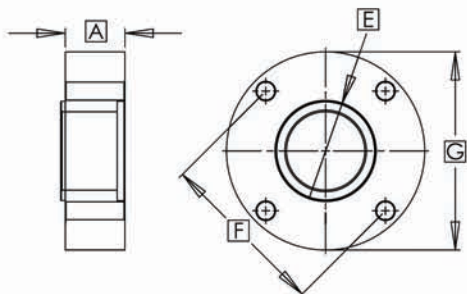
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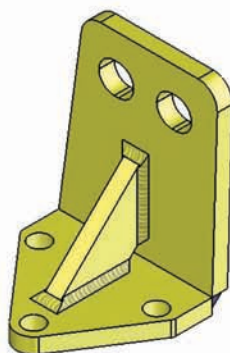
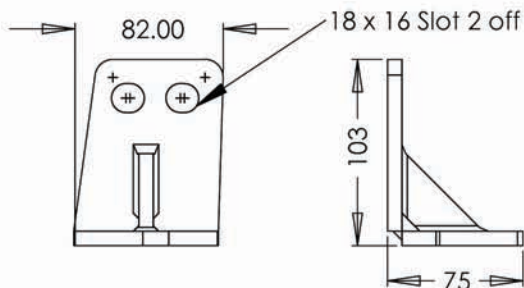
# Poly Flex Coupling Spacers

## Coupling Spacers

Model	Flange OD (G)	PCD (F)	Bolt Hole Clearance	Spigot Dia (E)	Spigot Depth	Thickness (A)
434	101.6mm	82.55mm	4 x 10.5mm	93.45mm	3.2mm	30mm
524	127mm	107.95mm	4 x 11.5mm	63.45mm	3.2mm	38.1mm 1 1/2"
534	127mm	100mm	4 x 10.5mm	64.95mm	3.2mm	38.1mm 1 1/2"

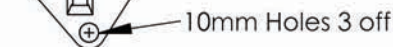


## Volvo Engine Brackets (2000 Series)



Volvo Series Engine Brackets  
to suit Volvo 2001, 2002, 2003  
Marine Engines.

All dimensions are in mm.



This Bracket and Mount System allows the change over of original Volvo supplied angle mounts to the conventional Poly Flex system with excellent results.

The package consists of:

- 1 x Pair of Engine Brackets for front mounts
- 2 x Front Mount - P#4.5CTF60-15-16(60)
- 2 x Rear Mount - P#4.9CTF60-15-16(60)



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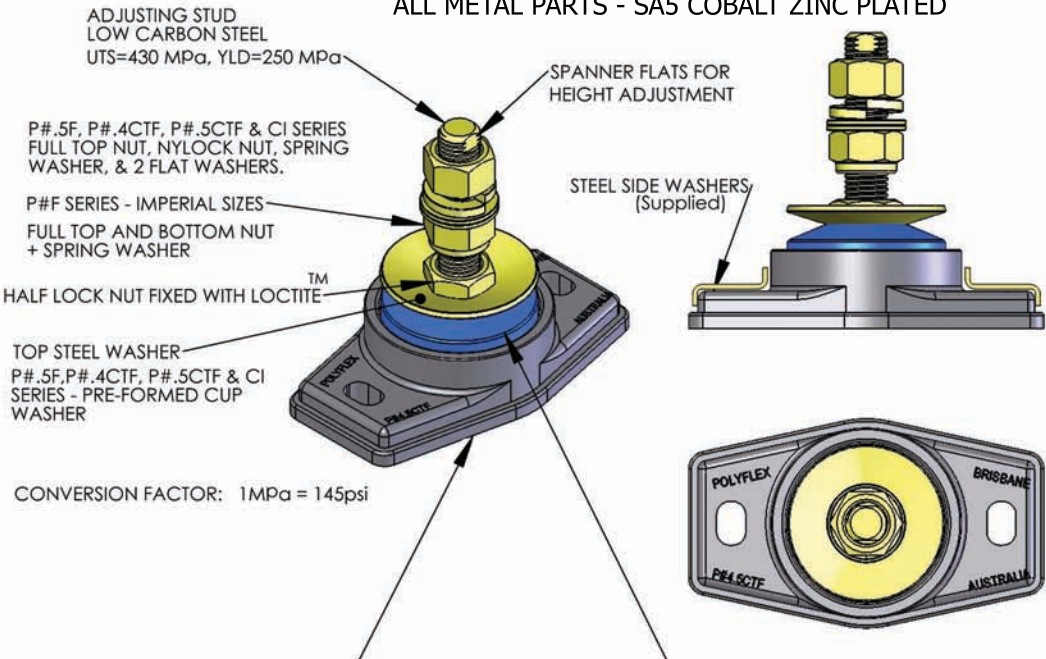
**Poly Flex**  
Marine Products



# Engine, GEN-SET & Machinery Mounting Systems

## MATERIAL SPECIFICATIONS

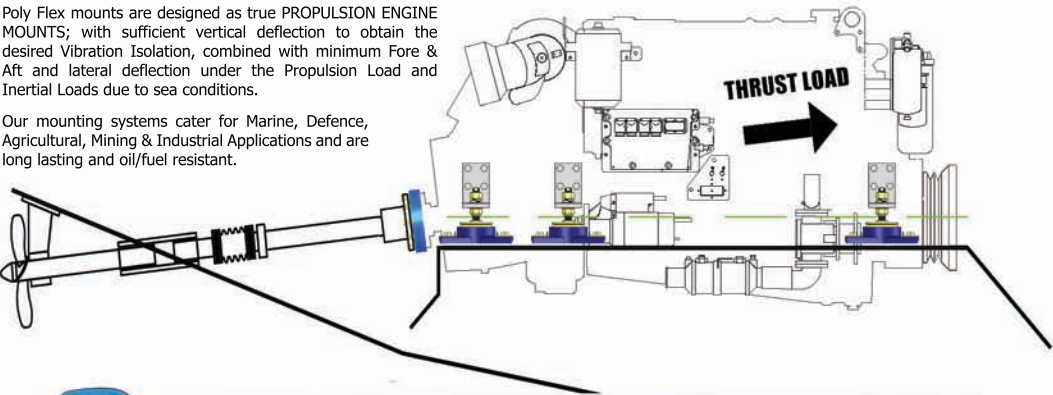
ALL METAL PARTS - SA5 COBALT ZINC PLATED



	BASES	CORES					
POLYMER CODE	70D	50A	60A	70A	80A	90A	95A
SHORE HARDNESS	70-D	50-A	60-A	70-A	80-A	90-A	95-A
TENSILE STRENGTH- psi	7000	2900	3480	4060	5220	4930	6496

Poly Flex mounts are designed as true PROPULSION ENGINE MOUNTS; with sufficient vertical deflection to obtain the desired Vibration Isolation, combined with minimum Fore & Aft and lateral deflection under the Propulsion Load and Inertial Loads due to sea conditions.

Our mounting systems cater for Marine, Defence, Agricultural, Mining & Industrial Applications and are long lasting and oil/fuel resistant.



# Poly Flex Engine Mount Cross Reference Chart

Mount	Engines / Gensets
P#3.5F / CTF	1, 2, 3 Cylinder Gensets and Engines, Bukh, Beta, Nanni, Lombadini, etc. . .
P#4.5F / CTF	2, 3, 4 Cylinder Gensets and Engines, Mercruiser, Nanni, Perkins, Volvo, etc. . .
P#5.5F / CTF	Volvo, Kubota, Nanni, Lombadini, Ford, etc. . .
P#6.8F / CTF	Volvo, Cummins, Isuzu, Perkins, Ford, etc. . .
P#7.5F / CTF	Volvo, Cummins, Yanmar, Perkins Ford, Fiat Iveco, John Deere, etc. . .
P#8.5(5")F / CTF	Cummins, Caterpillar, Detroit, John Deere, MAN, MTU, etc. . .
P#8.5F / CTF	Cummins, Caterpillar, Fiat Iveco, Gardener, Nanni, Perkins, Ford, etc. . .
P##8.5F / CTF	Cummins, Caterpillar, Fiat Iveco, Gardener, Nanni, Perkins, Ford, etc. . .
P#8.8F / CTF	Yanmar, etc. . .
P#10.5F / CTF	Volvo, Caterpillar, Yanmar, Cummins, etc. . .
P#12.5F / CTF	Caterpillar, MTU, MAN, Cummins, Detroit, Fiat Iveco, Gardener, John Deere, etc. . .
P##12.5F / CTF	Caterpillar, MTU, MAN, Cummins, Detroit, Fiat Iveco, Gardener, John Deere, etc. . .
<b>White Mounts</b>	
P#12.5F	Caterpillar C32Acert
P##12.5F	Caterpillar C32Acert
Ci1050	Caterpillar C7 - C18 Marine Diesel
CiD1050	Caterpillar C7 - C18 Marine Diesel
Y#1CTF	IGM10
Y#1.5CTF	IGM10
Y#2CTF	2GM20, 2GM20F, 3GM30, 3GM30F, 3JH2BE, 3JH2TBE, 3JH2TE, 4JH2BE, 4JH2TBE, 4JH2HTE, 4JH2DTE, 4JH2UTBE, 4JH2UTE, 4LHTE
Y#2.5CTF	2GM20, 2GM20F, 3GM30, 3GM30F, 3JH2BE, 3JH2TBE, 3JH2TE, 4JH2BE, 4JH2TBE, 4JH2HTE, 4JH2DTE
Y#3CTF	4LHTE, 4LHDE





# Poly Flex Engine Mounts: .5 & .8 CTF Series

Dimensional Specifications:

Dimensions in (mm) unless otherwise stated

(Approx Shipping)

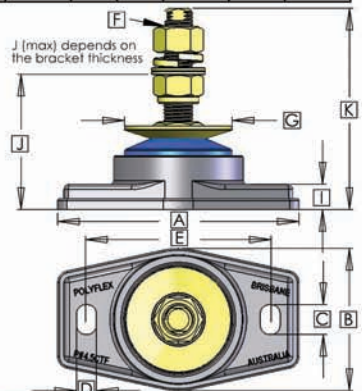
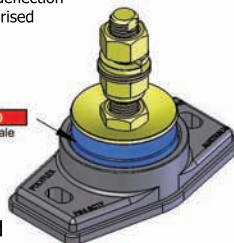
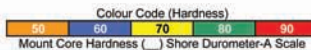
Model	Working Load (kg)*	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (kg)
P#2.5CTF50-15-12	35-125	105	64	13	9	76.2 (3")	M12	50	~	14	63	102	0.4
P#2.5CTF50-15-14	35-125	105	64	13	9	76.2 (3")	M14	50	~	14	66.5	107	0.52
P#2.5CTF50-15-16	35-125	105	64	13	9	76.2 (3")	M16	50	~	14	68.5	109	0.52
P#3.5CTF60-15-12	50-150	119	71	~	10	90 (3 1/2")	M12	60	~	14	63	102	0.4
P#3.5CTF60-15-14	50-150	119	71	~	10	90 (3 1/2")	M14	60	~	14	66.5	107	0.52
P#3.5CTF60-15-16	50-150	119	71	~	10	90 (3 1/2")	M16	60	~	14	68.5	109	0.52
P#3.5CTF60-15-16L	50-150	119	71	~	10	90 (3 1/2")	M16	60	~	14	68.5	125	0.52
P#4.5CTF60-15-12	50-150	131	77.5	16	10.5	101.6 (4")	M12	60	~	14	63	102	0.4
P#4.5CTF60-15-14	50-150	131	77.5	16	10.5	101.6 (4")	M14	60	~	14	66.5	107	0.52
P#4.5CTF60-15-16	50-150	131	77.5	16	10.5	101.6 (4")	M16	60	~	14	68.5	109	0.52
P#4.8CTF60-15-12	50-150	151	103	16	10.5	120	M12	60	~	15	63.5	102	0.45
P#4.8CTF60-15-16	50-150	151	103	16	10.5	120	M16	60	~	15	77	109	0.67
P#4.8CTF60-15-16L	50-150	151	103	16	10.5	120	M16	60	~	15	77	132	0.84
P#4.9CTF60-15-12	50-150	155	77.5	16	10.5	125	M12	60	~	14	83	129	0.49
P#4.9CTF60-15-16	50-150	155	77.5	16	10.5	125	M16	60	~	14	93	136	0.48
P#5.5CTF65-20-16	75-150	137	84	23	11	105 (4 1/8")	M16	65	~	23	87	132	0.65
P#5.5CTF65-20-20	75-150	137	84	23	11	105 (4 1/8")	M20	65	~	23	94	172	0.7
P#6.5CTF73-20-16	100-200	164	87	20	13	127 (5")	M16	73	~	18	83	136	0.87
P#6.5CTF73-20-20	100-200	164	87	20	13	127 (5")	M20	73	~	18	88	151	0.96
P#6.8CTF80-20-16	125-250	164	98	20	13	127 (5")	M16	80	~	17	83	135	1.1
P#6.8CTF80-20-20	125-250	164	98	20	13	127 (5")	M20	80	~	17	89	135	1.26
P#6.8CTF80-20-24	125-250	164	98	20	13	127 (5")	M24	80	~	17	95	135	1.47
P#7.5CTF73-20-20	100-200	179	87	30	13	140 (5 1/2")	M16	73	~	17	81	136	0.88
P#7.5CTF73-20-20	100-200	179	87	30	13	140 (5 1/2")	M20	73	~	17	85	151	0.99
P#8.5CTF(5")90-30-20	175-300	193	107	25	14.5	127 (5")	M20	90	~	18.5	105	163	1.37
P#8.5CTF(5")90-30-24	175-300	193	107	25	14.5	127 (5")	M24	90	~	18.5	109	165	1.62
P#8.5CTF90-30-20	175-300	176	107	25	13.5	140(5 1/2")	M20	90	~	17	105	163	1.37
P#8.5CTF90-30-24	175-300	176	107	25	13.5	140 (5 1/2")	M24	90	~	17	109	188	1.62
P#8.8CTF90-30-20	175-300	210	103	25	18.5	170	M20	90	~	17	105	188	2.16
P#8.8CTF90-30-24	175-300	210	103	25	18.5	170	M24	90	~	17	109	193	2.36
P#9.5CTF100-25-20	200-350	209	117	34	17	160	M20	100	~	18	99	161	1.94
P#9.5CTF100-25-24	200-350	209	117	34	17	160	M24	100	~	18	107	175	2.14
P#10.5CTF105-25-20	200-500	232	122	34	17	182	M20	105	~	18	99	161	1.9
P#10.5CTF105-25-24	200-500	232	122	34	17	182	M24	105	~	18	107	185	2
P#12.5CTF125-30-20	250-900	230	142	26	17	180 (7")	M20	125	~	19.5	104	173	2.32
P#12.5CTF125-30-24	250-900	230	142	26	17	180 (7")	M24	125	~	19.5	114	183	2.57
P#14.5CTF160-45-24	200-1075	330	200	135	22	270	M24	160	~	38	135	220	6.8
P#14.5CTF160-45-24A	200-1075	330	200	135	22	270	M24	160	~	38	133	212	6.8
P#14.5CTF160-45-30	200-1075	330	200	135	22	270	M30	160	~	38	142	242	7.8

\* Working loads stated are at 5.0mm static deflection for the range of hardnesses available.

- Note:
1. An increased load will produce a larger static deflection.
  2. In general the max. capacity of the mounts = 4 x Working Load.

Dimensions and Specifications are subjected to change without notice.

Data Sheets of axial, thrust and lateral load versus deflection are available on request from Poly Flex or any authorised distributor.



P#4.5CTF 60-15-16 (60) Illustrated





# Engine Mounts: .4 CTF Series

Dimensional Specifications:

Dimensions in (mm) unless otherwise stated

(Approx Shipping)

Model	Working Load (kg)*	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (kg)
P#5.4CTF65-20-16	75-150	150	80	15.5	10.5	100 - 4"	M16	65	~	15	83	130	0.86
P#5.4CTF65-20-20	75-150	150	80	15.5	10.5	100 - 4"	M20	65	~	15	89	142	1.05
P#6.4CTF73-20-16	100-200	180	96	19.5	13.5	127(5")	M16	73	~	15	85	135	0.96
P#6.4CTF73-20-20	100-200	180	96	19.5	13.5	127(5")	M20	73	~	15	94	150	1.1
P#7.4CTF80-20-16	125-250	193	96	19.5	13.5	140(5 1/2")	M16	80	~	15	83	135	1
P#7.4CTF80-20-20	125-250	193	96	19.5	13.5	140(5 1/2")	M20	80	~	15	87	143	1.2
P#8.4CTF90-30-20	175-300	193	107	25	14.5	140(5 1/2")	M20	90	~	18.5	105	163	1.37
P#8.4CTF90-30-24	175-300	193	107	25	14.5	140(5 1/2")	M24	90	~	18.5	109	165	1.615
P#8.4CTF90-30-24 Yw	175-300	193	107	25	14.5	140(5 1/2")	M24	90	~	18.5	109	165	1.62
P#9.4CTF100-25-20	200-350	230	120	25	17	160	M20	100	~	17	99	161	2
P#9.4CTF100-25-24	200-350	230	120	25	17	160	M24	100	~	17	107	175	2.15
P#10.4CTF105-25-20	200-500	250	124	25	17	182	M20	105	~	17	99	161	2.1
P#10.4CTF105-25-24	200-500	250	124	25	17	182	M24	105	~	17	107	185	2.3
P#12.4CTF125-30-20	250-900	230	142	26	17	180(7")	M20	125	~	19.5	104	173	2.32
P#12.4CTF125-30-24	250-900	230	142	26	17	180(7")	M24	125	~	19.5	111	183	2.57

\* Working loads stated are at 2.5mm static deflection for the range of the hardness available.

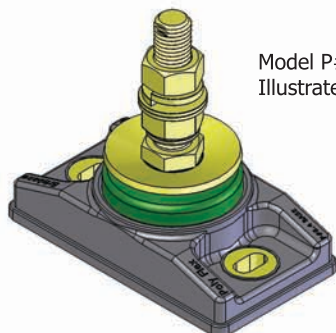
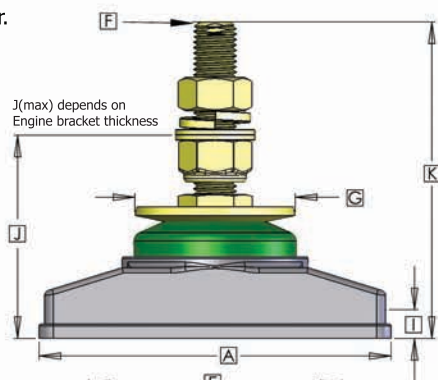
Note: 1. An increased load will produce a larger static deflection.

2. In general the maximum capacity of the mounts = 4 x Working Load.

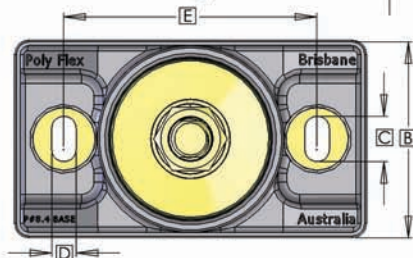
Data sheets on Axial and Thrust load versus deflection are available on request from Poly Flex or any authorised dealer.

Coulour Code	50	60	70	80	90
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Mount Core Hardness = Shore Durometer-A Scale



Model P#8.4CTF90-30-24(80)  
Illustrated



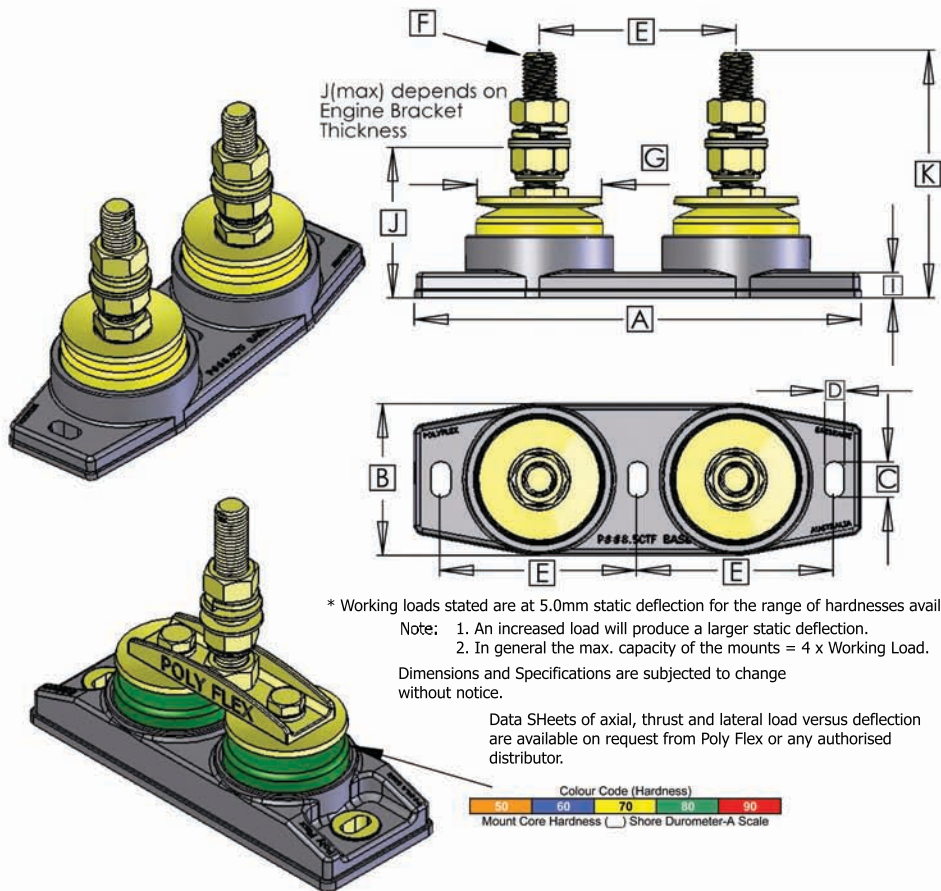
# Engine Mounts: Double .4 & .5 CTF Series

Dimensional Specifications:

Dimensions in (mm) unless otherwise stated

(Approx Shipping)

Model	Working Load (kg)*	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (kg)
P##8.4CTF90-30-20	350-600	302	107	25	14.5	250/110	M20	90	~	18.5	100	165	3.8
P##8.4CTF90-30-24	350-600	302	107	25	14.5	250/110	M24	90	~	18.5	110	170	3.8
P##8.4CTF90-30-20 Bridge Mount	350-600	302	107	25	14.5	250	M20	90	~	18.5	122	225	4.1
P##8.4CTF90-30-24 Bridge Mount	350-600	302	107	25	14.5	250	M24	90	~	18.5	132	200	4.1
P##8.5CTF90-30-20	350-600	316	107	25	13.5	140(5 1/2")	M20	90	~	17	106	163	2.8
P##8.5CTF90-30-24	350-600	316	107	25	13.5	140(5 1/2")	M24	90	~	17	108	165	3
P##12.4CTF125-30-20	500-1800	416	141	26	17	350/155	M20	125	~	18.5	104	173	4.2
P##12.4CTF125-30-24	500-1800	416	141	26	17	350/155	M24	125	~	18.5	111	183	4.5
P##12.5CTF125-30-20	500-1800	410	142	26	17	180(7")	M20	125	~	19.5	104	173	4.5
P##12.5CTF125-30-24	500-1800	410	142	26	17	180(7")	M24	125	~	19.5	114	183	4.5



# Poly Flex Engine Mounts: .5 CTF Genset

## Dimensional Specifications:

Dimensions in (mm) unless otherwise stated

(Approx Shipping)

Model	Working Load (kg)*	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (kg)
P#2.5CTF50-15-12GEN	35-125	105	64	13	9	76.2(3")	M12	50	49	14	~	95	0.4
P#3.5CTF60-15-12GEN	50-150	119	71	~	10	90(3 1/2")	M12	60	49	14	~	95	0.4
P#4.5CTF60-15-12GEN	50-150	131	77.5	16	10.5	101.6(4")	M12	60	49	14	~	95	0.4
P#5.5CTF65-20-16GEN	75-150	137	84	23	11	105(4 1/8")	M16	65	68	18	~	125	0.645
P#6.5CTF73-20-16GEN	100-200	164	87	20	13	127(5")	M16	73	68	18	~	125	0.865
P#6.8CTF80-20-20GEN	125-250	164	98	20	13	127(5")	M20	80	70	17	~	125	0.95
P#7.5CTF73-20-16GEN	100-200	179	87	30	13	140(5 1/2")	M16	73	67	17	~	125	0.88
P#8.5CTF90-30-20GEN	175-300	176	107	25	13.5	140(5 1/2")	M20	90	80	17	~	143	1.37
P#10.5CTF105-25-20GEN	200-450	232	122	34	17	182	M20	105	83	18	~	146	1.895

\* Working loads stated are at 2.5mm static deflection for the range of the hardness available.

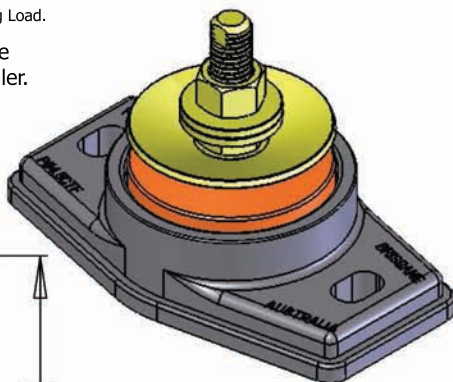
Note: 1. An increased load will produce a larger static deflection.

2. In general the maximum capacity of the mounts = 4 x Working Load.

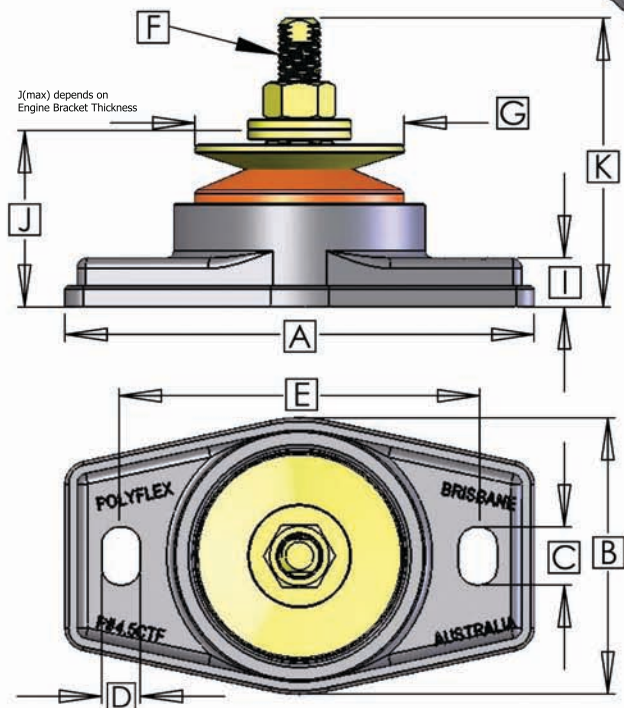
Data sheets on Axial and Thrust load versus deflection are available on request from Poly Flex or any authorised dealer.

Colour Code	50	60	70	80	90
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Mount Core Hardness = Shore Durometer-A Scale



P#4.5ctF 60-15-12 (50) GEN Illustrated





# Poly Flex Engine Mounts: Ci Series

## Poly Flex **Ci Series** Anti Vibration Mounting System

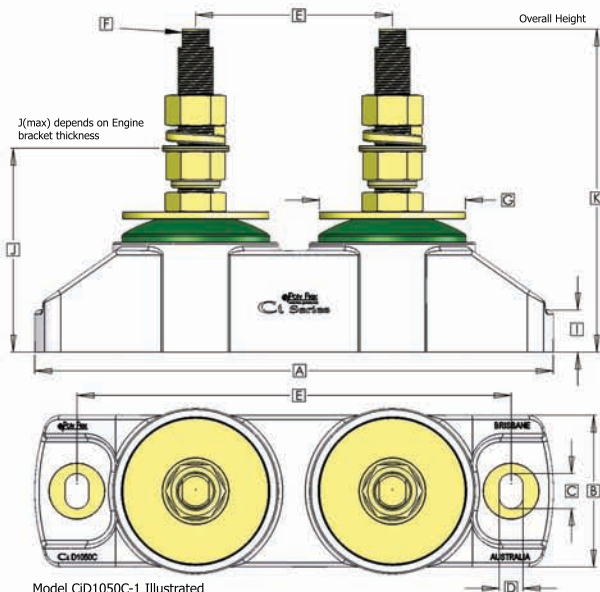
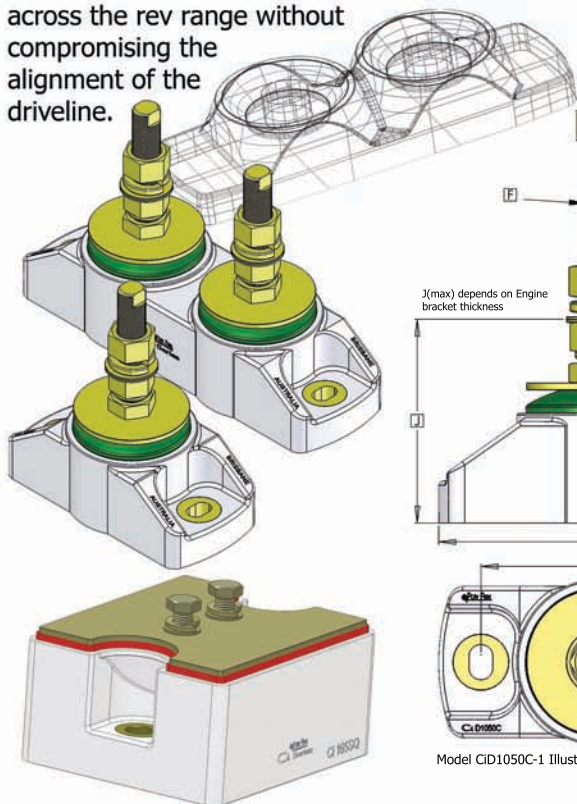
High Performance mounts for High Performance marine diesel engines with increased control of thrust and lateral deflection demanded by the new generation of engines.

True marine mounts to isolate vibration across the rev range without compromising the alignment of the driveline.

Data sheets on Axial and Thrust load versus deflection are available on request from Poly Flex or any authorised dealer.

Coulour Code	50	60	70	80	90
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Mount Core Hardness = Shore Durometer-A Scale



## Poly Flex **Ci** Caterpillar Replacement Series Mounts

Dimensional Specifications:

Dimensions in (mm) unless otherwise stated

(Approx Shipping)

Model	Working Load (kg)*	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (kg)
Ci1050C-1	100-500	229	118	25.4	17.5	166	1"UNF	105	~	30	142	230	3.3
CID1050C-1	150-1000	369	118	25.4	17.5	309 / 140	1"UNF	105	~	30	142	230	5.9
Ci165SQ	800-2000	225	190	~	22.2	165	16	~	~	38	112	~	7.3

\* Working loads stated are at 5.0mm static deflection for the range of hardnesses available.

Note: 1. An increased load will produce a larger static deflection.

2. In general the max. capacity of the mounts = 4 x Working Load.



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# Poly Flex Engine Mounts: .5 Series

## Dimensional Specifications:

Dimensions in (mm) unless otherwise stated

(Approx Shipping)

Model	Working Load (kg)*	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (kg)
PH2.5F50-11-12	35-125	99	58	13	9	76.2 (3")	M12	50	~	11	56	95	0.4
PH2.5F50-11-14	35-125	99	58	13	9	76.2 (3")	M14	50	~	11	60.5	100	0.52
PH2.5F50-11-16	35-125	99	58	13	9	76.2 (3")	M16	50	~	11	61.5	102	0.52
PH3.5F60-11-12	50-150	113	64.5	~	10	90 (3 1/2")	M12	60	~	11	56	95	0.4
PH3.5F60-11-14	50-150	113	64.5	~	10	90 (3 1/2")	M14	60	~	11	60.5	100	0.52
PH3.5F60-11-16	50-150	113	64.5	~	10	90 (3 1/2")	M16	60	~	11	61.5	102	0.52
PH3.5F60-11-16L	50-150	113	64.5	~	10	90 (3 1/2")	M16	60	~	11	61.5	118	0.52
PH4.5F60-11-12	50-150	125	70	16	10.5	101.6 (4")	M12	60	~	11	56	95	0.4
PH4.5F60-11-14	50-150	125	70	16	10.5	101.6 (4")	M14	60	~	11	60.5	100	0.52
PH4.5F60-11-16	50-150	125	70	16	10.5	101.6 (4")	M16	60	~	11	61.5	102	0.52
PH4.5F62-11-12	135-250	125	70	16	10.5	101.6 (4")	M12	62	~	11	56	95	0.4
PH4.5F62-11-14	135-250	125	70	16	10.5	101.6 (4")	M14	62	~	11	60.5	100	0.52
PH4.5F62-11-16	135-250	125	70	16	10.5	101.6 (4")	M16	62	~	11	61.5	102	0.52
PH4.6F60-11-12	50-150	138	70	16	10	110	M12	60	~	11	56	95	0.41
PH4.6F60-11-14	50-150	138	70	16	10	110	M14	60	~	11	60.5	100	0.53
PH4.6F60-11-16	50-150	138	70	16	10	110	M16	60	~	11	61.5	102	0.54
PH4.6F62-11-12	135-250	138	70	16	10	110	M12	62	~	11	56	65	0.41
PH4.6F62-11-14	135-250	138	70	16	10	110	M14	62	~	11	60.5	100	0.53
PH4.6F62-11-16	135-250	138	70	16	10	110	M16	62	~	11	61.5	102	0.54
PH4.8F60-11-12	50-150	145	95.5	16	10.5	120	M12	60	~	11	56	95	0.45
PH4.8F60-11-16	50-150	145	95.5	16	10.5	120	M16	60	~	11	70	125	0.67
PH4.8F62-11-16	135-250	145	95.5	16	10.5	120	M16	62	~	11	70	125	0.84
PH4.8FV62-11-12	135-250	145	95.5	16	10.5	120	M12	62	~	11	42	77.5	0.44
PH5.5F65-11-16	75-150	133	76	23	11	105 (4 1/8")	M16	65	~	15	70	125	0.65
PH5.5F65-11-20	75-150	133	76	23	11	105 (4 1/8")	M20	65	~	15	77	155	0.7
PH5.5R/F65-11-16	75-150	137	84	23	11	105 (4 1/8")	M16	65	~	27	82	137	0.71
PH5.5R/F65-11-20	75-150	137	84	23	11	105 (4 1/8")	M20	65	~	27	89	167	0.8
PH5.8F65-11-16	75-150	146	76	20	11	115	M16	65	~	15	70	125	0.67
PH5.8F65-11-20	75-150	146	76	20	11	115	M20	65	~	15	77	155	0.73
PH6.5F73-11-16	100-200	160	83	20	13	127 (5")	M16	73	~	15	72	125	0.87
PH6.5F73-11-20	100-200	160	83	20	13	127 (5")	M20	73	~	15	77	140	0.96

\* Working loads stated are at 2.5mm static deflection for the range of the hardness available.

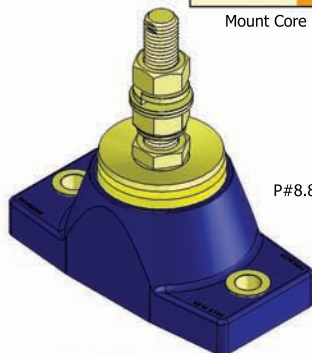
Note: 1. An increased load will produce a larger static deflection.

2. In general the maximum capacity of the mounts = 4 x Working Load.

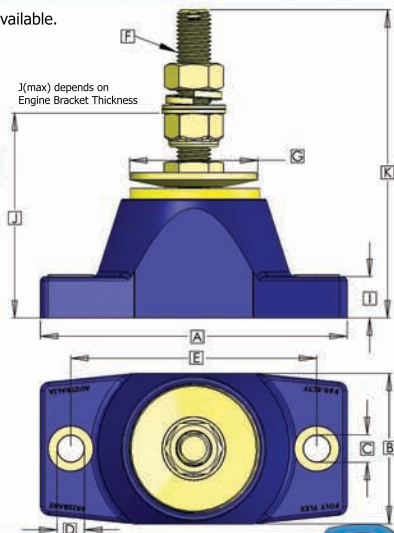
Data sheets on Axial and Thrust load versus deflection are available on request from Poly Flex or any authorised dealer.

Coulour Code 50 60 70 80 90

Mount Core Hardness = Shore Durometer-A Scale



P#8.F 90-12-24 (70) Illustrated





# Poly Flex Engine Mounts: .5 Series cont'

Dimensional Specifications:

Dimensions in (mm) unless otherwise stated

(Approx Shipping)

Model	Working Load (kg)*	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (kg)
PH6.8F80-12-16	125-250	160	94	20	13	127 (5")	M16	80	~	15	73	125	1.1
PH6.8F80-12-20	125-250	160	94	20	13	127 (5")	M20	80	~	15	79	125	1.26
PH6.8F80-12-24	125-250	160	94	20	13	127 (5")	M24	80	~	15	85	145	1.47
PH7.5F73-11-16	100-200	175	83	30	13	140 (5 1/2")	M16	73	~	15	70	125	0.88
PH7.5F73-11-20	100-200	175	83	30	13	140 (5 1/2")	M20	73	~	15	77	140	0.99
PH7.8F80-12-16	125-250	183	83	30	13	150	M16	80	~	15	73	125	1.4
PH7.8F80-12-20	125-250	183	83	30	13	150	M20	80	~	15	79	140	1.56
PH8.5F90-12-20	175-300	172	103	25	13.5	140 (5 1/2")	M20	90	~	15	85	143	1.37
PH8.5F90-12-24	175-300	172	103	25	13.5	140 (5 1/2")	M24	90	~	15	89	145	1.615
PH8.5F90-12-1"	175-300	172	103	25	13.5	140 (5 1/2")	1"UNF	90	~	15	78	140	1.625
PH8.8F90-12-24	175-300	210	103	~	18.5	170	M24	90	~	30	133	202	2.36
PH8.8F90-12-24 Yw	175-300	210	103	~	18.5	170	M24	90	~	30	133	202	2.36
PH9.5F100-12-20	200-350	205	113	34	17	160	M20	100	~	16	84	146	1.94
PH9.5F100-12-24	200-350	205	113	34	17	160	M24	100	~	16	92	146	2.14
PH10.5F105-12-20	200-500	228	118	34	17	182	M20	105	~	16	84	146	1.895
PH10.5F105-12-20A	200-500	228	118	34	17	182	M20	105	~	16	100	160	2.46
PH10.5F105-12-24	200-500	228	118	34	17	182	M24	105	~	16	92	170	2
PH10.5R/F105-12-20	200-500	238	128	34	17	182	M20	105	~	42	110	172	2.3
PH10.5R/F105-12-20A	200-500	238	128	34	17	182	M20	105	~	42	125	185	2.98
PH10.5R/F105-12-24	200-500	238	128	34	17	182	M24	105	~	42	118	196	2.5
PH12.5F125-12-20	250-900	226	138	26	17	180 (7")	M20	125	~	16	84	143	2.32
PH12.5F125-12-20A	250-900	226	138	26	17	180 (7")	M20	125	~	16	100	160	2.89
PH12.5F125-12-24	250-900	226	138	26	17	180 (7")	M24	125	~	18	91	163	2.57
PH14.5F160-20-24	200-1075	330	200	135	22	270	M24	160	~	38	110	194	6.8
PH14.5F160-20-24A	200-1075	330	200	135	22	270	M24	160	~	38	108	168	6.8
PH14.5F160-20-30	200-1075	330	200	135	22	270	M30	160	~	38	118	215	7.8

\* Working loads stated are at 2.5mm static deflection for the range of the hardness available.

Note: 1. An increased load will produce a larger static deflection.

2. In general the maximum capacity of the mounts = 4 x Working Load.

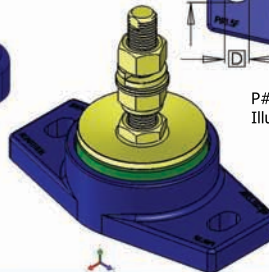
Colour Code	50	60	70	80	90
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Mount Core Hardness = Shore Durometer-A Scale

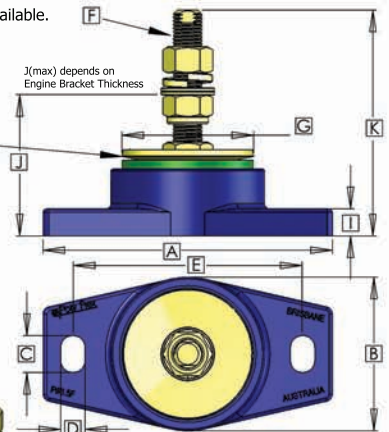
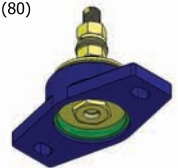
Data sheets on Axial and Thrust load versus deflection are available on request from Poly Flex or any authorised dealer.



P#14.5F 160-20-30 (90)  
Illustrated



P#6.5F 73-11-16 (80)  
Illustrated





# Poly Flex Engine Mounts: .5 Double Mount Series

Dimensional Specifications:

Dimensions in (mm) unless otherwise stated

(Approx Shipping)

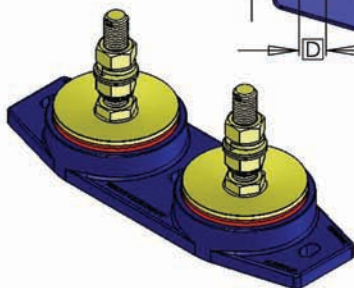
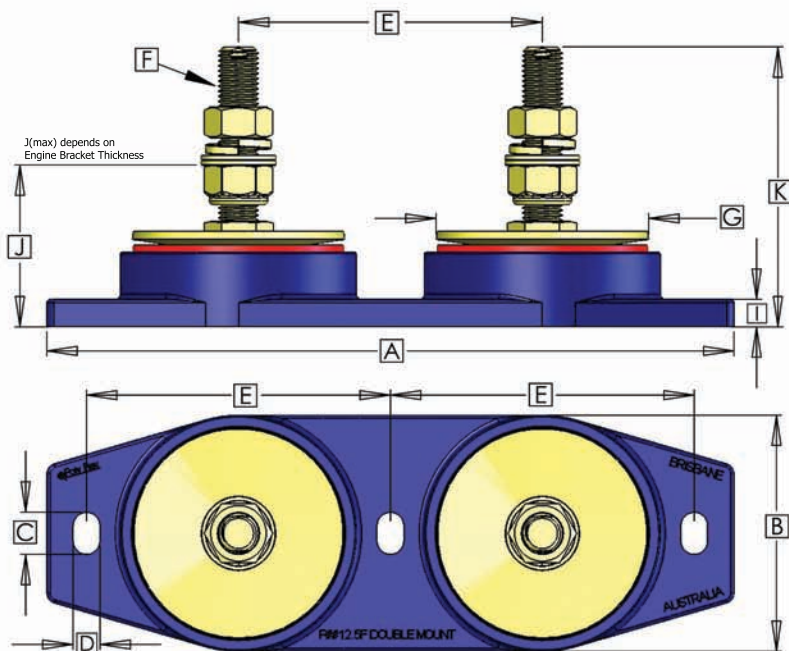
Model	Working Load (kg)*	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (kg)
P##8.5F90-12-20	350-600	312	103	25	13.5	140 (5 1/2")	M20	90	~	15	85	143	2.755
P##8.5F90-12-24	350-600	312	103	25	13.5	140 (5 1/2")	M24	90	~	15	89	145	3
P##8.5F90-12-1"	350-600	312	103	25	13.5	140 (5 1/2")	1"UNF	90	~	15	78	140	3.5
P##10.5F105-12-20	400-1000	410	118	34	17	182	M20	105	~	16	84	146	4
P##10.5F105-12-24	400-1000	410	118	34	17	182	M24	105	~	16	92	170	4.1
P##12.5F125-12-20	500-1800	408	137	25	16	180 (7")	M20	125	~	16	84	143	5
P##12.5F125-12-24	500-1800	408	137	25	16	180 (7")	M24	125	~	16	91	163	5.6
P##12.5F125-12-24A	500-1800	408	137	25	16	180 (7")	M24	125	~	16	91	163	6.2

\* Working loads stated are at 2.5mm static deflection for the range of the hardness available.

Note: 1. An increased load will produce a larger static deflection.

2. In general the maximum capacity of the mounts = 4 x Working Load.

Data sheets on Axial and Thrust load versus deflection are available on request from Poly Flex or any authorised dealer.



Colour Code	50	60	70	80	90
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Mount Core Hardness = Shore Durometer-A Scale



# Poly Flex Engine Mounts: .5 'Genset Series'

Dimensional Specifications:

Dimensions in (mm) unless otherwise stated

(Approx Shipping)

Model	Working Load (kg)*	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (kg)
P#2.5F50-11-12GEN	35-125	99	58	13	9	76.2(3")	M12	50	42	11	~	75	0.4
P#3.5F60-11-12GEN	50-150	113	64.5	~	10	90(3 1/2")	M12	60	42	11	~	75	0.4
P#4.5F60-11-12GEN	50-150	125	70	16	10.5	101.6(4")	M12	60	42	11	~	75	0.4
P#4.5F60-11-12BGEN	50-150	125	70	16	10.5	101.6(4")	M12	60	40	11	~	~	0.4
P#5.5F65-11-16GEN	75-150	129	76	23	11	105(4 1/8")	M16	65	56	15	~	95	0.645
P#6.5F73-11-16GEN	100-200	160	83	20	13	127(5")	M16	73	56	15	~	95	0.865
P#7.5F73-11-16GEN	100-200	175	83	30	13	140(5 1/2")	M16	73	56	15	~	95	0.88
P#7.5F73-11-16BGEN	100-200	175	83	30	13	140(5 1/2")	M16	73	50	15	~	~	0.88
P#8.5F80-12-20GEN	175-300	172	103	25	13.5	140(5 1/2")	M20	90	60	15	~	143	1.37
P#10.5F105-12-20GEN	200-450	228	118	34	17	182	M20	105	68	16	~	146	1.895
P#10.5F105-12-20BGEN	200-450	228	118	34	17	182	M20	105	68	16	~	~	1.895

GEN denotes Stud Type : BGEN denotes Bolt Type.

\* Working loads stated are at 2.5mm static deflection for the range of the hardness available.

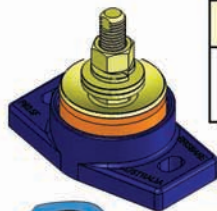
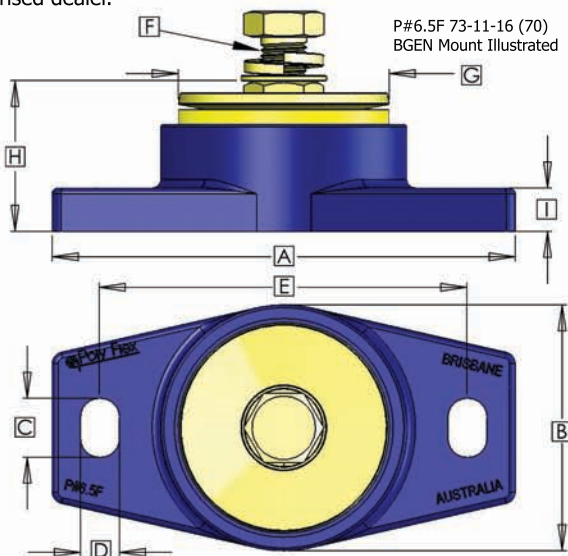
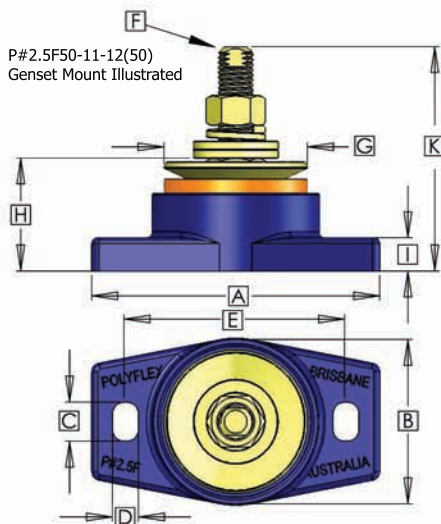
Note: 1. An increased load will produce a larger static deflection.

2. In general the maximum capacity of the mounts = 4 x Working Load.

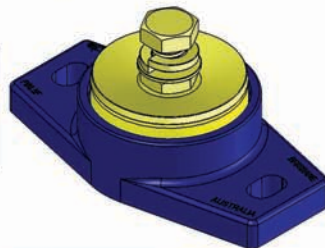
Data sheets on Axial and Thrust load versus deflection are available on request from Poly Flex or any authorised dealer.

Colour Code	50	60	70	80	90
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Mount Core Hardness = Shore Durometer-A Scale



Model	Interchangeable with:
P#4.5F60-11-12BGEN	Cushyfloat M1716001 (100mm)
P#7.5F73-11-16BGEN	Cushyfloat M1716091 (140mm)
P#10.5F105-12-20BGEN	Cushyfloat M1716571 (182mm)

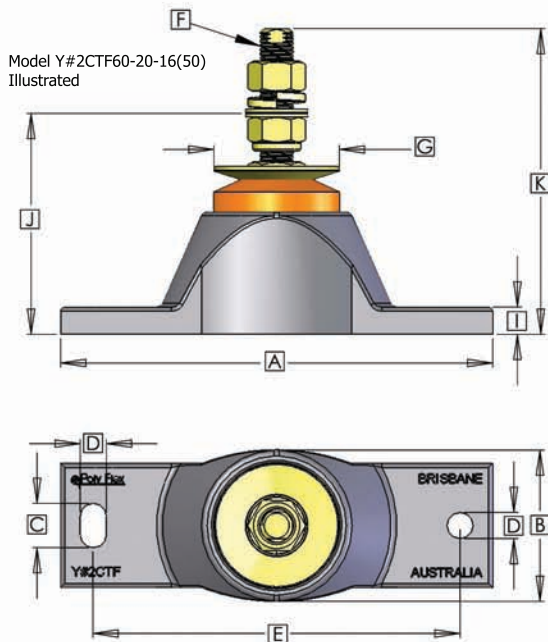


# Poly Flex Engine Mounts: Y - Series

All dimensions in mm. unless otherwise stated.

Model	A	B	C	D	E	F	G	H	I	J (min)	K	Weight (Kg)
Y#1CTF50-11-14	160	63	20	12.5	127	M14	50	~	10	84	132	0.82
Y#1.5CTF50-15-14	160	63	20	12.5	127	M14	50	~	10	84	132	0.82
Y#2CTF60-20-16	204	71	21	12.5	174	M16	60	~	13	98	145	0.84
Y#2.5CTF60-24-16	204	71	21	12.5	174	M16	60	~	13	98	145	0.84
Y#3CTF60-20-16	214	71	21	12.5	184	M16	60	~	13	98	145	0.86

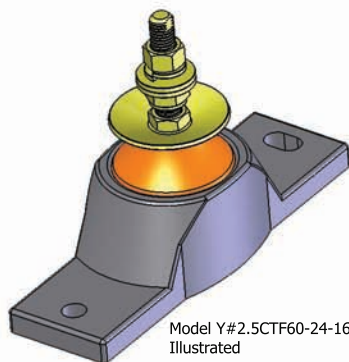
J (max) depends on engine bracket thickness.



Steel side washers are supplied.

Duro Colour Code	50	60	70
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Mount Core Hardness = Shore Durometer-A Scale



Data sheets on Axial and Thrust load versus deflection are available on request from Poly Flex or any authorised dealer.

Model	Suitable for YANMAR Diesel Engines	Mounts Required
Y#1CTF50-11-14(50)	IGM10	4
Y#1.5CTF50-15-14(50)	IGM10	4
Y#2CTF60-20-16(50)	2GM20, 2GM20F, 3GM30, 3GM30F, 3JH2BE, 3JH2TBE, 3JH2TE, 4JH2BE	4
Y#2CTF60-20-16(60)	4JH2TBE, 4JH2HTE, 4JH2DTE	4
Y#2.5CTF60-24-16(50)	2GM20, 2GM20F, 3GM30, 3GM30F, 3JH2BE, 3JH2TBE, 3JH2TE, 4JH2BE	4
Y#2CTF60-20-16(70)	4JH2TBE, 4JH2UTE, 4LHTE	4
Y#2.5CTF60-24-16(60)	4JH2TBE, 4JH2HTE, 4JH2DTE	4
Y#3CTF60-20-16(70)	4LHTE, 4LHDE	4

Note: Table shown is a guide only - contact Poly Flex for mount selection.





# Poly Flex Hull to Deck Joining System

All dimensions in mm. unless otherwise stated.

Model	Working Load (Kg)*	A	B	C	D	E	F	G	H	I	J	K	Weight (Kg)
H/D6.8	200-550	160	94	~	13	127 (5")	~	80	~	15	100	~	1.21
H/D12.5	1000-2000	226	138	~	17	180	~	125	~	16	112	~	2.85

\* Working loads stated are at 2.5mm static deflection for the range of the hardness available.

Note: 1. An increased load will produce a larger static deflection.

2. In general the maximum capacity of the mounts = 4 x Working Load.

Data sheets on Axial and Thrust load versus deflection are available on request from Poly Flex or any authorised dealer.

**Note: STAINLESS STEEL FIXING BOLTS & NYLOCK NUTS NOT SUPPLIED.**

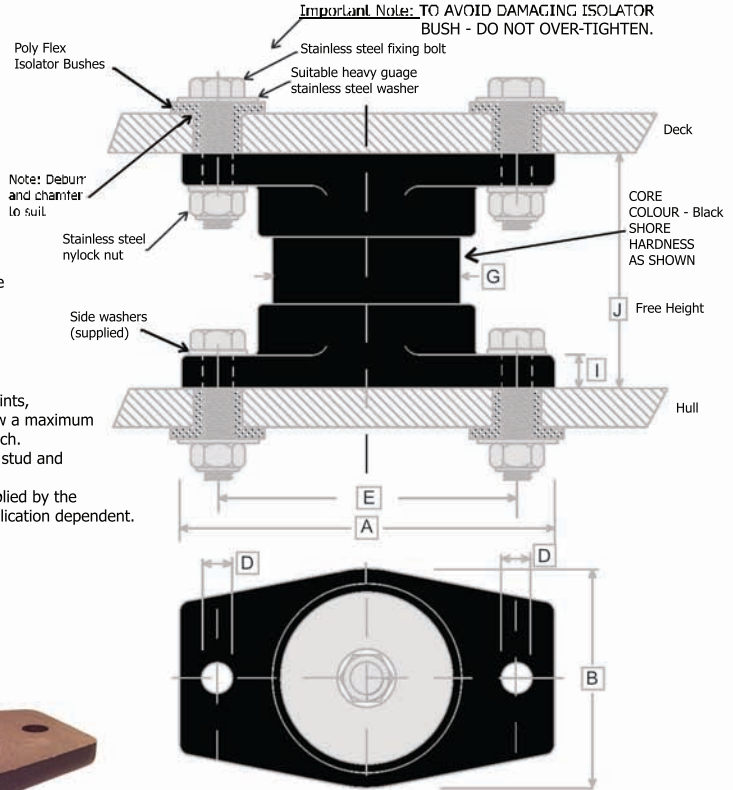


## Resilient Deck Support System

This new system provides a means supporting/tuning the deck structure to reduce the effects of vibration harmonics.

The design is comprised of:

- polymer flanges top and bottom
- ball and resilient socket joints, top and bottom, which allow a maximum of 15 degrees inclination each.
- a stainless steel adjusting stud and locking nuts
- the aluminium tube is supplied by the installer, as its length is application dependent.



Model H/D6.8 illustrated

### Material Specifications

- ~ Engineering grade heat cured polymer alloy.A3
- ~ All metal parts: 316 Stainless Steel.



# Poly Flex Machinery & Instrument Mounts

## RD & EL Series

### Light Machinery & Instrument Mounts

All dimensions in mm. unless otherwise stated.

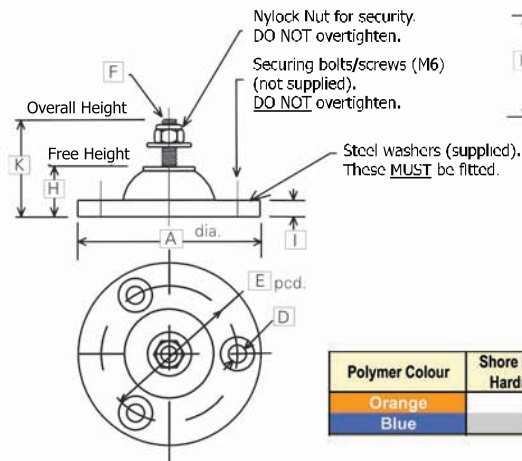
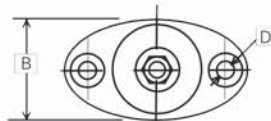
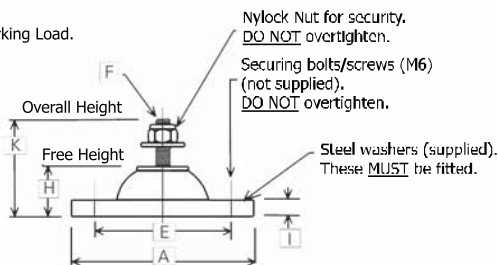
Model	Working Load (Kg)*	A	B	C	D	E	F	G	H	I	J(min)	K	Weight (g)
RD3-50-8(50)	8.4 - 12.5	67		~	6	50PCD	M6	~	18	6	~	36	40
RD3-50-6(60)	10.6 - 16.0	67		~	6	50PCD	M6	~	18	6	~	36	40
EL2-50-6(50)	7.4 - 11.2	67	37	~	6	50	M6	~	18	6	~	36	30
EL2-50-6(60)	9.5 - 14.3	67	37	~	6	50	M6	~	18	6	~	36	30
RD3-65-8(50)	8.7 - 13.1	85		~	6	65PCD	M6	~	20	7	~	38	68
RD3-65-6(60)	11.0 - 16.5	85		~	6	65PCD	M6	~	20	7	~	38	68
EL2-65-8(50)	7.8 - 11.7	85	48.5	~	6	65	M6	~	20	7	~	38	48
EL2-65-6(60)	9.8 - 14.7	85	48.5	~	6	65	M6	~	20	7	~	38	48
RD3-75-8(50)	9.4 - 14.0	95		~	6	75PCD	M8	~	20	7	~	38	90
RD3-75-6(60)	12.4 - 18.6	95		~	6	75PCD	M8	~	20	7	~	38	90
EL2-75-8(50)	7.4 - 11.2	95	53	~	6	75	M8	~	20	7	~	38	66
EL2-75-8(60)	10.2 - 15.3	95	53	~	6	75	M8	~	20	7	~	38	66

\* Working loads stated are the range between (2.0 to 3.0mm) static deflection for each mount. The working load per mount corresponding to 3.0mm static deflection should be regarded as the MAXIMUM allowable load.

- Note: 1. An increased load will produce a larger static deflection.  
2. In general the maximum capacity of the mounts = 1.5 x Working Load.

#### Material Specifications

- ~ Engineering grade heat cured polymer alloy A3
- ~ All metal parts: 316 Stainless Steel.



Polymer Colour	Shore Durometer Hardness - 'A'
Orange	50
Blue	60

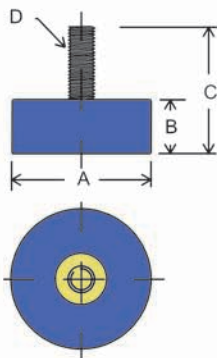
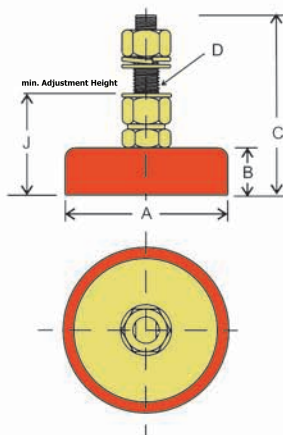
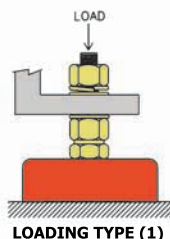


# Poly Flex Machinery & Instrument Mounts

## B-Series (Large)

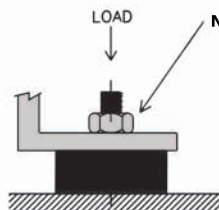
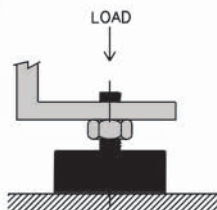
Model	Working Load (Kg) Type (1) Loading	J (Minimum)	A	B	C	D
B60-25-12	100-220	47	60	25	88	M12
B70-25-12	150-300	47	70	25	88	M12
B80-30-16	220-900	58	80	30	100	M16
B90-30-16	300-1650	58	90	30	100	M16
B100-35-16	300-1650	63	100	35	105	M16
B110-35-20	900-2200	75	110	35	135	M20
B120-35-20	700-1900	75	120	35	135	M20
B140-40-20	800-1850	80	140	40	140	M20

\* Working loads stated represent the load for 1.5mm static deflection per mount for the hardness available.



### Material Specifications

- ~ Engineering grade heat cured polymer alloy A3
- ~ All metal parts: SA5 passivated zinc plating.
- ~ Stainless steel nuts and studs and varying stud lengths are available to order. (min quantities apply).



Note: Nuts are not supplied as standard.

Polymer Colour	Shore Durometer Hardness - 'A'
Orange	50
Blue	60
Yellow	70
Green	80
Red	90
Light Blue	95

## B-Series

Model	Working Load (Kg)* Type (1) Loading	Working Load (Kg)* Type (2) Loading	A	B	C	D
B20-10(50)	20	20	20	10	30	M5
B20-10(60)	35	40	20	10	30	M5
B30-12(50)	40	50	30	12	32	M6
B30-12(60)	55	75	30	12	32	M6
B40-15(50)	50	60	40	15	35	M8
B40-15(60)	70	85	40	15	35	M8
B50-20(50)	60	65	50	20	45	M10
B50-20(60)	90	95	50	20	45	M10

\* Working loads stated represent the load for 1.5mm static deflection per mount





# Rudder Bearing & Seal System

Shaft Size	Epoxy/Glass Tube		Top Bearing			Bottom Bearing Flange		Wear Washer / Spacer T=8,10,12mm	Part Numbers	
	ID	OD	OD	PCD	T	OD	T		Top Bearing	Bottom Bearing
1" (25)	1 3/4"	2 3/16"	3 3/4"	3"	7/8"	2 1/2"	3/8"	RBW1000-8/10/12	RB1000S/L	RB1000B/P
1 1/8" (28)	1 3/4"	2 3/16"	3 3/4"	3"	7/8"	2 1/2"	3/8"	RBW1125-8/10/12	RB1125S/L	RB1125B/P
1 1/4" (30)	1 3/4"	2 3/16"	3 3/4"	3"	7/8"	2 1/2"	3/8"	RBW1250-8/10/12	RB1250S/L	RB1250B/P
1 1/2" (40)	2"	2 7/16"	4 1/4"	3 1/2"	7/8"	3"	1/2"	RBW1500-8/10/12	RB1500S/L	RB1500B/P
1 3/4" (45)	2 3/8"	2 3/4"	4 3/4"	4"	1"	3 1/2"	5/8"	RBW1750-8/10/12	RB1750S/L	RB1750B/P
2" (50)	2 3/4"	3 1/4"	5 1/4"	4 1/2"	1"	4"	5/8"	RBW2000-8/10/12	RB2000S/L	RB2000B/P
2 1/2" (65)	3 1/2"	4 1/8"	7 1/4"	6 1/2"	1 1/8"	5"	5/8"	RBW2500-8/10/12	RB2500S/L	RB2500B/P
2 3/4" (70)	4 1/4"	5"	8"	7 1/4"	1 1/4"	6"	5/8"	RBW2750-8/10/12	RB2750S/L	RB2750B/P
3" (75)	4 1/4"	5"	8"	7 1/4"	1 1/4"	6"	5/8"	RBW3000-8/10/12	RB3000S/L	RB3000B/P

PCD = Pitch Circle Diameter

Brg = Bearing  
T = Thickness  
ID = Inside Diameter  
OD = Outside Diameter

Other sizes to Order.  
Metric sizes available shown in brackets

Brg. Length  
S=2xShaft dia  
L=3xShaft dia

B=Flanged  
P=Parallel  
Brg.Length=1x  
Shaft dia.

**Note:** When the application requires the fitting of the Epoxy/Glass tube, the rudder (construction) tube should have an **INSIDE diameter at least 5/16" (8mm) larger than the OUTSIDE diameter of the Epoxy/Glass tube (see table above).**

The Poly Flex Rudder Bearing & Seal System is manufactured specifically for the marine environment, with:

1. Extremely strong, dry lubricant impregnated polymer bearings top and bottom, with nitrile O-rings and grease seal.
2. An all stainless steel grease nipple (including the ball and spring).
3. A mandrel wound oven cured pre-impregnated Epoxy/Glass tube.

The Poly Flex Rudder Bearing System offers boat builders some considerable advantages:

1. The bearing alignment is achieved precisely.
2. Electrolysis is minimised as there is no dissimilar metals.

