Fixed Torque HHPT Part Name Material 1)Hinge Plate SUS304 4-04.3 2 Plastic Barrel Polyacetal 3Shaft SUS303 (4)Plate SUS304 SUSXM7 5Swage Pin Caution Use two hinges for one door/lid Align the axes of the two hinges. . Do not use the hinges outdoors or in any places where oil or grease adheres to the hinges. 4-R Do not use the hinges in any places requiring continuous open-close movements. · Given the product characteristics, vertical usage is not assumed. For vertical use, adjust allowable load and torque value to the actual operating conditions. 0 Operating Temp. Range: -10°C ~ 50°C RoHS10 Operating Humidity Range: 90%RH or lower 
 Part Number
 Rated Torque\*
 Mass

 Type
 No.
 N·m
 kgf·cm
 (g)
Ref.: Torque Change Table, Room Temp. (20+15°C), Humidity 90%RH or Lower Unit Price Volume Discount Rate Ð LWPJST Е Example 1 ~ 19 pc (s). 20~50 0.35 3.4 15 32 36 18 7.5 21 1.2 4.25 7.5 6.9 28 40 48 26 8 32 1.2 4.75 8.5 7 07 1.5 14.7 64 50 48 36 8 32 2 6.5 12 15 \* Rated torque has a margin of error between +40% and -20%. \* Rated torque value is for a single hinge. 20 000 Time Opening / Closing Frequency→ Values are measured by using HHPT15 for reference, and not guaranteed Ordering Part Number Opening/closing frequency: 5 times per minute (0° ~ 160° per opening/closing) \* The torque is set to a value higher than the rated torque before shipping G. Example HHPT7 considering the torque degradation due to aging and temperature/humidity change How to Select Torque Hinges When operated as a lid as shown on right, calculate the necessary torque according to the following formula before selecting a torque hinge that satisfies the specifications. (Assume that the lid's center of gravity lies in the middle.) [Formula] Max. Torque T= L / 2 x m (Weight: kg) x 9.8 (Newton: N) m (Lid Weight) (Ex.) When L=0.3m and m=2kg, Max. Torque T =0.3/2x2x9.8=2.94N+m. ⇒ Select 2 pcs. of HHPT15. Adjustable Torque  $\mathbf{e}$ HHPTF Part Name MMaterial Surface Treatment Example **HHPTFB** Main Body A6063 Anodize S Bushing Polyaceta Use a hex wrench to adjust torque value. P1 P2 Hex Socket Head Cap Screw SUSXM7 If tightened with a force of 1.5N • m or more, a hex wrench might be damaged. 0 4-06 5 Ø11Counter 6 Table of Weight Selection Guide (per Hinge) 30 kg<sup>11</sup>0.100.150.200.250.300.350.400.450.500.550.60 Clear Anodize Black Anodize Allowable Part Numbe \* Rated Torque Load Part Number Mas Unit Price Volume Discount Rate Unit Price Volume Discount Rate s P1 P2 - J HHPTF6, HHPTF8-6, HHPTF8, HHPTFB6, (g) Туре No. kg N N∙m kaf · cm ~ 8 pc (s). 9~50 1 ~ 8 pc (s). 9~50 HHPTER8-6 HHPTER8 32 16 16 13. 6 HHPTF 10 54 37 16 21 13.5 8-6 98 (Black Anodize) 4.9 50 42 21 21 8.5 8 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 \* The allowable load is the value when 2 pieces are used. \* Rated torque value is for a single hinge Ordering Part Number Example HHPTF8 [Formula Max, Torque T = L/2 x m (Weight: kg) x (Newton: N \*Torque is common to HHPTF and HHPTFB. Adjust the torque by tightening the screw in reference "Table of Weight Selection to the

 Guide
 Door Dim."
 below.

 000r Dim. (m)
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