

**Title: ACTUATOR & MODULAR ADD-ON UNIT MATERIALS
OF CONSTRUCTION & STANDARD FINISHES**

| PART (Actuator Model No.) | STANDARD <u>FINISH</u> | RELATED SPECIFICATIONS | | |
|--|----------------------------------|---|---------------------|-------------------------|
| | | B.S. Spec. | AISI/SAE/UNS | ASTM |
| Actuator Casing (OM, 01, 02,03, 05, 07) | Epoxy Stove Enamel | ZL16-BSEN1774:1998 | | |
| Actuator Casing (08, 09, 10, 12, 14, 15) | Epoxy Stove Enamel | Aluminium Alloy LM24 to BS1490 | | |
| Actuator Casing (16, 18, 20, 30) | Epoxy Stove Enamel | Aluminium Alloy LM25 to BS 1490 | SAE 323 | B179-03 (ANSI 356.1) |
| Spring Casing (02, 03, 05, 07) | Epoxy Stove Enamel | ZL16-BSEN1774:1998 | | |
| Spring Casing (08, 09, 10, 12) | Epoxy Stove Enamel | Aluminium Alloy LM24 to BS1490 | | |
| Spring Casing (14, 15, 16, 18, 20) | Epoxy Stove Enamel | Aluminium Alloy LM25 to BS 1490 | SAE 323 | B179-03 (ANSI 356.1) |
| Limit Switch Casing (02, 03, 05, 07, 08, 09, 10, 12, 14, 16, 18, 20, 30) | Epoxy Stove Enamel | MAZAK 3 S 1004A | SAE 903 | AG40A |
| Positioner Casing (AP & EL) | Epoxy Stove Enamel | ZL16-BSEN1774:1998 | - | - |
| EHD Control Box Hydraulic Pump & Motor | Epoxy Stove Enamel | ZL16-BSEN1774:1998 | - | - |
| Vane (07, 08, 09, 10, 12, 15, 16, 18) | Zinc Plate | S.G.Iron BS 2789:1985 410/12 | - | A536-711 65-45-12 |
| Vane (14, 20, 30) | Zinc Plate | S.G.Iron BS 2789:1985 600/3 | | 100-70-03 |
| Vane (OM, 01, 02, 03, 05) | - | 13% Cr. Steel BS 3146:1975 TYPE ANC 1 Grade B | SAE 410 | - |
| Couplings | Zinc Plate | 080M15 | SAE 1016 | - |
| Side Plates (16, 18, 20, 30) | Epoxy Stove Enamel | 220M07 | SAE 1109 | - |
| Side Plates (01, 02, 03, 05, 07, 08, 09, 10, 12, 14, 15) | - | Moulded – Glass Filled Nylon 66 | | |
| Side Plate (OM) | - | ZL16-BSEN1774:1998 | - | - |
| Seal Expanders | - | 302S25 | AISI 302 | - |
| Clock Type Spring | - | CS 80 to BS 1449 | SAE 1074/1080 | - |

| | | | | |
|------------|------------------|------------------|---|--------------|
| Issue P | Signed D.G.W. | Date 19/02/14 | KINETROL Trading Estate Farnham Surrey England | Doc.No. TD14 |
| | | | | Page 1 of 2 |

**Title: ACTUATOR & MODULAR ADD-ON UNIT MATERIALS
OF CONSTRUCTION & STANDARD FINISHES**

| PART (Actuator Model No.) | STANDARD FINISH | RELATED SPECIFICATIONS | | |
|---|----------------------------|-------------------------------------|---------------------|-------------|
| | | B.S. Spec. | AISI/SAE/UNS | ASTM |
| Vane Seals (Std.) (High Temp.) | - | Polyurethane Fluorocarbon rubber | | |
| Shaft Seals (Std.) (High Temp.) | - | NBR Fluorocarbon rubber | | |
| Override Square (L/Switches 02, 03, 05, 07, 08, 09, 10,12,14,16,18, Spring Returns 01, 02, 03,05, 07, 08, 09, 10, 12, 14, 16, 18, 20, 30 & EHD) | Zinc Plate | 220M07 or 080M15 | - | SAE 1016 |
| Actuator Case Screws | - | BS 6105 Stainless Steel | | |
| Actuator Bearing - all actuators | - | PTFE/Bronze Backed Steel | | |
| Spring Return Bearing | - | PTFE/Bronze Backed Steel | | |
| Din Flange (03, 05, 07, 08, 09) | Epoxy Stove Enamel | ZL16-BSEN1774:1998 | | |
| Din Flange (12, 14, 15) | Epoxy Stove Enamel | Aluminium Alloy LM24 to BS1490 | | |
| Din Flange Fixing Screws | Zinc Plate | High Tensile Steel | | |
| Positioner Indicator | - | Glass filled Nylon 66 | | |
| Namur Adaptor | Epoxy Stove Enamel | ZL16-BSEN1774:1998 | | |
| ISO Adaptor | Epoxy Stove Enamel | ZL16-BSEN1774:1998 | | |
| Position Monitor – Std. | - | Polycarbonate | | |
| – Chemically resistant | - | Polyurethane | | |
| – Anti-static | - | ABS | | |
| K-Box – casing | Epoxy Stove Enamel | Aluminium Alloy LM25 to BS1490 | | |
| – handwheel (sizes 05, 07, 09, 10 & 12) | Epoxy Stove Enamel | Aluminium Alloy LM25 to BS1490 | | |
| – handwheel (size 14) | Epoxy Stove Enamel | Low Carbon Steel | | |
| – input shaft | - | Stainless Steel 431S29(EN57) | | |
| – output shaft | Zinc Plate | Low Carbon Steel | | |

**KINETROL RESERVES THE RIGHT TO USE SUPERIOR MATERIALS
WITHOUT PRIOR NOTICE**

| | | | | | |
|------------|------------------|------------------|-----------------|--|--------------|
| Issue P | Signed D.G.W. | Date 19/02/14 | KINETROL | Trading Estate Farnham Surrey England | Doc.No. TD14 |
| | | | | | Page 2 of 2 |