

Last Updated 4/17/2008

# Metric Mechanic for BMW's

573-765-1269

31 Years:  
1977-2008

January 1, 2008 Product & Price List - [www.hiperformancebmw@metricmechanic.com](http://www.hiperformancebmw@metricmechanic.com)

## MM HiFlo ST Engines

### 4 Cylinder Engines - M10

2002, 320i, 318i ≥'85 - 4 Cyl SOHC Engines Core Deposit

2200 Sport Engine	155 HP	4495	600
2300 Rally Engine	165 HP	5495	600
2400 Rally Engine	170 HP	6495	600
2000 - 2400 Race Engines	180-240 HP	7495-8995	600
Other M10 Race Engines		Call 573-765-1269	
Up charge for 2002 tii, 320i ('80-'83) & 318i			200

NEW!

### 6 Cylinder Engines - M30

5, 6, & 7 Series ≥'93 - 6 Cyl SOHC Engines

3.0cs, Bavaria - 4 Cyl SOHC Engines Core Deposit

3700 Sport Engine	270 HP	6995	800
3800 Rally Engine	285 HP	7995	800
4000* Rally Engine	305 HP	10,995	800
M30 Race Engines		Call 573-765-1269	
Additional charge for not having a 3.5 L Block			300

NEW!  
NEW!

### "Baby Six" Engines - M20

325i/e, 528, 525i ≥'91 - 6 Cyl SOHC Engines Core Deposit

2900 Sport Engine	205 HP	6995	800
2900 Rally Engine	215 HP	7995	800
3000 Sport/Rally	225 HP	8695	800
3000 Rally Engine	230 HP	8695	800
3200* Sport Engine	230 HP	8495	800
3200* Rally Engine	240 HP	8995	800
M20 Race Engines		Call 573-765-1269	

#### TURBO ENGINE SERIES

2900 Turbo Engine	250-325 HP	8495	800
3000 Turbo Engine	275-350 HP	8995	800
3100* Turbo Engine	325-450 HP	9495	800

For ix's, Customer's Core & additional charge 200

### M3 Engines - S14

M3 '88-'91 - 4 Cyl DOHC Engines Core Deposit

2400 Sport Engine	210 HP	7295	Core*
2500 Sport Engine	225 HP	7995	Core*
2500 Rally Engine	255 HP	9495	Core*
2500 Race Engine	285 HP	10,995	Core*

### M5 & M6 Engines - S38 / S88

M5 & M6 '85-'93 - 6 Cyl DOHC Engines Core Deposit

3700 Sport Engine	310 HP	9495	Core*
3700 Rally Engine	350 HP	10,995	Core*
3900* Rally Engine	390 HP	12,995	Core*

\* Customer's Own Core Needed

### M42 & M44 Engines

M42: (E30 318is '90-91), (E36 '92-95), (Z3 '95)

M44: (E36 318ti '96-98), (E36 318i '96-98)

(Z3 '96-98) - 4 Cyl DOHC Engines Core Deposit

2000 Sport M42	160 HP	6495	800
2000 Sport M44	170 HP	6795	1200
2100 Rally M42	205 HP	8195	800
2100 Rally M44	190 HP	8495	1200
M42 Race Engines		Call 573-765-1269	

FORCED INDUCTION ENGINE SERIES Core Deposit

1900 FI M42	225 HP	6995	800
2000 FI M44	225 HP	7295	1200
2100 FI M42	300 HP	8995	800

### M50, M50tu, S50, M52 & S52 Engines

M50 Non-Vanos: (325i/525i '91-92),

M50tu: (325i/525i '93-95), S50: (M3 '95)

M52: (328i/528i '96-'97), S52: (M3 '96-99)-6 Cyl DOHC

3200 Sport OBD I or II	275 HP	9595	2000-3500
3000 Rally OBD I or II	265-285 HP	8995	2000-3500
3100 Rally OBD I	270-290 HP	9495	2000
3200 Rally OBD I or II	280-305 HP	10,995	2000-3500
3300 Rally OBD I or II	295-315 HP	11,995	2000-3500
3400 Rally OBD I or II	305-325 HP	13,995	2000-3500

FORCED INDUCTION ENGINE SERIES

3000* FI OBD I or II	225 HP	8995	2000-3500
3100* FI OBD I	225 HP	9995	2000
3200* FI OBD I or II	300 HP	10,995	2000-3500

\* Includes Intake Cam ONLY

### Shipping Crate Deposit

Engine Shipping Crate Deposit..... 350

### Engine Installations

M10 2002	1600
M10 2002 tii, 320i, 318i	1800
M30 5, 6 & 7 Series ≥'93, 3.0cs, Bavaria	2000
M20 325i/e, 528, 525i ≥'91, Euro 323i	2000
M20 325ix	2500
S14 M3	2000
S38 & S88 M5, M6, Euro M635csi	2200
M42 E30 318is '90-'91	1800
M42, M44 E36 318is, 318ti & Z3 '92-98	2000
M50, M50tu, M52, S50, S52	
3 & 5 Series from '91-'99 & M3 from '95-'99	2500

Call for pricing on Forced Induction Installations

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1977-2008

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## MM HiFlo ST Engine Kits

### 4 Cylinder Engine Kits - M10

2002, 320i, 318i ≥'85

Core Deposit

<b>2200 Sport Engine Kit</b> .....	155 HP ....	\$3005	+ Discount
Head, HiFlo ST Sport .....		1995	300
Head Gasket, 94mm Big Bore .....		110	
Pistons, 92mm Sport, 9.75:0 CR .....		780	
Rings, 92mm Moly .....		120	
Crankshaft** uses Stock 2 Liter Crank			

<b>2200 Rally Engine Kit</b> .....	160 HP ....	\$4235	+ Discount
Head, HiFlo ST Sport .....		1995	300
Head Gasket, 94mm Big Bore .....		110	
Pistons, 92mm Rally, 10.1:0 CR .....		780	
Rings, 92mm Moly .....		120	
Rods, "H" Beam .....		780	
Rod Bearings .....		100	
Optional: Windage Tray/Scrapers Bar .....		350	
Crankshaft** uses Stock 2 Liter Crank			

<b>2300 Rally Engine Kit</b> .....	165 HP ....	\$5235	+ Discount
Head, HiFlo ST Sport .....		1995	300
Head Gasket, 94mm Big Bore .....		110	
Pistons, 92mm Rally, 10.1:0 CR .....		780	
Rings, 92mm Moly .....		120	
Rods, "H" Beam .....		780	
Rod Bearings .....		100	
Crankshaft Kit** 84mm .....		900	
Includes Crank Sprocket, Bolt, Washer, Drive Flange, Pulley & Seal			
Optional: Windage Tray/Scrapers Bar .....		350	

<b>2400 Rally Engine Kit</b> .....	170 HP ....	\$5435	+ Discount
Head, HiFlo ST Sport .....		1995	300
Head Gasket, 94mm Big Bore .....		110	
Pistons, 92mm Rally & Rings, 10.1:0 CR .....		780	
Rings, 92mm Moly .....		120	
Rods, "H" Beam .....		780	
Rod Bearings .....		100	
Crankshaft Kit** 87mm .....		1250	
Includes Crank Sprocket, Bolt, Washer, Drive Flange, Pulley & Seal			
Optional: Windage Tray/Scrapers Bar .....		350	

### 6 Cylinder Engine Kits - M30

3.0cs, Bavaria, 5, 6, & 7 Series ≥'93

Core Deposit

<b>3700 Sport Engine Kit</b> .....	270 HP .....	\$3990	+ Discount
Head, HiFlo ST Sport .....		2495	500
Head Gasket, 94.5mm Bore .....		145	
Pistons, 95mm Sport, 10.1:0 CR .....		1170	
Rings, 95mm Moly .....		180	
Crankshaft** uses Stock 86mm B34/B35 Crank			

<b>3800 Rally Engine Kit</b> .....	280 HP .....	\$5360	+ Discount
Head, HiFlo ST Sport .....		2495	500
Head Gasket, 96mm Bore .....		195	
Pistons, 96mm Rally, 10.25:1 CR .....		1170	
Rings, 96mm Moly .....		180	
Rods, "H" Beam .....		1170	
Rod Bearings, Heavy Duty Tri-Metal .....		150	
Crankshaft** uses Stock 86mm B34/B35 Crank			

### Baby 6 Engine Kits - M20

325i/e, 528e, 525i ≥'91

<b>2900 Sport "I" Engine Kit</b> .....	205 HP .....	\$4150	+ Discount
Head, HiFlo ST Sport .....		2295	500
Head Gasket, Improved Water Flow .....		110	
Head Bolt Set, 8mm Allen Head Socket .....		125	
Pistons, 2900 Sport, 86mm, Deep Valve Pockets, 10.0:1 CR .....		1170	
Rings, Moly 86mm .....		180	
Rod Bearings, Coated Tri-Metal .....		270	
Kit requires an 81mm Stroke ETA Crank			
Call for Crank** Pricing & Availability			

<b>2900 Rally Engine Kit</b> .....	215 HP .....	\$5520	+ Discount
Head, HiFlo ST Rally .....		2495	500
Head Gasket, Improved Water Flow .....		110	
Head Bolt Set, 8mm Allen Head Socket .....		125	
Rally Pistons, 3000 Rally, 86mm, 10.5:1 CR .....		1170	
Rings, Moly 86mm .....		180	
Rods, UltraLite "H" Beam, 140.5mm long .....		1170	
Rod Bearings, Coated Tri-Metal .....		270	
Kit requires an 81mm Stroke ETA Crank			
Call for Crank** Pricing & Availability			

<b>3000 2926cc Sport/Rally Engine Kit</b> .....	220 HP .....	\$5520	+ Discount
Head, HiFlo ST Sport .....		2295	500
Head Gasket, Improved Water Flow .....		110	
Head Bolt Set, 8mm Allen Head Socket .....		125	
Pistons, 3200 Sport, 86mm, 10.0:1 CR .....		1170	
Rings, Moly 86mm .....		180	
Rods, UltraLite "I" Beam, 138mm long .....		1170	
Rod Bearings, Coated Tri-Metal .....		270	
Crankshaft** 84mm Stroke .....		Call	
Crank Seal Spacer, Bolt & Washer .....		200	

Crankshaft\*\* ADD \$200 for custom-built wooden shipping crate.

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## Baby 6 Engine Kits - M20 Continued

325i/e, 528, 525i ≥'91

Core Deposit

<b>3000</b> 2926cc Rally Engine Kit .....	225 HP ..	\$5720	+ Discount
Head, HiFlo ST Rally .....		2495	500
Head Gasket, Improved Water Flow .....		110	
Head Bolt Set, 8mm Allen Head Socket .....		125	
Pistons, 3200 Rally, 86mm, 10.5:1 CR .....		1170	
Rings, Moly 86mm .....		180	
Rods, UltraLite "I" Beam, 138mm long .....		1170	
Rod Bearings, Coated Tri-Metal .....		270	
Crankshaft**, 84mm Stroke .....		Call	
Crank Seal Spacer, Bolt & Washer.....		200	

### 3000 2996cc Sport/Rally Engine Kit

225 HP .. \$5520

+ Discount  
500

Head, HiFlo ST Sport.....	2295
Head Gasket, Improved Water Flow .....	110
Head Bolt Set, 8mm Allen Head Socket .....	125
Pistons, 3200 Sport, 86mm, 10.0:1 CR.....	1170
Rings, Moly 86mm .....	180
Rods, UltraLite "I" Beam, 137mm long.....	1170
Rod Bearings, Coated Tri-Metal .....	270
Crankshaft**, 86mm Stroke .....	Call
Crank Seal Spacer, Bolt & Washer.....	200

### 3000 2996cc Rally Engine Kit .....

230 HP .. \$5720

+ Discount  
500

Head, HiFlo ST Rally .....	2495
Head Gasket, Improved Water Flow .....	110
Head Bolt Set, 8mm Allen Head Socket .....	125
Pistons, 3000 Rally, 86mm, 10.8:1 CR .....	1170
Rings, Moly 86mm .....	180
Rods, UltraLite "I" Beam, 137mm long.....	1170
Rod Bearings, Coated Tri-Metal .....	270
Crankshaft**, 86mm Stroke .....	Call
Crank Seal Spacer, Bolt & Washer.....	200

### 3200 Sport Engine Kit .....

230 HP .. \$4800

+ Discount  
500

Head, HiFlo ST Sport.....	2295
Head Gasket, Improved Water Flow .....	110
Head Bolt Set, 8mm Allen Head Socket .....	125
Pistons, 3200 Sport, 86mm 10.0:1 CR .....	1170
Rings, Moly 86mm .....	180
Rods, 135 mm "I" Beam, E36/M3 Rods.....	450
Rod Bearings, Coated Tri-Metal .....	270
Crankshaft**, 89.6mm Stroke .....	Call
Crank Seal Spacer, Bolt & Washer.....	200

### 3200 Rally Engine Kit.....

240 HP .. \$5720

+ Discount  
500

Head, HiFlo ST Rally .....	2495
Head Gasket, Improved Water Flow .....	110
Head Bolt Set, 8mm Allen Head Socket .....	125
Pistons, 3200 Rally, 86mm 11.0:1 CR .....	1170
Rings, Moly 86mm .....	180
Rods, UltraLite "I" Beam 138mm Long .....	1170
Rod Bearings, Coated Tri-Metal .....	270
Crankshaft** 89.6mm Stroke .....	Call
Crank Seal Spacer, Bolt & Washer.....	200

## M3 Engine Kit - S14

M3 '88-'91

Core Deposit

<b>2400 Sport Engine.....</b>	205 HP.....	\$3255	+ Discount
Head, HiFlo Sport with 29.5mm Ports .....		1995	500
Head Gasket.....		110	
Pistons, 95mm, 11.5:1 CR .....		780	
Rings, Moly 95mm .....		120	
Adjust Shim Pads.....		200	
Cornering Baffle .....		50	
Crankshaft** uses Stock 84mm, 2.3 Liter Crank .....		0	

### 2500 Sport Engine.....

225 HP..... \$4335  
+ Discount  
500

Head, HiFlo Sport with 29.5mm Ports .....	1995
Head Gasket.....	110
Pistons, 95mm, 11.5:1 CR .....	780
Rings, Moly 95mm .....	120
Crank Kit** 87mm Stroke .....	1100
Adjust Shim Pads.....	200
Cornering Baffle .....	50

### 2500 Rally Engine .....

255 HP .....

Head, 31mm Intake Ports .....	2195
Rally Camshaft .....	450
Clearance Cam Box for Rally Cam .....	100
Head Gasket.....	110
EVO Intake Gaskets .....	200
Pistons, 95mm, 12.5:1 CR .....	780
Rings, Moly 95mm .....	120
Rods, "H" Beam, 143mm Long .....	780
Rod Bearing Set .....	120
Crankshaft Kit**, 87mm Stroke .....	1100
Adjusting Shim Pads.....	200
Cornering Baffle .....	50
Ported Intake Manifolds.....	500

### 2500 Race Engine .....

285 HP .....

Head, 31mm Intake Ports .....	2195
Race Camshafts, Pair .....	900
Clearance Cam Box for Rally Cam .....	100
Head Gasket.....	110
EVO Intake Gaskets .....	200
Pistons, 95mm, 13.5:1 CR .....	780
Rings, Moly 95mm .....	120
Rods, "H" Beam, 143mm Long .....	780
Rod Bearing Set .....	120
Crankshaft Kit** 87mm Stroke .....	1100
Adjusting Shim Pads.....	200
Cornering Baffle .....	50
Ported Intake Manifolds.....	750

#### Options:

Windage Tray/Scrapper Bar.....	350
Race Oil Pan with Swingate & Baffle.....	450

Crankshaft\*\* ADD \$200 for custom-built wooden shipping crate.

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## MM HiFlo ST Engine Kits - continued

### M 5/6 Engine Kits - S38/S88

#### M5 & M6 '85-'93

<b>3700 Sport Engine</b> ..... 310 HP .....	5140	
Head, Sport 29.5mm Intake Ports .....	2695	+ Discount
Head Gasket .....	145	Core*
Pistons, 95mm/11.5 CR.....	1170	
Rings, Moly 95mm .....	180	
Adjust Shim Pads .....	300	
Crankshaft** 86mm Stroke, from 535 .....	650	

<b>3700 Rally Engine</b> .....	350 HP .....	8290	
Head, Rally 30.5mm Intake Ports .....	995		+ Discount
Head Gasket .....	145		Core*
Rally Cam.....	650		
Clearance Cam Box for Rally Cam .....	100		
Ported Intake Manifolds .....	750		
Pistons, 95mm/12.5 CR.....	1170		
Rings, Moly 95mm .....	180		
Rods, "H" Beam .....	1170		
Rod Bearing Set, Tri-Metal.....	180		
Crankshaft Kit** 86mm Stroke.....	650		
*Adjust Shim Pads.....	300		

**3900 Sport Engine Kit**..... *Kit Not Available*

**3900 Rally Engine Kit** .....

### 6 Cylinder DOHC Engine Kits - M50 / M52

#### 3 & 5 Series '92 >

<b>M50 3100 Rally</b> .....	270-290 HP .....	7440	
Head, Rally Surface Turbulence/6% Flow Increase .....	2495		+ Discount
Cam Pair, Int 262° or 272° & Exh 250° .....	1300		1000
Head Gasket .....	110		
Head Bolts .....	125		
Pistons, Rally 87mm Forged Alusil 12.0:1 .....	1170		
Rings, 87mm Moly Rings .....	180		
Rods, Rally 137mm Ultralite "I" Beam 475 grams .....	1170		
Rod Bearings, Teflon Coated Tri-Metal.....	270		
Main Bearings, 360° Thrust & Oiling Groove.....	170		
E.A.T. Tuning Chip.....	450		

<b>M50 3200 Rally</b> .....	280-300 HP .....	7440	
Head, Rally Surface Turbulence/6% Flow Increase .....	2495		+ Discount
Cam Pair, Int 262° or 272° & Exh 250° .....	1300		1000
Head Gasket .....	110		
Head Bolts .....	125		
Pistons, Rally 87mm Forged Alusil 12.0:1 .....	1170		
Rings, 87mm Moly Rings .....	180		
Rods, Rally 140.5mm Ultralite "H" Beam 475 grams ....	1170		
Rod Bearings, Teflon Coated Tri-Metal.....	270		
Main Bearings, 360° Thrust & Oiling Groove.....	170		
E.A.T. Tuning Chip.....	450		

Core\* No Deposit as BMW Owner  
Supplies their own Core for rebuilding

### M42, M44 Engine Kits

**M42: E30 318is '90-91, E36 '92-95, Z3 '95** Core Deposit

**M44: E36 318ti '96-98, E36 318i '96-98, Z3 '96-98**

<b>2000 Sport M42/M44</b> ... 160 HP.....	3435		+ Discount
Head, Sport Surface Turbulence/6% Flow Increase .....	1495		600
Head Upgrade, from 7mm to 6mm Valvetrain .....	300		
Sport Intake Camshaft.....	450		250
Head Gasket .....	110		
Pistons, Sport 87mm Forged Alusil 10.0:1 CR .....	780		
Rings, 87mm Moly Rings.....	120		
Rod Bearings, Sport Aluminum Face .....	60		
Main Bearings with 360° Thrust & Oiling Groove .....	120		
Crankshaft** uses stock crank .....	0		

<b>2100 Rally M42</b> .....	205 HP.....	5995	
Head, Rally Surface Turbulence/6% Flow Increase .....	1495		+ Discount
Head Upgrade, from 7mm to 6mm Valvetrain ...	300		600
Cam Pair, Intake 272° & Exhaust 258° Pair.....	900		500
Head Gasket.....	110		
Pistons, Rally 87mm Forged Alusil 11.5:1.....	780		
Rings, 87mm Moly Rings.....	120		
Rods, Rally 138mm Ultralite "I" Beam Rod 475 grams ..	780		
or Rods, Rally 138mm "H" Beam Rod 520 g - also \$780			
Rod Bearings, Teflon Coated Tri-Metal .....	140		
Main Bearings, 360° Thrust & Oiling Groove .....	120		
M42 88mm Forged Steel Crank Kit** .....	1250		

<b>2100 Rally M44</b> .....	190 HP.....	6195	
Head, Rally Surface Turbulence/6% Flow Increase.....	1695		+ Discount
Cam Pair, Intake 272° & Exhaust 258° Pair.....	900		800
Head Gasket.....	110		500
Pistons, Rally 87mm Forged Alusil 10.0:1.....	780		
Rings, 87mm Moly Rings.....	120		
Rods, Rally 138mm "Ultralite I" Beam Rod 475 g .....	780		
or Rods (Rally 138mm "H" Beam Rod 520 g - also \$780			
Rod Bearings, Teflon Coated Tri-Metal .....	140		
Main Bearings 360° Thrust & Oiling Groove.....	120		
M42 88mm Forged Steel Crank Kit** .....	1250		

#### M42/M44 Heads\*

**Includes 6% Flow Increase, Surface Turbulence Valves, Manganese Valve Guides, MM "Bee Hive" Valve Springs & Lightweight Retainers**

MM 35mm Hydraulic Lifters.....	\$30 Each .....	\$400	Set
MM 35mm Mechanical Lifters.....	\$45 Each .....	\$700	Set
Shim Pads .....	.....	\$5	Each
MM "Bee Hive" Valve Spring & Retainer.....	\$20 Each .....	\$300	Set
Manganese Bronze Valve Guide .....	\$12 Each .....	\$175	Set
MM Socket Head Bolt (100 MM).....	\$7.50 Each .....	\$70	Set
Multilayer Stainless Steel Head Gasket			
For Forced Induction Engines.....		\$160	

Crankshaft\*\* ADD \$200 for custom-built  
wooden shipping crate.

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## MM HiFlo ST Heads

### 4 Cylinder - M10

<b>2002, 320i, 318i ≥'85</b>		Core Deposit
Sport Head.....	1995	300
Race Head.....	2495 - 2895	300
Stock Head.....	1495	300

### 6 Cylinder - M30

<b>3.0cs, Bavaria, 5, 6, &amp; 7 Series ≥'93</b>		
Sport Head.....	2495	500
Stock Head.....	1895	500

### Baby Six - M20

<b>325i/e, 528e, 525i ≥'91</b>		
Sport Head.....	2295	500
Rally Head.....	2495	500
Stock Head.....	1695	500

### M3 - S14

<b>M3 '88-'91</b>		
Sport Head (29.5mm Ports).....	1995	Core*
Options: Adjusting Shim Pads.....	200	
Rally Head (31mm Ports).....	2195	Core*
Options:		
Rally Camshaft.....	450	
Clearance Cam Box for Rally Cam.....	100	
Adjusting Shim Pads.....	200	
EVO Intake Gaskets.....	200	
Ported Intake Manifolds.....	500	
Race Head (31mm Ports).....	2195	Core*
Options:		
Race Camshafts (2).....	900	
Clearance Cam Box for Race Cam.....	100	
Adjusting Shim Pads.....	200	
EVO Intake Gaskets.....	200	
Ported Intake Manifolds/Throttle Body.....	750	
Stock Head.....	1695	Core*
Options: Adjusting Shim Pads.....	200	

### M5 & M6 - S38 / S88

<b>M5 &amp; M6 '85-'93</b>		Core Deposit
Sport Head, 29.5mm Ports.....	2695	Core*
Options: Adjusting Shim Pads.....	200	
Rally Head, 31mm Ports.....	2995	Core*
Options:		
Rally Camshaft.....	650	
Clearance Cam Box for Rally Cam.....	100	
Adjusting Shim Pads.....	300	
Ported Intake Manifolds.....	750	
Stock Head.....	1995	Core*
Options: Adjusting Shim Pads.....	300	

### M42 & M44 Engines

<b>M42: (E30 '90-'91), (E36 '92-'95), (Z3 '95)</b>		
<b>M44: (E36/5 318ti '96-'98), (E36 318i '96-'98), (Z3 '96-'98)</b>		
Sport or Rally Head, M42.....	1495	500
Head Upgrade, from 7mm to 6mm Valvetrain.....	300	
Sport or Rally Head, M44.....	1695	500
<i>Includes 6% Flow Increase, Surface Turbulence Valves, Manganese Valve Guides, MM "Bee Hive" Valve Springs &amp; Lightweight Retainers</i>		

### M50 / M52 / M54

<b>M50 Non-Vanos: (325i/525i '91-'92), M50tu: (325i/525i '93-'95)</b>		
<b>M52: (328i/528i '96-'97)</b>		
<b>S50: (M3 '95), S52: (M3 '96-'99)</b>		
Sport or Rally Head.....	2495	1000
<i>Includes 6% Flow Increase, Surface Turbulence Valves, Manganese Valve Guides, MM "Bee Hive" Valve Springs &amp; Lightweight Retainers</i>		
Stock Head.....	1895	1000
Stock Head: cleaned, glass beaded, 3 angle valve job, reconditioned valves, manganese bronze valve guides, "Bee Hive" valve springs, & retainers		

Core\*

No Deposit as BMW Owner Supplies their own Core for rebuilding

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## Cams & Head Parts

### Camshafts

Core Deposit

<b>4 Cylinder M10 Sport/Rally Camshaft</b>		
290° Duration/10.75mm Lift.....	395	150
<b>6 Cylinder M30 Sport/Rally Camshaft</b>		
290° Duration/10.75mm Lift.....	495	150
<b>Baby Six M20 Sport/Rally Camshaft</b>		
274° Duration/11.75mm Lift.....	495	150
<b>M3 - S14 Rally Intake Camshaft</b>		
260° Duration/11.3mm Lift.....	450	300
<b>M3 - S14 Race Camshafts</b>		
290° Intake Duration/11.7mm Lift.....	550	300
260° Exhaust Duration/11.3mm Lift.....	450	300
<b>M5/M6 - S38/S88 Rally Intake Camshaft</b>		
260° Duration/11.3mm Lift.....	600	500
<b>M50, M50tu, M52, S50, S52 Sport Camshaft</b>		
262° Intake Duration/11.15mm Lift.....	600	300
<b>M50, M50tu, M52, S50, S52 Rally Camshafts</b>		
272° Intake Duration/11.4mm Lift.....	600	300
258° Exhaust Duration/10.9mm Lift.....	600	300
<b>M42 - M44 Sport Intake Camshaft</b>		
258° Intake Duration/11.15mm Lift.....	450	250
<b>M42 - M44 Rally Camshaft</b>		
272° Intake Duration/11.4mm Lift.....	450	250
258° Exhaust Duration/11.15mm Lift.....	450	250
<b>M42 - M44 Turbo Camshaft</b>		
258° Intake Duration/11.15mm Lift.....	450	250
258° Exhaust Duration/11.15mm Lift.....	450	250

### Head Gaskets & Head Bolts

<b>M10 Engines</b>	
Head Gasket, 94mm Big Bore.....	110
<b>M30, S38, Engines</b>	
Head Gasket, 94.5mm Big Bore.....	145
<b>Baby Six, M20 Engines</b>	
Head Gasket, Improved Water Flow.....	110
Head Bolts. Baby Six, 150mm Socket Head.....	140
<b>M50, M52, S50, S52,</b>	
Head Gasket, Improved Water Flow.....	110
Head Bolts, M50, M52, S50, S52 100mm Socket.....	145

### Block Parts

Sport Forged Alusil Vent Pistons		
10.1:1.....	195	Each
Rally Forged Alusil Vent Pistons		
10.25 - 11.0:1.....	195	Each
Moly Rings.....	30	Each
Rally Rods.....	195	Each
Rod Bearings, Heavy Duty Tri-Metal.....	30	Each
Rod Bearings, Coated Tri-Metal.....	45	Each
M20, M50, S50, S52		
Main Bearings 360° Oil Groove.....	150	Set
Oil Pump 4 Cyl M10, Aluminum Body.....	250	None
Oil Pump Small 6 M20, Blue Printed.....	300	100
Oil Pump Small 6 M20, HiVolume.....	450	None
Oil Pump HiVolume Sprockets		
Sprocket for M30, S14 Engine.....	100	
Sprocket for M10.....	150	

### Head Parts

"Bee Hive" Valve Springs & Retainers.....	20	Each
Dual Chamber Sprayer Bar M30 Engine.....	100	
Distributor Cam Conversion Nut M30.....	100	
Adjustable Cam Sprocket M10, M30 Engine.....	125	
Rocker Arm M10, M30 Engines Inspected.....	50	Each
Rally/Race Rocker Arm, M10/M30		
Inspected and Peened.....	45	Each
Rocker Arm M20 Engines Inspected.....	50	Each
Rally/Race Rocker Arm, M20		
Inspected and Peened.....	45	Each
Valve Guides, Manganese Bronze.....	10	Each

Last Updated 4/17/2008

# Metric Mechanic for BMW's

573-765-1269

31 Years:  
1977-2008

January 1, 2008 Product & Price List - [www.hiperformancebmw@metricmechanic.com](http://www.hiperformancebmw@metricmechanic.com)

## Ultimate Transmission Rebuilds

### 4 Cylinder Getrag Transmissions

Core Deposit

**2002, 320i Race ≥ '79**

Getrag 242, Close Ratio 4 Speed .....3495 500

**320i ≥ '80 -'82**

Getrag 245 .....2495 500

Getrag 245 Sport OD .....3495 500

**318i ≥ '85, 318is '89-'90,**

Getrag 240 .....2495 500

Getrag 240 Sport OD .....3495 500

### 6 Cylinder Getrag Transmissions

**E28 5-Series, E24 6-Series, E23 7-Series**

**from '80 ≥ '82 + '85, & E30 M3 '88 ≥ '91**

Getrag 265 .....2695 700

Getrag Sport CR 262, 265 .....2995 1500

Getrag 265 Sport/OD .....3695 700

**E30 325i & 325e - all years**

**E28 5-Series '84, '86-'88, E24 6-Series '84, '86 -'89**

Getrag 260 .....2495 700

Getrag 260 Sport/OD .....3495 700

**Euro 635csi & M535i '79 ≥ '84**

Getrag Sport 265 CR .....2995 1500

**Z3 1.9 & 2.5, E36 325i & 323i, E46 323i '92 >**

Getrag 250 .....2495 700

**M5, M6 '87 ≥ '91 + Euro M5/M6 '85 ≥ '91**

Getrag 280 Instead of a 280 rebuild, we provide the MM  
265 Getrag Conversion .....3995 None

**E46 M3 2001-2007, 540i, M5, Z8, Euro E36 M3**

Getrag 420 .....3695 Your Core

### 6 Cylinder ZF Transmissions

**E36: M3, 328i, E46: 328i, 330i, E39: 528i, 530i**

ZF S5-31 .....2495 800

**E46: 330i '04 > + 530i '04 >**

ZF S6-37 .....2795 800

## Ultimate Transmission Conversions

### 5 Speed Conversions

Core Deposit

Getrag 245 + Kit for 2002 4 Speed .....4195 150

Getrag 245 + Kit for 2002 4 Speed  
Used Transmission, Inspected and Sealed .....2295 500

MM 5 Speed Kit Only with 4 Bolt Flange  
No Transmission .....1495 150

MM 5 Speed Kit Only with 3 Bolt Flange  
No Transmission .....1695 150

MM Crossmember Mount ..... 300

ZF S5-31 CR + Kit for 325i/e '84 -'91 ..... 4495 150

ZF S5-31 CR + Kit for 325i/e '84 -'91  
Used Transmission, Inspected and Sealed .....2495 150

Getrag 265 + Kit Conversion for 280 M5/M5  
Alternative Upgrade for the Stock 280 Getrag .....3995

Getrag 265 + Kit Conversion for 280 M5/M5  
Alternative Upgrade for the Stock 280 Getrag  
Used Transmission, Inspected and Sealed .....1995

### Transmission Installations

5 Speed ..... 500

6 Speed ..... 700

5 Speed Conversions ..... 900 - 1200

CR = Close Ratio

OD = Overdrive

MM = Metric Mechanic

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# Metric Mechanic for BMW's

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## Differentials

### MM Variable Limited Slips

Core Deposit

#### All BMW Models ≥'98, 1st Gen -168 & 188 Differentials - Z3, M23, M23 Coupe

Sport Variable Limited Slip 3 Disc .....	1595	300-600
Rally Variable Limited Slip 4 Disc .....	1795	300-600
Race Variable Limited Slip 5 Disc.....	1995	300-600
LS Differentials .....	1195	600
Standard Open, Non LS .....	1095	300
2002 LS Conversion Flanges Pair .....	300	100

Additional Charge for Gear Change Ratio.....250-450  
Metric Mechanic Differential Installations.....350

#### E46, E39 (6 cyl. only) '99 and later, 2nd Gen -188 Differentials

Sport Variable Limited Slip 3 Disc .....	2295	500
Rally Variable Limited Slip 4 Disc .....	2495	500
Race Variable Limited Slip 5 Disc.....	2695	500

Additional Charge for Gear Change Ratio..... 450+  
Metric Mechanic Differential Installations.....350

#### All M5's, 8 Series,

#### E32 740i & 750i - 1st Gen 210 Differentials

(Excluding E60 & E65)

Sport Variable Limited Slip 2 Disc .....	1995	500
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Additional Charge for Gear Change Ratio.....450-750  
Metric Mechanic Differential Installations....500-650

#### E39-540i, E38-740i - 2nd Gen - 210 Differentials

Sport Variable Limited Slip 2 Disc .....	3495	500
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Additional Charge for Gear Change Ratio... 750-1500  
Metric Mechanic Differential Installations....500-650

#### Z8, E52 - 2nd Gen - 210/215 Differentials

Quaife Conversion/Retrofit .....	1500	No Deposit
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Owner must provide their own Quaife Unit & Core  
Please call for gear options & more information.

#### E90, 323i, 325i, 328i, 330i, 2004 > 3rd Gen -188 Differentials

Quaife Conversion/Retrofit with carrier tapered Roller Bearing for greater load carrying capacity .....	1800	No Deposit
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Owner must provide their own Quaife Unit & Core

#### E90 & E92 335i 2006 > 3rd Gen 210/215 Differentials

Quaife Conversion/Retrofit with carrier tapered Roller Bearing for greater load carrying capacity .....	1800	No Deposit
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Owner must provide their own Quaife Unit & Core

## Flywheels & Clutch Assemblies

### Lightened Single Mass Flywheels

Core Deposit

Most Models ≥'88, Including E30 M3 & E34 M5 Using a single stock mass Flywheel .....	350	150
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Models '89 >  
With Dual Mass Flywheels, require Conversions shown below

### Converting from Dual to Single Mass - Lightened Flywheel & Clutch Combinations

<b>E30 325i/s</b> with a MM 3000 or 3200 Rally Engine MM 12 lb. Lightened Single Mass Flywheel & 240mm Clutch Assembly.....	950	150
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#### E30 318is & All 4 Cyl E36 & Z3 Models

MM 11 lb. Lightened Single Mass Flywheel & 228mm Clutch Assembly.....	875	*200
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#### E36 325is, '92 - '98

MM 11 lb. Lightened Single Mass Flywheel & 228mm Clutch Assembly.....	875	*200
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#### E36 M3 328i, E34 535i, '89 - '93

MM 12.5 lb. Lightened Single Mass Flywheel & 240mm Clutch Assembly.....	1000	*200
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\*Stock Dual Mass Ring Gear required for core  
- remove and return or return the entire Flywheel

### Clutch Upgrades

Clutch Assembly 215mm.....	250
Clutch Assembly 228mm.....	325
HD Clutch Assembly 240mm.....	450
HiTorque Clutch Assembly 240mm .....	600

For Additional Racing Products,  
please call for more information - 1-573-765-1269

### Differential Key

LS = Limited Slip  
VLS = Variable Limited Slip  
1st Gen = Longer Pinion Shaft  
2nd Gen = Short Pinion Shaft  
3rd Gen = Very Short Pinion Shaft

Last Updated 4/17/2008

# Metric Mechanic **573-765-1269** for BMW's 31 Years: 1977-2008

January 1, 2008 **Product & Price List** - [www.hiperformancebmw@metricmechanic.com](http://www.hiperformancebmw@metricmechanic.com)

## Cooling

### 2002 Cooling Kits, Etc.

HiCapacity Radiator Kit, 84 Tubes ..... 350  
Cool Down Pulley & Belt,  
97mm or 113mm..... 125

### 320i Cooling Kits, Etc.

HiCapacity Radiator Kit, 84 Tubes ..... 350  
Cool Down Pulley & Belt,  
106mm, '80-'83 ..... 125

### 318i Cooling

HiVolume Fan ..... 100

### M3 - E30 Cooling

HiVolume Fan ..... 100

### 5/6 Series Cooling

HiCapacity Radiator ..... 695  
Cool Down Pulley & Belt, 91mm..... 125

### 7 Series Cooling

HiCapacity Radiator ..... 895  
Cool Down Pulley & Belt, 91mm..... 125

### Baby Six Cooling

Cool Down Pulley & Belt, 99mm..... 125

## Intake & Exhaust

### Intake

Core Deposit

M20 Pulse Chamber Intake Manifold ..... 1200 150  
M42 Pulse Chamber Intake Manifold ..... 1000 150  
Ported Intake Manifolds  
3, 5, 6, 7 Series 1984 - 1991..... 750 150  
Ported Intake Manifolds M3 Rally..... 500 \* Core  
Ported Intake Manifolds/Throttle Body  
M3 Race ..... 750 \* Core  
Ported Intake Manifolds M5/M6 Rally 750 \* Core  
Ported Intake Manifolds/Throttle Body  
38 DGES Carburetor Kit & Manifold.... 750 150

### Exhaust

Exhaust Manifolds Ported  
3, 5, 6, 7 Series 1984 - 1991..... 450 150  
System 300, E28, E24 ..... 1200  
System 300, M5, M6 ..... 1200

Core\*

No Deposit as BMW Owner Supplies their own Core for rebuilding