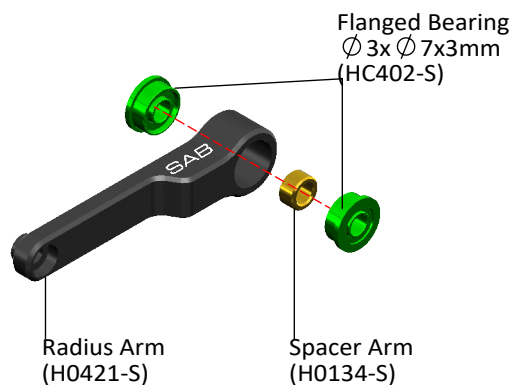




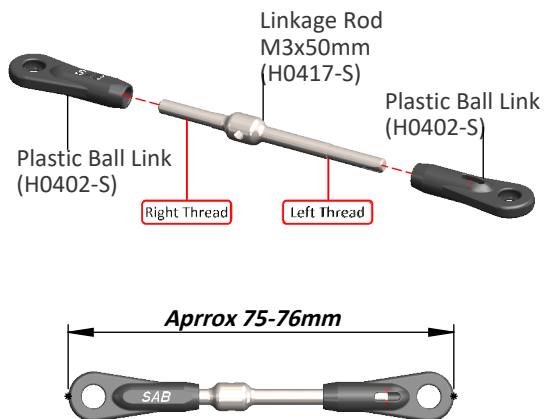
THIS PAGE REPLACES PAGE 11 OF THE 2 BLADES KRAKEN MANUAL.

BAG 6

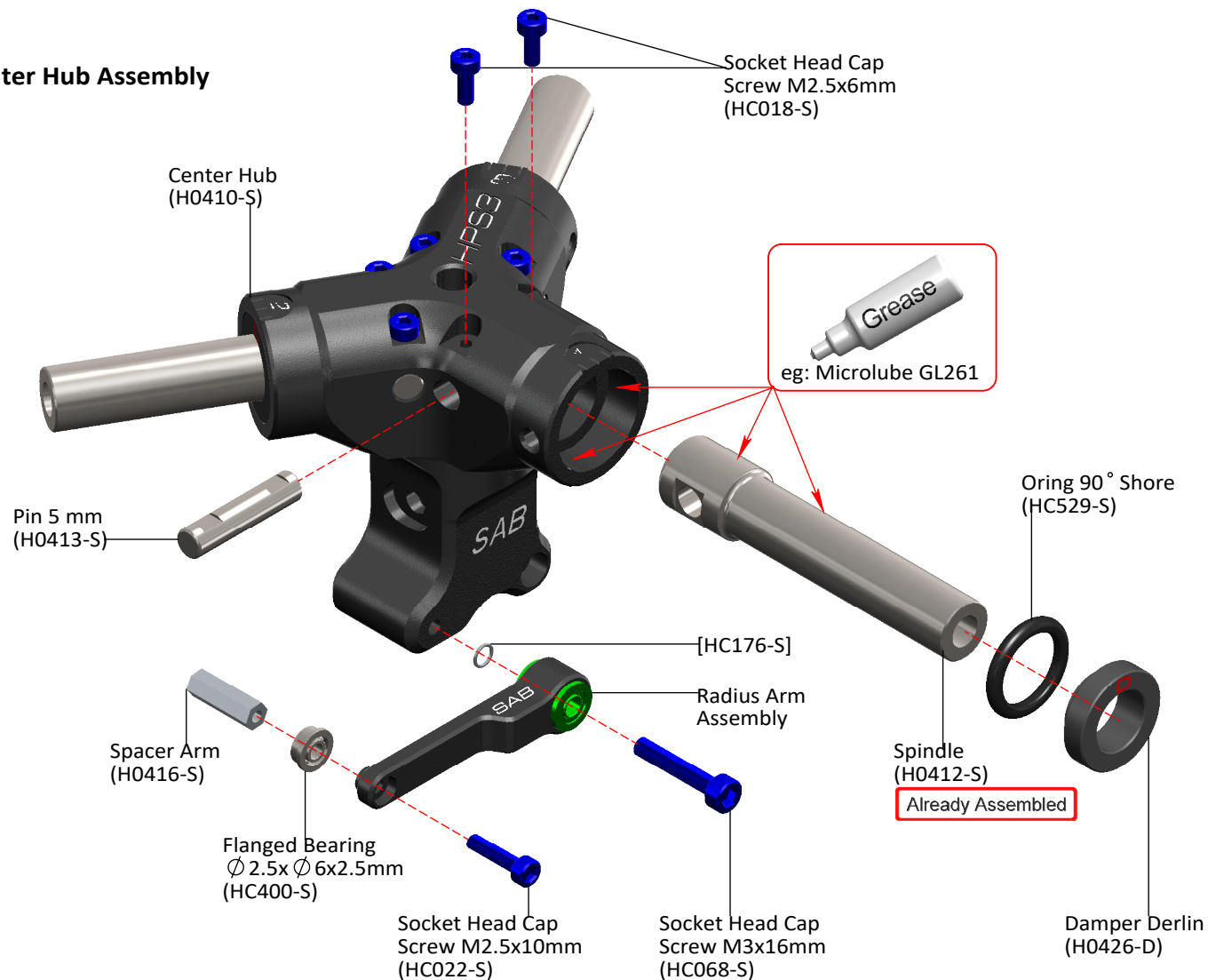
Radius Arm Assembly ... x 2

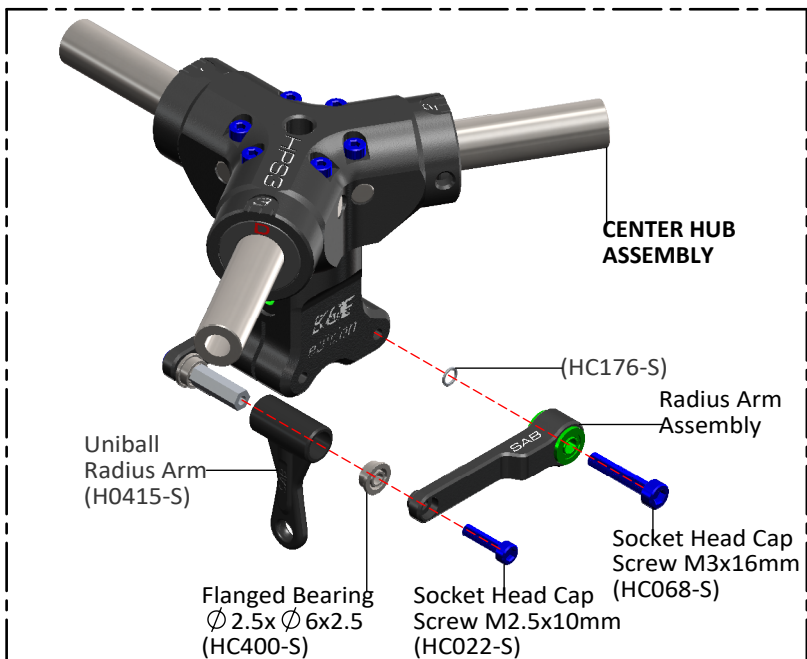


Main Linkage Assembly ...x3



Center Hub Assembly

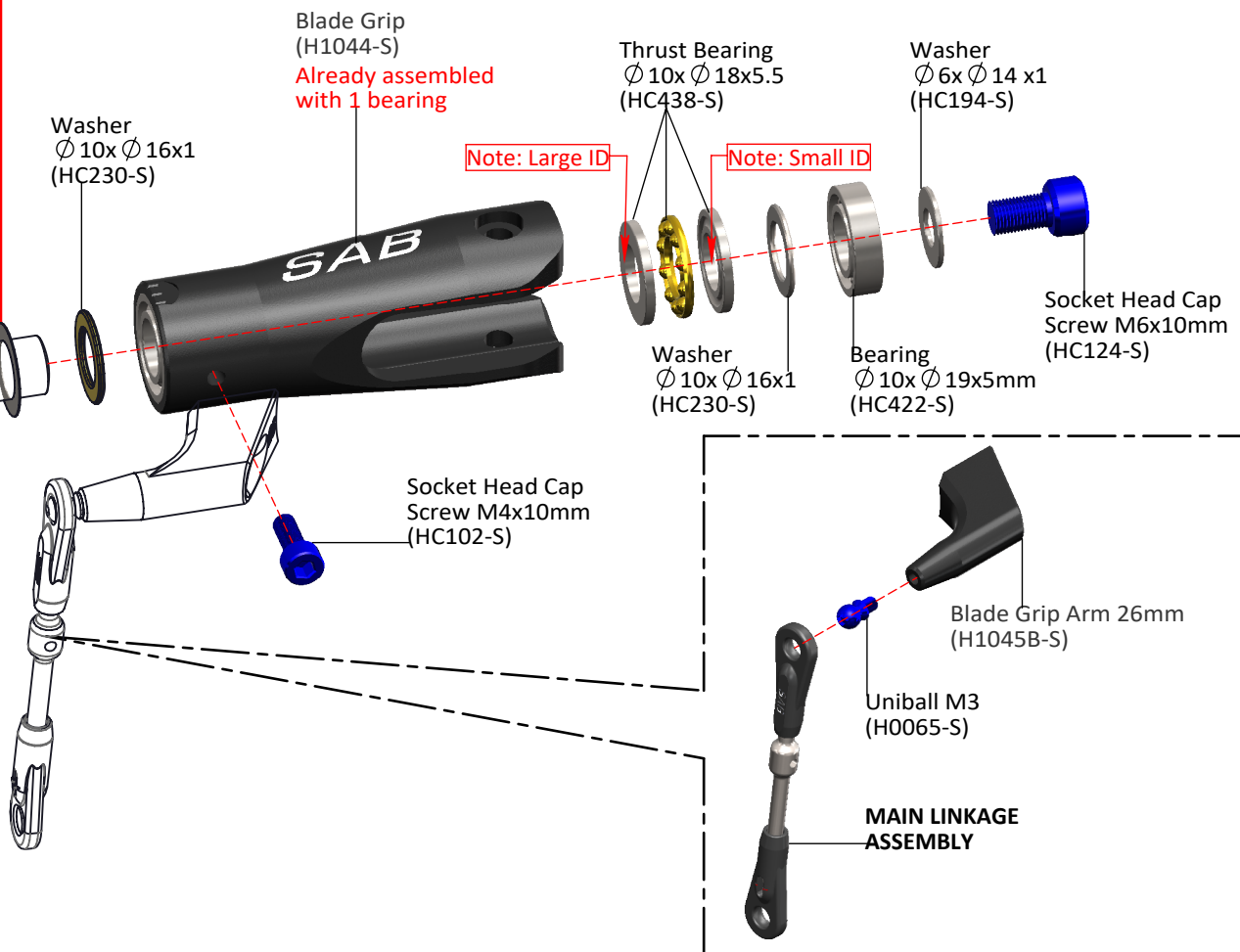




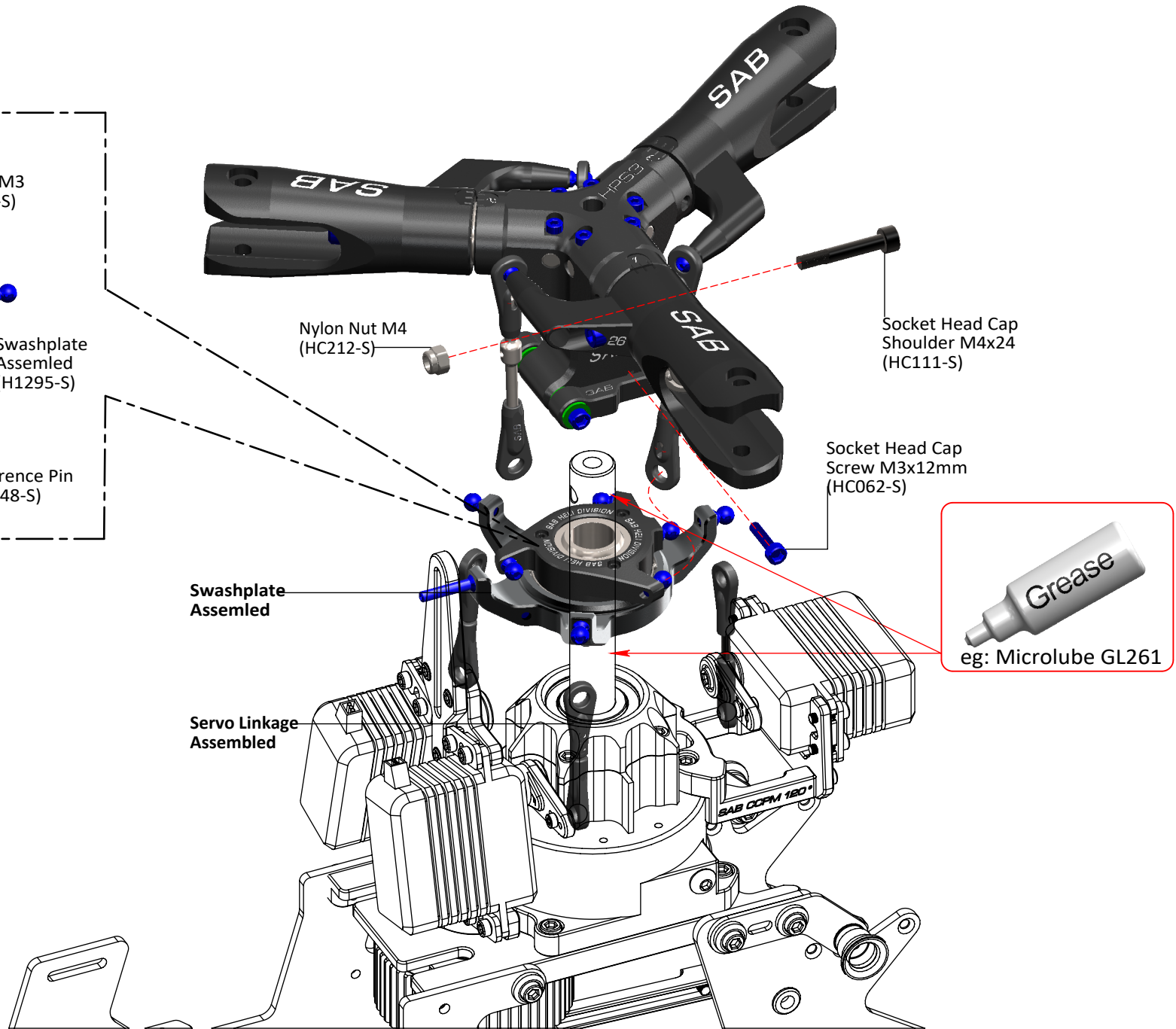
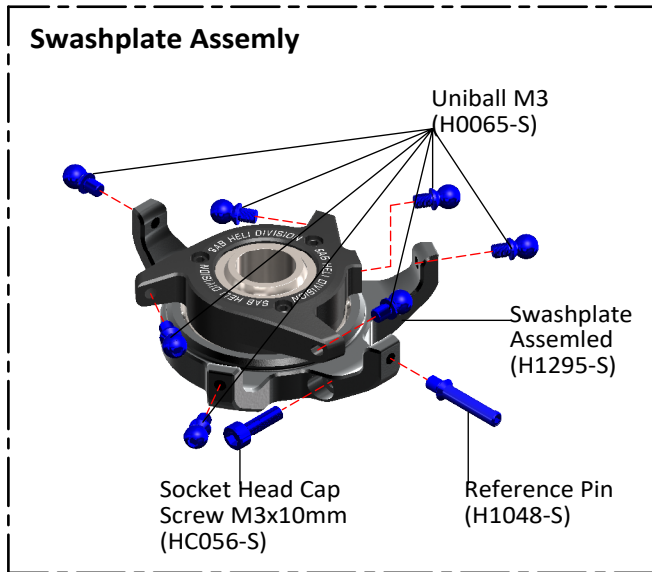
NOTE:

Washer 10x 16x0.2mm [HC232-S]

The HPS head should be assembled with one, 1mm shim (HC230) on each side. The blade grips must move freely, but they should not move just under their own weight. After approximately 10/20 flights, please check preload, you can add one or two 0.2mm shim (HC232) if preload has changed.

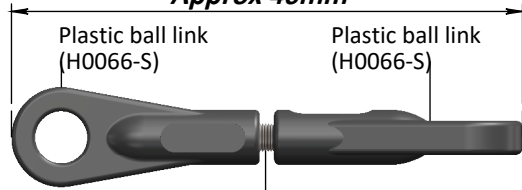


BAG 8



LINKAGE ROD B_1 ASSEMBLY ... x2

Approx 46mm

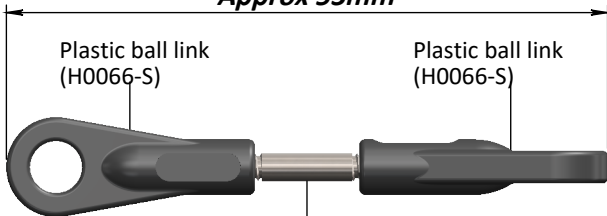


Set Screw M2.5x18mm
(HC140-S)

Initial length for the rods from the servos to the swash plate.

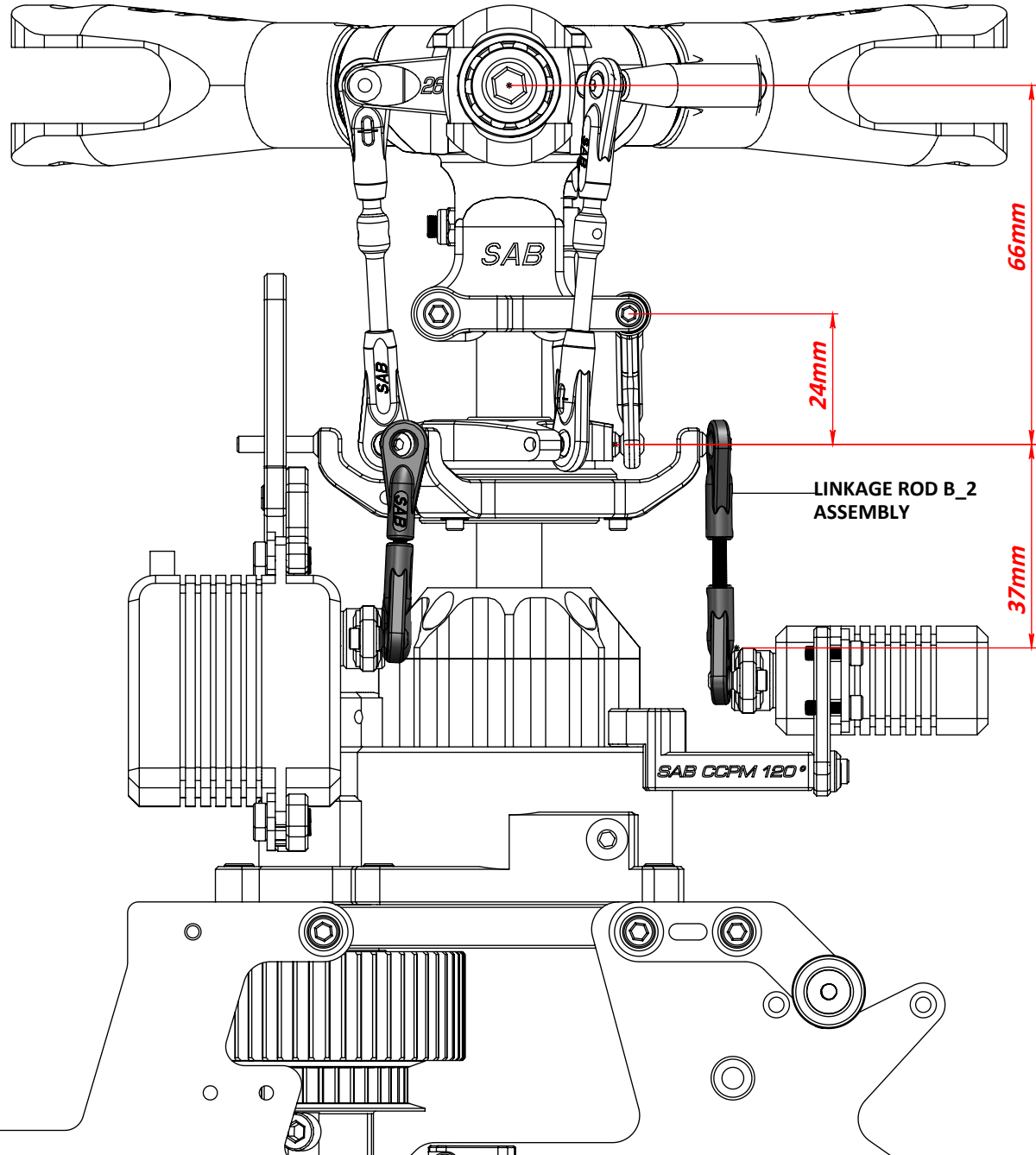
LINKAGE ROD B_2 ASSEMBLY ... x1

Approx 53mm



Set Screw M2.5x28mm
(HC618-S)

Initial length for the rods from the servos to the swash plate.



TRANSMISSION SETUP

It is important to choose the right reduction ratio to maximize efficiency based on your required flight performance.

It is recommended to use wiring and connectors appropriate for the currents generated in a helicopter of this class.

If you are using a head speed calculator which requires a main gear and pinion tooth count, use 216 teeth for the main gear (this takes into account the two stage reduction) and the tooth count of your pulley as the pinion count.

BELOW IS A LIST OF AVAILABLE REDUCTION RATIOS:

H0175-18-S - **18T** Pinion = ratio **12.1:1**

H0175-22-S - **22T** Pinion = ratio **9.9:1**

H0175-19-S - **19T** Pinion = ratio **11.5:1**

H0175-23-S - **23T** Pinion = ratio **9.5:1**

H0175-20-S - **20T** Pinion = ratio **10.9:1**

H0175-24-S - **24T** Pinion = ratio **9.1:1**

H0175-21-S - **21T** Pinion = ratio **10.4:1**

H0175-25-S - **25T** Pinion = ratio **8.7:1**

GOBLIN KRAKEN RAW KSE CONFIGURATIONS					
Battery	Motor	ESC	Pinion (a, b)	RPM Max (a, b)	Pitch
12S 4200/5500 mAh	Xnova 4530-525	HobbyWing 200A	20T / 21T	2000/2100	± 13
	Scorpion HKIII 4525-520	Tribunus II 14-200A			
	Kontronik Pyro 800-480	Kosmic 200A	22T / 23T		
		YGE 205HVT			

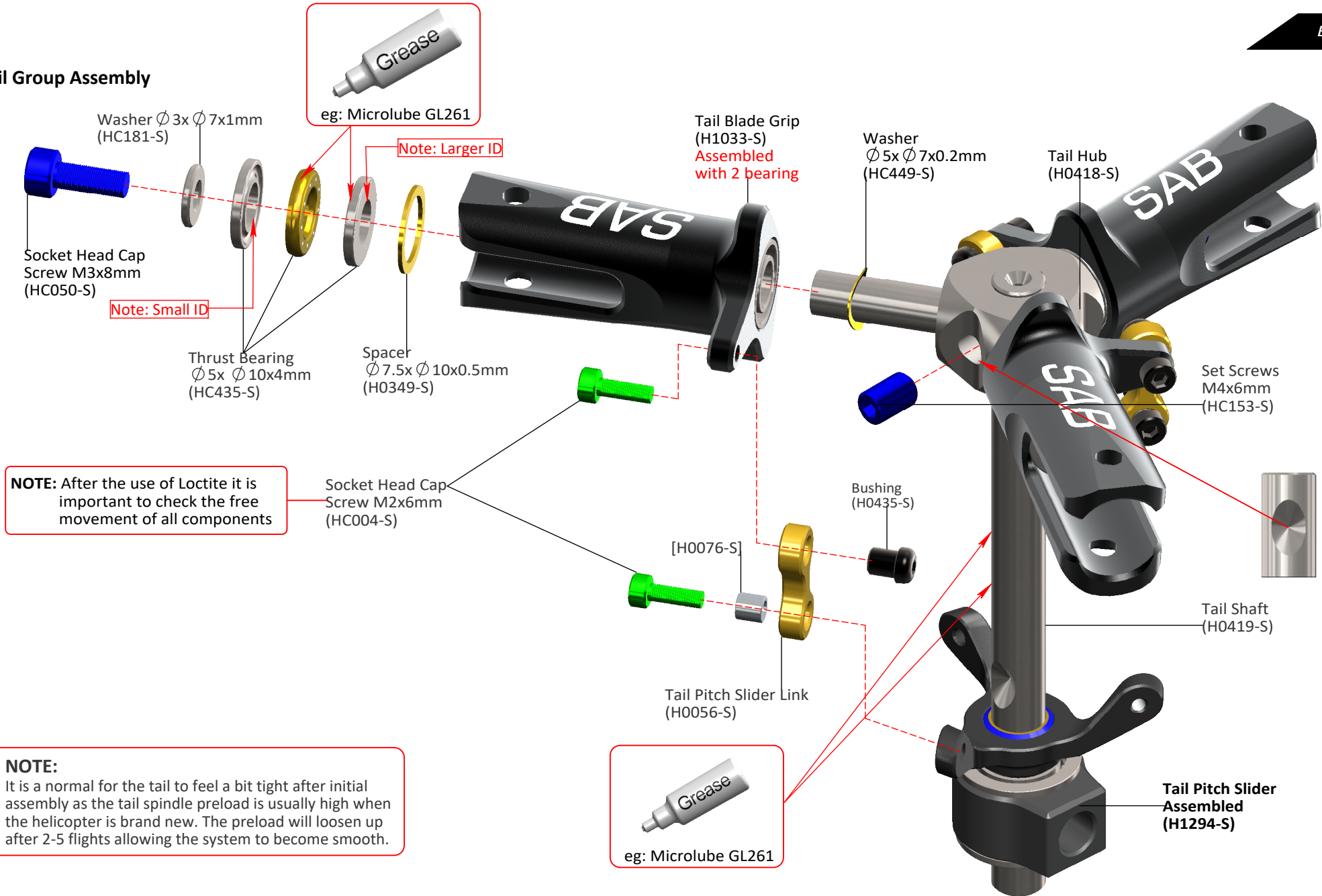
Rev:01



Note: For safety reasons we suggest to not exceed 2100rpm.

THE PULLEY ON THE KIT H0175-20

Tail Group Assembly



eg: Microlube GL261

Note: Larger ID

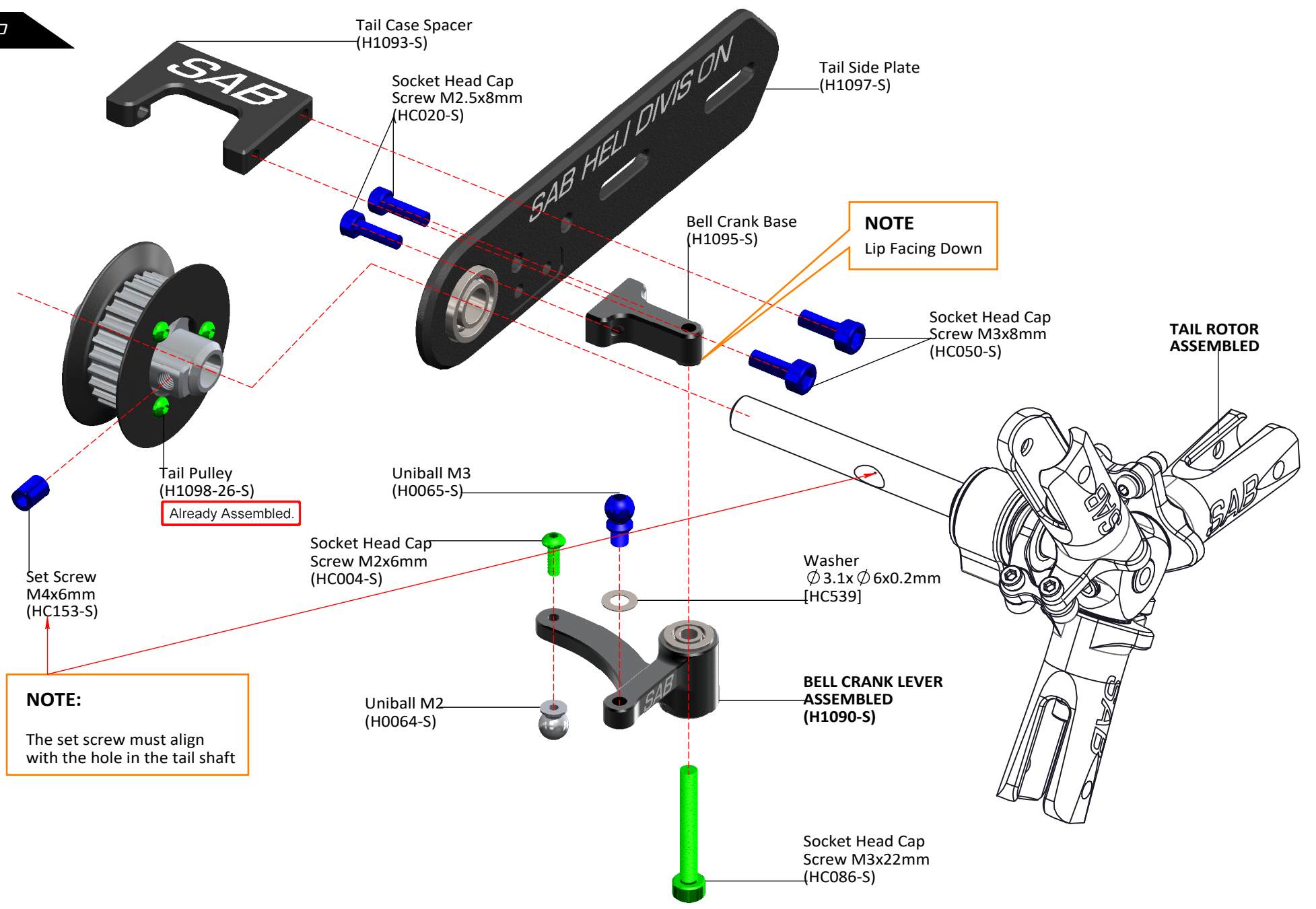
Note: Small ID

NOTE: After the use of Loctite it is important to check the free movement of all components

NOTE: It is a normal for the tail to feel a bit tight after initial assembly as the tail spindle preload is usually high when the helicopter is brand new. The preload will loosen up after 2-5 flights allowing the system to become smooth.

eg: Microlube GL261



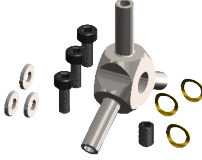
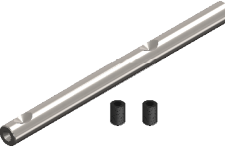




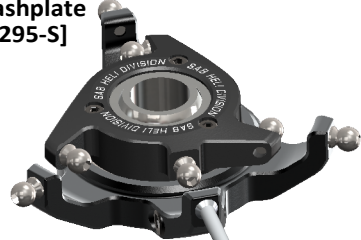
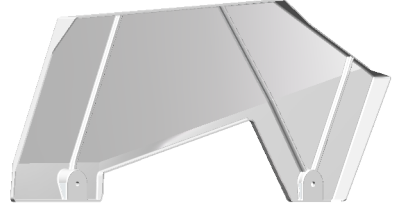
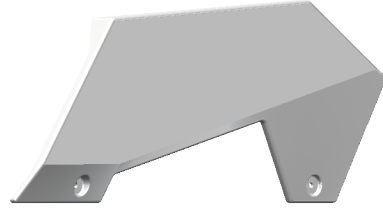
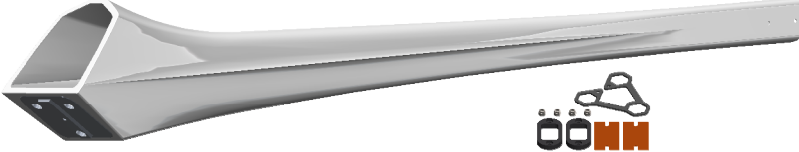


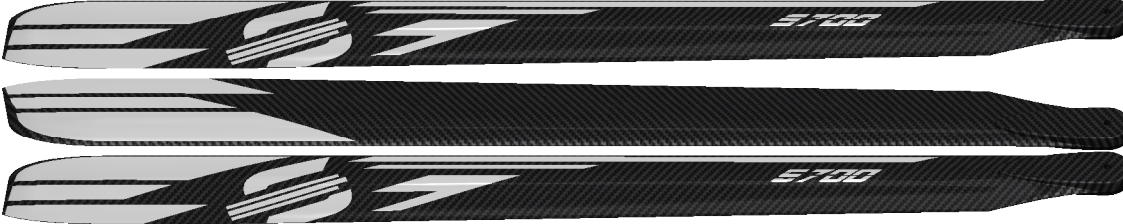

BAG 10



NOTE
Lip Facing Down

Already Assembled.

NOTE:
The set screw must align with the hole in the tail shaft

<p>Center Hub [H0410BM-S]</p>  <ul style="list-style-type: none"> - 1 x Center Hub. - 2 x Socket M4x24mm. - 2 x Socket M3x12mm. - 1 x Nylon Nut M4. 	<p>Spindle [H0412-S]</p>  <ul style="list-style-type: none"> - 2 x Spindle. - 2 x Pin 5mm. - 4 x Head Cap Screw M2.5x6mm. - 2 x Head Cap Screw M4x10mm - 2 x Washer $\phi 6,3 \times \phi 15 \times 1\text{mm}$ 	<p>Tail Hub [H0418-S]</p>  <ul style="list-style-type: none"> - 1 x Tail Hub. - 1 x Set Screw M4x6mm. - 3 x Head Cap Screws M3x8mm. - 3 x Washer $\phi 3 \times \phi 7 \times 1\text{mm}$. - 3 x Washer $\phi 5 \times \phi 7 \times 0,2\text{mm}$. 	<p>Tail Shaft [H0419-S]</p>  <ul style="list-style-type: none"> - 1 x Tail Shaft. - 2 x Set Screws M4x6mm. 	<p>Radius Arm [H0421-S]</p>  <ul style="list-style-type: none"> - 2 x Radius Arms. - 1 x Spacer Hex. - 1 x Uniball Radius Arms. - 2 x Spacer Arm $\phi 3 \times \phi 5 \times 2,7$. - 2 x Head Cap Screws M3x16. - 2 x Head Cap Screws M2.5x10. - 2 x Flanged Bearings $\phi 2,5 \times \phi 6 \times 2,5$. - 4 x Flanged Bearings $\phi 3 \times \phi 7 \times 3$.
<p>Damper [H0426-S]</p>  <ul style="list-style-type: none"> - 3 x H0426-A. - 3 x H0426-B. - 3 x H0426-C. - 3 x Orings 90 shore. - 3 x Washers $\phi 10 \times \phi 16 \times 1\text{mm}$. - 3 x Washers $\phi 10 \times \phi 16 \times 0,2\text{mm}$. 	<p>Pin M2 [H0435-S]</p>  <ul style="list-style-type: none"> - 3 x Pin M2. - 3 x Spacer $\phi 2 \times \phi 3 \times 3\text{mm}$. - 3 x Tail Pitch Slider Link. - 6 x Head Cap Screws M2x6mm. 	<p>Tail Pitch Slider [H1294-S]</p>  <ul style="list-style-type: none"> - 1 x Tail Pitch Slider Assembled. 	<p>Swashplate [H1295-S]</p>  <ul style="list-style-type: none"> - 1 x Swashplate Assembly. - 7 x Uniball M3. - 1 x Reference Pin. 	<p>Low Side Frame DX [H1693-S]</p>  <ul style="list-style-type: none"> - 1 x Low Side Frame DX.
<p>Low Side Frame SX [H1692-S]</p>  <ul style="list-style-type: none"> - 1 x Low Side Frame SX. 	<p>Kraken KSE Boom [H1691-S]</p>  <ul style="list-style-type: none"> - 1 x Tail Boom Kraken KSE. - 2 x Locking Element Tail. - 4 x Metric Hex Nylon Nuts M3. 		<p>Kraken KSE Canopy [H1690-S]</p>  <ul style="list-style-type: none"> - 1 x Canopy Kraken. - 2 x Canopy Grommet. 	
<p>MAIN BLADE HOLDER [HA090-S]</p>  <ul style="list-style-type: none"> - 1 x Main Blade Holder. 	<p>MAIN BLADES [S7003]</p>  <ul style="list-style-type: none"> - 3 x Main Blade 700mm. 		<p>TAIL BLADES [S1053]</p>  <ul style="list-style-type: none"> - 3 x Tail Blade 105mm. 	