

REPLACEMENT INSERTS

Metric

| Part Number | Description | D's | Length (mm) | Inserts per Pack | |
|-------------|-------------|-----------|-------------|------------------|----|
| 25023 | Metric | M2-0.4 | 1.5D | 3 | 10 |
| 25013 | Metric | M2.2-0.4 | 1.5D | 3.3 | 10 |
| 25253 | Metric | M2.5-0.45 | 1.5D | 3.75 | 10 |
| 25032 | Metric | M3-0.5 | 1D | 3 | 10 |
| 25033 | Metric | M3-0.5 | 1.5 | 4.5 | 10 |
| 25034 | Metric | M3-0.5 | 2D | 6 | 10 |
| 25353 | Metric | M3.5-0.6 | 1.5D | 5.25 | 10 |
| 25042 | Metric | M4-0.7 | 1D | 4 | 10 |
| 25043 | Metric | M4-0.7 | 1.5D | 6 | 10 |
| 25044 | Metric | M4-0.7 | 2D | 8 | 10 |
| 25052 | Metric | M5-0.8 | 1D | 5 | 10 |
| 25053 | Metric | M5-0.8 | 1.5D | 7.5 | 10 |
| 25054 | Metric | M5-0.8 | 2D | 10 | 10 |
| 25062 | Metric | M6-1 | 1D | 6 | 10 |
| 25063 | Metric | M6-1 | 1.5D | 9 | 10 |
| 25064 | Metric | M6-1 | 2D | 12 | 10 |
| 25065 | Metric | M6-1.0 | 2.5D | 15 | 10 |
| 25072 | Metric | M7-1 | 1D | 7 | 10 |
| 25073 | Metric | M7-1 | 1.5D | 10.5 | 10 |
| 25074 | Metric | M7-1 | 2D | 14 | 10 |
| 27082 | Metric | M8-1 | 1D | 8 | 10 |
| 27083 | Metric | M8-1 | 1.5D | 12 | 10 |
| 27084 | Metric | M8-1 | 2D | 16 | 10 |
| 25082 | Metric | M8-1.25 | 1D | 8 | 10 |
| 25083 | Metric | M8-1.25 | 1.5D | 12 | 10 |
| 25084 | Metric | M8-1.25 | 2D | 16 | 10 |
| 25085 | Metric | M8-1.25 | 2.5D | 20 | 10 |
| 27093 | Metric | M9-1 | 1.5D | 13.5 | 10 |
| 25093 | Metric | M9-1.25 | 1.5D | 13.5 | 10 |
| 27102 | Metric | M10-1.25 | 1D | 10 | 10 |
| 27103 | Metric | M10-1.25 | 1.5D | 15 | 10 |
| 27104 | Metric | M10-1.25 | 2D | 20 | 10 |
| 27106 | Metric | M10-1.25 | 3D | 30 | 10 |
| 25102 | Metric | M10-1.5 | 1D | 10 | 10 |
| 25103 | Metric | M10-1.5 | 1.5D | 15 | 10 |
| 25104 | Metric | M10-1.5 | 2D | 20 | 10 |
| 25105 | Metric | M10-1.5 | 2.5D | 25 | 10 |
| 28113 | Metric | M11-1 | 1.5D | 16.5 | 10 |
| 27113 | Metric | M11-1.25 | 1.5D | 16.5 | 10 |
| 25112 | Metric | M11-1.5 | 1D | 11 | 10 |
| 25113 | Metric | M11-1.5 | 1.5D | 16.5 | 10 |
| 28122 | Metric | M12-1.25 | 1D | 12 | 10 |
| 28123 | Metric | M12-1.25 | 1.5D | 18 | 10 |
| 28124 | Metric | M12-1.25 | 2D | 24 | 10 |

| Part Number | | Description | D's | Length (mm) | Inserts per Pack |
|-------------|--------|-------------|------|-------------|------------------|
| 27122 | Metric | M12-1.5 | 1D | 12 | 10 |
| 27123 | Metric | M12-1.5 | 1.5D | 18 | 10 |
| 27124 | Metric | M12-1.5 | 2D | 24 | 10 |
| 25122 | Metric | M12-1.75 | 1D | 12 | 10 |
| 25123 | Metric | M12-1.75 | 1.5D | 18 | 10 |
| 25124 | Metric | M12-1.75 | 2D | 24 | 10 |
| 28133 | Metric | M13-1.25 | 1.5D | 19.5 | 10 |
| 27133 | Metric | M13-1.5 | 1.5D | 19.5 | 5 |
| 25133 | Metric | M13-1.75 | 1.5D | 19.5 | 5 |
| 27143 | Metric | M14-1.5 | 1.5D | 21 | 5 |
| 27144 | Metric | M14-1.5 | 2D | 28 | 5 |
| 25142 | Metric | M14-2 | 1D | 14 | 5 |
| 25143 | Metric | M14-2 | 1.5D | 21 | 5 |
| 25144 | Metric | M14-2 | 2D | 28 | 5 |
| 27153 | Metric | M15-1.5 | 1.5D | 22.5 | 5 |
| 25153 | Metric | M15-2. | 1.5D | 22.5 | 5 |
| 27162 | Metric | M16-1.5 | 1D | 16 | 5 |
| 27163 | Metric | M16-1.5 | 1.5D | 24 | 5 |
| 27165 | Metric | M16-1.5 | 2.5D | 40 | 5 |
| 25163 | Metric | M16-2 | 1.5D | 24 | 5 |
| 25164 | Metric | M16-2 | 2D | 32 | 5 |
| 25165 | Metric | M16-2 | 2.5D | 40 | 5 |
| 28183 | Metric | M18-1.5 | 1.5D | 27 | 5 |
| 27183 | Metric | M18-2 | 1.5D | 27 | 5 |
| 25182 | Metric | M18-2.5 | 1D | 18 | 5 |
| 25183 | Metric | M18-2.5 | 1.5D | 27 | 5 |
| 28203 | Metric | M20-1.5 | 1.5D | 30 | 5 |
| 27203 | Metric | M20-2. | 1.5D | 30 | 5 |
| 25203 | Metric | M20-2.5 | 1.5D | 30 | 5 |
| 28223 | Metric | M22-1.5 | 1.5D | 33 | 3 |
| 27223 | Metric | M22-2 | 1.5D | 33 | 3 |
| 25223 | Metric | M22-2.5 | 1.5D | 33 | 3 |
| 28243 | Metric | M24-1.5 | 1.5D | 36 | 3 |
| 27243 | Metric | M24-2 | 1.5D | 36 | 3 |
| 25243 | Metric | M24-3. | 1.5D | 36 | 3 |
| 28263 | Metric | M26-1.5 | 1.5D | 39 | 1 |
| 28273 | Metric | M27-1.5 | 1.5D | 40.5 | 1 |
| 27273 | Metric | M27-2 | 1.5D | 40.5 | 1 |
| 25273 | Metric | M27-3 | 1.5D | 40.5 | 1 |
| 28303 | Metric | M30-1.5 | 1.5D | 43.5 | 1 |
| 27303 | Metric | M30-2 | 1.5D | 45 | 1 |
| 25303-3 | Metric | M30-3 | 1.5D | 45 | 1 |
| 25303 | Metric | M30-3.5 | 1.5D | 45 | 1 |
| 28363 | Metric | M36-1.5 | 1.5D | 54 | 1 |
| 27363 | Metric | M36-3 | 1.5D | 54 | 1 |
| 25363 | Metric | M36-4 | 1.5D | 54 | 1 |
| 28393 | Metric | M39-2 | 1.5D | 58.5 | 1 |
| 27393 | Metric | M39-3 | 1.5D | 58.5 | 1 |
| 25393 | Metric | M39-4 | 1.5D | 58.5 | 1 |

| | | | | | Inserts per | |
|-------------------------|--------|-------------|------|-------------|-------------|--|
| Part Number | | Description | D's | Length (mm) | Pack | |
| 28423 | Metric | M42-2 | 1.5D | 63 | 1 | |
| 27423 | Metric | M42-3 | 1.5D | 63 | 1 | |
| 25423 | Metric | M42-4.5 | 1.5D | 63 | 1 | |
| 25423-4 | Metric | M42-4 | 1.5D | 63 | 1 | |
| SPARK PLUGS | | | | | | |
| 28102 | Metric | M10-1 | 1D | 10 | 10 | |
| 28103 | Metric | M10-1 | 1.5D | 15 | 10 | |
| 28104 | Metric | M10-1 | 2D | 20 | 10 | |
| 28108 | Metric | M10-1 | | .339" | 10 | |
| 28109 | Metric | M10-1 | | 1/2" | 10 | |
| 28140 | Metric | M14-1.25 | | 3/4" | 10 | |
| 28147 | Metric | M14 - 1.25 | | 7/16" | 10 | |
| 28148 | Metric | M14-1.25 | | 3/8" | 10 | |
| 28149 | Metric | M14 - 1.25 | | 1/2" | 10 | |
| 28189 | Metric | M18-1.5 | | 1/2" | 5 | |
| Exhaust Analyser | | | | | | |
| 28181-XUP | Metric | M18-1.5 | | 12.5 | 5 | |
| UNC | | | | | | |
| 23523 | UNC | 2-56 | 1.5D | 0.129 | 10 | |
| 23533 | UNC | 3-48 | 1.5D | 0.149 | 10 | |
| 23543 | UNC | 4-40 | 1.5D | 0.168 | 10 | |
| 23553 | UNC | 5-40 | 1.5D | 0.188 | 10 | |
| 23563 | UNC | 6-32 | 1.5D | 0.207 | 10 | |
| 23583 | UNC | 8-32 | 1.5D | 0.246 | 10 | |
| 23603 | UNC | 10-24 | 1.5D | 0.285 | 10 | |
| 23623 | UNC | 12-24 | 1.5D | 0.324 | 10 | |
| 23043 | UNC | 1/4-20 | 1.5D | 0.375 | 10 | |
| 23053 | UNC | 5/16-18 | 1.5D | 0.468 | 10 | |
| 23054 | UNC | 5/16-18 | 2D | 0.624 | 10 | |
| 23063 | UNC | 3/8-16 | 1.5D | 0.563 | 10 | |
| 23073 | UNC | 7/16-14 | 1.5D | 0.657 | 10 | |
| 23083 | UNC | 1/2-13 | 1.5D | 0.75 | 10 | |
| 23093 | UNC | 9/16-12 | 1.5D | 0.843 | 5 | |
| 23103 | UNC | 5/8-11 | 1.5D | 0.938 | 5 | |
| 23113 | UNC | 11/16-11 | 1.5D | 1.032 | 5 | |
| 23123 | UNC | 3/4-10 | 1.5D | 1.125 | 5 | |
| 23143 | UNC | 7/8-9 | 1.5D | 1.313 | 3 | |
| 23163 | UNC | 1 -8 | 1.5D | 1.5 | 3 | |
| 23183 | UNC | 1 1/8-7 | 1.5D | 1.688 | 1 | |
| 23203 | UNC | 1 1/4-7 | 1.5D | 1.875 | 1 | |
| 23223 | UNC | 1.3/8-6 | 1.5D | 2.063 | 1 | |
| 23243 | UNC | 1 1/2-6 | 1.5D | 2.25 | 1 | |
| UNF | | | | | | |
| 24533 | UNF | 3-56 | 1.5D | 0.149 | 10 | |
| 24543 | UNF | 4-48 | 1.5D | 0.168 | 10 | |
| 24563 | UNF | 6-40 | 1.5D | 0.207 | 10 | |
| 24583 | UNF | 8-36 | 1.5D | 0.246 | 10 | |

| Part Number | | Description | D's | Length (mm) | Inserts per Pack |
|-------------|-----|-------------|------|-------------|------------------|
| 24603 | UNF | 10-32 | 1.5D | 0.285 | 10 |
| 24043 | UNF | 1/4-28 | 1.5D | 0.375 | 10 |
| 24053 | UNF | 5/16-24 | 1.5D | 0.468 | 10 |
| 24063 | UNF | 3/8-24 | 1.5D | 0.563 | 10 |
| 24073 | UNF | 7/16-20 | 1.5D | 0.657 | 10 |
| 24083 | UNF | 1/2-20 | 1.5D | 0.75 | 10 |
| 24093 | UNF | 9/16-18 | 1.5D | 0.843 | 5 |
| 24103 | UNF | 5/8-18 | 1.5D | 0.938 | 5 |
| 24123 | UNF | 3/4-16 | 1.5D | 1.125 | 5 |
| 24143 | UNF | 7/8-14 | 1.5D | 1.313 | 3 |
| 24163 | UNF | 1 -12 | 1.5D | 1.5 | 3 |
| 24163-14 | UNF | 1 -14 | 1.5D | 1.5 | 3 |
| 24183 | UNF | 1.1/8-12 | 1.5D | 1.688 | 1 |
| 24203 | UNF | 1.1/4-12 | 1.5D | 1.875 | 1 |
| 24223 | UNF | 1.3/8-12 | 1.5D | 2.063 | 1 |
| 24243 | UNF | 1.1/2-12 | 1.5D | 2.25 | 1 |
| BSW | | | | | |
| 22023 | BSW | 1/8-40 | 1.5D | 0.188 | 10 |
| 22033 | BSW | 3/16-24 | 1.5D | 0.281 | 10 |
| 22043 | BSW | 1/4-20 | 1.5D | 0.375 | 10 |
| 22053 | BSW | 5/16-18 | 1.5D | 0.468 | 10 |
| 22063 | BSW | 3/8-16 | 1.5D | 0.563 | 10 |
| 22073 | BSW | 7/16-14 | 1.5D | 0.657 | 10 |
| 22083 | BSW | 1/2-12 | 1.5D | 0.75 | 10 |
| 22084 | BSW | 1/2-12 | 2D | 1 | 10 |
| 22093 | BSW | 9/16-12 | 1.5D | 0.843 | 5 |
| 22103 | BSW | 5/8-11 | 1.5D | 0.938 | 5 |
| 22123 | BSW | 3/4-10 | 1.5D | 1.125 | 5 |
| 22143 | BSW | 7/8-9 | 1.5D | 1.313 | 3 |
| 22163 | BSW | 1-8 | 1.5D | 1.5 | 3 |
| BSF | | | | | |
| 20032 | BSF | 3/16-32 | 1D | 0.188 | 10 |
| 20033 | BSF | 3/16-32 | 1.5D | 0.281 | 10 |
| 20043 | BSF | 1/4-26 | 1.5D | 0.375 | 10 |
| 20053 | BSF | 5/16-22 | 1.5D | 0.468 | 10 |
| 20054 | BSF | 5/16-22 | 2D | 0.624 | 10 |
| 20063 | BSF | 3/8-20 | 1.5D | 0.563 | 10 |
| 20064 | BSF | 3/8-20 | 2D | 0.75 | 10 |
| 20073 | BSF | 7/16-18 | 1.5D | 0.657 | 10 |
| 20082 | BSF | 1/2-16 | 1D | 0.5 | 10 |
| 20083 | BSF | 1/2-16 | 1.5D | 0.75 | 10 |
| 20093 | BSF | 9/16-16 | 1.5D | 0.843 | 5 |
| 20103 | BSF | 5/8-14 | 1.5D | 0.938 | 5 |
| 20123 | BSF | 3/4-12 | 1.5D | 1.125 | 5 |
| 20143 | BSF | 7/8-11 | 1.5D | 1.313 | 3 |
| 20163 | BSF | 1 -10 | 1.5D | 1.5 | 3 |
| BSC | | | | | |
| 26503 | BSC | 5/16-26 | 1.5D | 0.469 | 10 |

| Part Number | | Description | D's | Length (mm) | Inserts per Pack |
|----------------------|---------------|-------------|------|-------------|------------------|
| 26603 | BSC | 3/8-26 | 1.5D | 0.563 | 10 |
| 26703 | BSC | 7/16-26 | 1.5D | 0.656 | 10 |
| 26803 | BSC | 1/2-26 | 1.5D | 0.75 | 10 |
| BSP - GAS (G) | | | | | |
| 21023 | BSP - GAS (G) | 1/8-28 | 1.5D | 0.188 | 10 |
| 21024 | BSP - GAS (G) | 1/8-28 | 2D | 0.25 | 10 |
| 21042 | BSP - GAS (G) | 1/4-19 | 1D | 0.25 | 10 |
| 21043 | BSP - GAS (G) | 1/4-19 | 1.5D | 0.375 | 10 |
| 21044 | BSP - GAS (G) | 1/4-19 | 2D | 0.5 | 10 |
| 21063 | BSP - GAS (G) | 3/8-19 | 1.5D | 0.563 | 10 |
| 21064 | BSP - GAS (G) | 3/8-19 | 2D | 0.75 | 10 |
| 21083 | BSP - GAS (G) | 1/2-14 | 1.5D | 0.75 | 5 |
| 21084 | BSP - GAS (G) | 1/2-14 | 2D | 1 | 5 |
| 21103 | BSP - GAS (G) | 5/8-14 | 1.5D | 0.938 | 5 |
| 21123 | BSP - GAS (G) | 3/4-14 | 1.5D | 1.125 | 5 |
| 21163 | BSP - GAS (G) | 1 -11 | 1.5D | 1.5 | 3 |
| NPT | | | | | |
| 26023 | NPT | 1/8-27 | 1.5D | 0.1875 | 10 |
| 26043 | NPT | 1/4-18 | 1.5D | 0.375 | 10 |
| 26063 | NPT | 3/8-18 | 1.5D | 0.407 | 10 |
| 26083 | NPT | 1/2-14 | 1.5D | 0.75 | 5 |
| 26123 | NPT | 3/4-14 | 1.5D | 0.553 | 5 |
| 26163 | NPT | 1-11 1/2 | 1.5D | 1.65 | 3 |
| BA | | | | | |
| 20523 | BA | 2BA | 1.5D | 0.278 | 10 |
| 20543 | BA | 4BA | 1.5D | 0.213 | 10 |
| UNEF | | | | | |
| 24043-32 | UNEF | 1/4-32 | 1.5D | 0.375 | 10 |
| HARLEY | | | | | |
| 24043-24 | HARLEY | 1/4-24 | 1.5D | 0.375 | 10 |
| 24073-16 | HARLEY | 7/16-16 | 1.5D | 0.657 | 10 |
| BICYCLE | | | | | |
| 28107 | | M10-1 | | 6.8 | 10 |
| 24090-20 | | 9/16-20 RH | | 1/2" | 5 |
| 24090-20LH | | 9/16-20 LH | | 1/2" | 5 |