



APC
Torque Setting Chart













APC Titanium Structural Components

Please note images are for reference only and are not to scale

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NTI-00MS		Titanium Rotatable Pyramid w/Male Thread and Centre Hole			
NTI-01MS		Titanium Rotatable Pyramid w/Female Thread & Clamp	M5X0.8X25 CLAMP SCREW	7	9
NTI-100C		Titanium 30mm Tube Clamp Adapter	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NTI-100C-FL		Titanium 30mm Tube Clamp Adapter	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NTI-100C-LONG		Titanium 30mm Tube Clamp Adapter LONG (84mm)	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NTI-100C-SH		Titanium 30mm Tube Clamp Adapter SHORT w/Inside KNURL	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NTI-105C		Titanium 30mm Tube Clamp Adapter w/5mm Offset Receiver	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NTI-10TC		10" 30mm Pylon w/Titanium Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-10TC-I		10" 30mm Pylon w/Internal Titanium Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-110LONG		Titanium 30mm Pylon (LONG) w/ Receiver Adapter - Overall Length = 3.8"	M8X1.25X12 SET SCREW	11	15
NTI-110SH		Titanium 30mm Pylon (SHORT) w/ Receiver Adapter - Overall Length of 2.06" Accommodates 1 - NTI-100C	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NTI-112-P		Titanium 30mm Pylon (SHORT) w/ Pyramid Adapter - Overall Length of 2.46" Accommodates 1 - NTI-100C			



Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NTI-112-P		Titanium 30mm Pylon (SHORT) w/ Pyramid Adapter - Overall Length of 2.46" Accommodates 1 - NTI-100C			
NTI-115DM		Titanium Dual Pyramid Adapter			
NTI-120P		Titanium 30mm Tube Clamp w/Pyramid Adapter	M5X0.8X20 CLAMP SCREW	7	9
NTI-125P		Titanium Pyramid / Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-132D		Titanium 32mm Dual Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-145D		Titanium 45mm Dual Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-160D		Titanium 60mm Dual Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-175D		Titanium 75mm Dual Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-17TC		17" 30mm Pylon w/Titanium Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-17TC-I		17" 30mm Pylon w/Internal Titanium Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-205C		Titanium 5 Degree Angled Tube Clamp Adapter	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NTI-210C		Titanium 10 Degree Angled Tube Clamp Adapter	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15

APC Titanium Structural Components

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NTI-215C		Titanium 15 Degree Angled Tube Clamp Adapter	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NTI-400A		Titanium Offset 4 Hole Pyramid Adapter (Axial)			
NTI-400B		Titanium 4 Hole Pyramid Adapter			
NTI-400BIL		Titanium 4 Hole Pyramid Adapter (ROUND Base)			
NTI-400D		Titanium Offset 4 Hole Pyramid Adapter (Diagonal)			
NTI-400RM		Titanium 4 Hole Rotatable Pyramid Adapter			
NTI-406PAT		Titanium Rotatable Pyramid Adapter w/ Threaded 4 Hole Base	M6X20 MOUNTING SCREWS	11	15
			M6X25 MOUNTING SCREWS	11	15
NTI-420L		Titanium Round 4 Hole Threaded Plate (.188" Thick)	M6X20 MOUNTING SCREWS	11	15
			M6X25 MOUNTING SCREWS	11	15
NTI-425BH		Titanium 4 Hole Pyramid Adapter w/ Centre Hole			
NTI-450BF		Titanium 4 Hole Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-455RF		Titanium 4 Hole Rotatable Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NTI-456PAT		Titanium Rotatable Receiver Adapter w/ 4 Hole Threaded Base	M8X1.25X12 SET SCREW	11	15
			M6X20 MOUNTING SCREWS	11	15
			M6X25 MOUNTING SCREWS	11	15

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NTI-460B		Titanium 4 Hole Clamping Adapter w/ Centre Thread (BASE ONLY)	M5X.08X25 CLAMP SCREW	7	9
			M6X25 MOUNTING SCREWS	11	15
			M6X25 SOCKET HEAD MOUNTING SCREWS	11	15
NTI-460TB		Titanium 4 Hole Clamping Adapter w/ Centre Thread (BASE ONLY) All 4 Holes Counter Sunk	M5X.08X25 CLAMP SCREW	7	9
			M6X25 MOUNTING SCREWS	11	15
NTI-460TRM		Titanium 4 Hole Clamping Adapter (Centre Thread) w/Rotatable Pyramid - All 4 Holes Counter Sunk	M5X0.8X25 CLAMP SCREW	7	9
			M6X25 MOUNTING SCREWS	11	15
NTI-465RF		Titanium 4 Hole Clamping Adapter (Centre Thread) w/Rotatable Receiver	M5X0.8X25 CLAMP SCREW	7	9
			M6X25 MOUNTING SCREWS	11	15
			M6X25 SOCKET HEAD MOUNTING SCREWS	11	15
NTI-465TRF		Titanium 4 Hole Clamping Adapter (Centre Thread) w/Rotatable Receiver - All 4 Holes Counter Sunk	M5X.08X25 CLAMP SCREW	7	9
			M6X25 MOUNTING SCREWS	11	15
			M8X1.25X12 SET SCREW	11	15
NTI-4PRWH		Titanium 4 Hole Pyramid with Centre Hole (Round Base w/Rotation Slots)	M6X1.0X20 CAP HEAD MOUNTING SCREW	11	15
			M6X1.0X25 CAP HEAD MOUNTING SCREW	11	15
NTI-4RR		Titanium 4 Hole Receiver (Round Base w/Rotation Slots)	M6X1.0X20 CAP HEAD MOUNTING SCREW	11	15
			M6X1.0X25 CAP HEAD MOUNTING SCREW	11	15

APC Stainless Steel Structural Components

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NSS-00MS		Stainless Steel Rotatable Pyramid w/ Male Thread and Centre Hole			
NSS-01MS		Stainless Steel Rotatable Pyramid w/ Female Thread & Clamp	M5X.08X25 CLAMP SCREW	7	9

APC Stainless Steel Structural Components

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NSS-100C		Stainless Steel 30mm Tube Clamp Adapter	M5X0.8X20 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NSS-10TC		10" 30mm Pylon w/Stainless Steel Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NSS-132D		Stainless Steel 32mm Dual Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NSS-145D		Stainless Steel 45mm Dual Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NSS-160D		Stainless Steel 60mm Dual Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NSS-175D		Stainless Steel 75mm Dual Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NSS-17TC		17" 30mm Pylon w/Stainless Steel Receiver Adapter	M8X1.25X12 SET SCREW	11	15
NSS-300LM		Stainless Steel 3 Prong Laminating Base (MALE THREAD)			
NSS-400B		Stainless Steel 4 Hole Pyramid Adapter			
NSS-425BH		Stainless Steel 4 Hole Pyramid Adapter w/Centre Hole			
NSS-460TB		Stainless Steel 4 Hole Clamping Adapter w/Female Thread (BASE ONLY)	M6x1.0x20 CLAMP SCREW	11	15
			M6X25 MOUNTING SCREWS	11	15
NSS-500P		Stainless Steel Foot Pyramid Adapter (Bolt and Pins Included)	M10X1.25X65 FOOT BOLT	20	32

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NSS-50FS		Stainless Steel Rotatable Receiver w/ Male Thread	M8X1.26X12 SET SCREW	11	15
NSS-60FS		Stainless Steel Rotatable Receiver w/ Female Thread & Clamp	M5X.08X25 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NSS-700LM		Stainless Steel 3 Prong Laminating Base (MALE THREAD) w/Stainless Steel Rotatable Pyramid Adapter	M5X.08X25 CLAMP SCREW	7	9
NSS-740L		Stainless Steel 4 Prong Laminating Base w/Fixed Pyramid Adapter			
NSS-750LM		Stainless Steel 3 Prong Laminating Base (MALE THREAD) w/Stainless Steel Rotatable Receiver Adapter	M5X.08X25 CLAMP SCREW	7	9
			M8X1.25X12 SET SCREW	11	15
NSS-800BASE		Stainless Steel 3 Prong Laminating Base w/Female Thread (Includes Lamination Cap)	M6x1.0x20 CLAMP SCREW	11	15
NSS-800LM		Stainless Steel 3 Prong Laminating Base (Female Thread) w/Stainless Steel Rotatable Pyramid Adapter (Includes Lamination Cap)	M6x1.0x20 CLAMP SCREW	11	15
NSS-810LM		Stainless Steel 3 Prong Laminating Base w/Fixed Stainless Steel Pyramid Adapter (Includes Lamination Cap)			
NSS-840BASE		Stainless Steel 4 Prong Laminating Base w/Female Thread (Includes Lamination Cap)	M6X1.0X20 CLAMP SCREW	11	15
NSS-840LM		Stainless Steel 4 Prong Laminating Base (Female Thread) w/Stainless Steel Rotatable Pyramid Adapter (Includes Lamination Cap)	M6X1.0X20 CLAMP SCREW	11	15
NSS-845LM		Stainless Steel 4 Prong Laminating Base (Female Thread) w/Stainless Steel Rotatable Receiver Adapter (Includes Lamination Cap)	M6X1.0X20 CLAMP SCREW	11	15
NSS-850LM		Stainless Steel 3 Prong Laminating Base (Female Thread) w/Stainless Steel Rotatable Receiver Adapter (Includes Lamination Cap)	M6X1.0X20 CLAMP SCREW	11	15
			M8X1.25X12 SET SCREW	11	15

APC Heavy Duty Structural Components

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NHD-100C		Heavy Duty Titanium 34mm Tube Clamp (Rated to 500 lbs)	M6X1.0X20 CLAMP SCREW	11	15
			M10X16 SET SCREW	11	15
NHD-100C-A		Heavy Duty Titanium 34mm Tube Clamp w/30mm Receiver Adapter (Rated to 500 lbs)	M6X1.0X20 CLAMP SCREW	11	15
			M10X16 SET SCREW	11	15
NHD-105C		Heavy Duty Titanium 34mm Tube Clamp w/5mm Offset (Rated to 500 lbs)	M6X1.0X20 CLAMP SCREW	11	15
			M10X16 SET SCREW	11	15
NHD-110SH		Heavy Duty Titanium 34mm Pylon w/Receiver Adapter (Rated to 500 lbs)	M10X16 SET SCREW	11	15
NHD-110LONG		Heavy Duty Titanium 34mm Pylon (LONG) w/Receiver Adapter - LONG (PYLON = 2.00" - 3.21" Overall) (Rated to 500lbs)	M10X16 SET SCREW	11	15
NHD-132D		Heavy Duty Titanium 34mm Dual Receiver Adapter (Rated to 500 lbs)	M10X16 SET SCREW	11	15
NHD-425BH		Heavy Duty Titanium 34mm Pyramid Adapter (Rated to 500 lbs)	M6X1.0X20 CLAMP SCREW	11	15
NHD-500P		Heavy Duty Titanium 34mm Foot Pyramid Adapter w/Bolt (Rated to 500 lbs)	M14X1.5X70 FOOT BOLT	20	32
NHD-740L		Heavy Duty Titanium 34mm 4 Prong Laminating Pyramid (Rated to 500 lbs)			
NHD-745L		Heavy Duty Titanium 34mm 4 Prong Laminating Receiver (Rated to 500 lbs)	M10X16 SET SCREW	11	15
NHD-745L-A		Heavy Duty Titanium 4 Prong w/30mm Receiver (Rated to 500 lbs)	M10X16 SET SCREW	11	15
NHD-AL-PYLON		Heavy Duty 34mm Aluminium Pylon 11.75" Length (Rated to 500 lbs)			

APC Aluminium Structural Components

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NAL-410-FLPL		Aluminium 10 Degree Flexion Plate	M6x14 MOUNTING SCREW	11	15
NAL-415-FLPL		Aluminium 15 Degree Flexion Plate	M6x14 MOUNTING SCREW	11	15
NAL-413-OS		Aluminium 4 Hole 13mm Offset Plate	M6x12 MOUNTING SCREW	11	15
			M6x16 MOUNTING SCREW	11	15
NAL-419-OS		Aluminium 4 Hole 19mm Offset Plate	M6x12 MOUNTING SCREW	11	15
			M6x16 MOUNTING SCREW	11	15
NAL-4X4-SLIDE		Aluminium 4 Hole 25.4mm Slide (Bolts Included)	M6x1.0x16 CAP HEAD MOUNTING SCREW	11	15
			M6x16 MOUNTING SCREW	11	15
NAL-425-OS		Aluminium 4 Hole 25mm Offset Plate	M6x12 MOUNTING SCREW	11	15
			M6x16 MOUNTING SCREW	11	15
NAL-409-OS		Aluminium 4 Hole 9mm Offset Plate	M6x12 MOUNTING SCREW	11	15
			M6x16 MOUNTING SCREW	11	15
NAL-420L-SL		Aluminium 4 Hole Laminating Plate with Centred 6 Hole Shuttle Lock Relief	M6x20 MOUNTING SCREW	11	15
			M6x25 MOUNTING SCREW	11	15
NAL-425BH		Aluminium 4 Hole Pyramid Adapter w/Centre Hole (250 lb Rating)			
NAL-405-FLPL		Aluminium 5 Degree Flexion Plate	M6x14 MOUNTING SCREW	11	15
NAL-408-FLPL		Aluminium 8 Degree Flexion Plate	M6x14 MOUNTING SCREW	11	15
NAL-500P		Aluminium Foot Pyramid Adapter (250 lb Rating)	M10X1.25X65 FOOT BOLT	20	32

APC Aluminium Structural Components

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NAL-CPF-400		Aluminium Round 4 Hole Laminating Plate Anodised BLACK (5/8" Thick with 1/2" Tie Groove) Includes Screws	M6x20 MOUNTING SCREW	11	15
			M6x25 MOUNTING SCREW	11	15
NAL-420L-OS		Aluminium Round 4 Hole Laminating Plate w/offset Centre & 6 Hole Shuttle Lock Relief	M6x20 MOUNTING SCREW	11	15
			M6x25 MOUNTING SCREW	11	15
NAL-420L-TH		Aluminium Round 4 Hole Laminating Plate with Threaded Centre Hole (3/4 x 16)	M6x20 MOUNTING SCREW	11	15
			M6x25 MOUNTING SCREW	11	15
NAL-418B		Aluminium Round 4 Hole Spacer Plate (1/8")			
NAL-420L		Aluminium Round 4 Hole Threaded Lamination Plate	M6x20 MOUNTING SCREW	11	15
			M6x25 MOUNTING SCREW	11	15
NAL-431L		Aluminium Round 4 Hole Threaded Lamination Plate (.313")	M6x20 MOUNTING SCREW	11	15
			M6x25 MOUNTING SCREW	11	15
NAL-416B		Aluminium Square 4 Hole Spacer Plate (.08")			
NAL-420B		Aluminium Square 4 Hole Spacer Plate (.134")			
NAL-430L		Aluminium Square 4 Hole Threaded Lamination Plate	M6x20 MOUNTING SCREW	11	15
			M6x25 MOUNTING SCREW	11	15
NAL-TF-900SET		Aluminium Thermoplastic Socket Attachment Plate Set	M6x20 MOUNTING SCREW	11	15
			M6x25 MOUNTING SCREW	11	15

APC Paediatric/Geriatic Structural Components

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NJR-100C		Paediatric / Geriatric Titanium 22mm Tube Clamp Adapter	M6x10 Paediatric SET SCREWS	5	7
			M4X.7X16 Paediatric CLAMP SCREW	4	5
NJR-100C-A		Paediatric / Geriatric Titanium 22mm Tube Clamp Adapter w/30mm Receiver	M8X1.25X12 SET SCREW	11	15
			M4X.7X16 Paediatric CLAMP SCREW	4	5
NJR-100C-LONG		Paediatric / Geriatric Titanium 22mm Tube Clamp Adapter LONG (2 5/8" Overall Height)	M6x10 Paediatric SET SCREWS	5	7
			M4X.7X16 Paediatric CLAMP SCREW	4	5
NJR-100C-LONG-A		Paediatric / Geriatric Titanium 22mm Tube Clamp Adapter LONG w/30mm Adult Receiver (2 5/8" Overall Height)	M8X1.25X12 SET SCREW	11	15
			M4X0.7X16 Paediatric CLAMP SCREW	4	5
NJR-10T		Paediatric / Geriatric 10" 22mm Pylon			
NJR-10TC		Paediatric / Geriatric 10" 22mm Pylon w/ Titanium Receiver	M6x10 Paediatric SET SCREWS	5	7
NJR-10TC-A		Paediatric / Geriatric 10" 22mm Pylon w/30mm Adult Titanium Receiver	M8X1.25X12 SET SCREW	11	15
NJR-10TC-I		Paediatric / Geriatric 10" 22mm Pylon w/ Internal Titanium Receiver	M6x10 Paediatric SET SCREWS	5	7
NJR-400A		Paediatric / Geriatric Titanium 4 Hole Offset Pyramid (AXIAL)			
NJR-400B		Paediatric / Geriatric Titanium 4 Hole Pyramid			
NJR-400D		Paediatric / Geriatric Titanium 4 Hole Offset Pyramid (DIAGONAL)			
NJR-416B		Paediatric / Geriatric Aluminium 4 Hole Spacer Plate (1/16" Thick)			

APC Paediatric/Geriatric Structural Components

Part Number	Image	Description	Bolts/Screws	Torque	
				- ft lbs	- Nm
NJR-425BH		Paediatric / Geriatric Titanium 4 Hole Pyramid w/Centre Hole			
NJR-450BF		Paediatric / Geriatric Titanium 4 Hole Receiver Adapter	M6x10 Paediatric SET SCREWS	5	7
NJR-500P		Paediatric / Geriatric Foot Pyramid Adapter (Includes Bolt)	M8-1.25x50 Paediatric FOOT BOLT	15	21
NJR-AL-417B		Paediatric / Geriatric Aluminium 4 Hole Spacer (.134 Thick)			
NJR-AL-420L-M6		Paediatric / Geriatric Aluminium Round 4 Hole Threaded Plate (M6 Screws Included)	M6x20 MOUNTING SCREW	11	15
			M6x25 MOUNTING SCREW	11	15
NJR-AL-420L		Paediatric / Geriatric Aluminium Round 4 Hole Threaded Plate (M5 Screws Included)	M5x20 Paediatric MOUNTING SCREW	5	7
NJR-AL-431L		Paediatric / Geriatric Round 4 Hole Threaded Plate .313 Thick (M5 Screws Included)	M5x20 Paediatric MOUNTING SCREW	5	7
NJR-AL-4X4-SLIDE		Paediatric / Geriatric Aluminium 4 Hole 18mm Slide (M5 Screws Included)	M5x14 Paediatric MOUNTING SCREW	5	7
			M5x20 Paediatric MOUNTING SCREW	5	7

For more information on our full range of structural components please contact a Steeper Product Manager or contact our Customer Services team on 0113 270 4841 or e-mail customerservices@steepergroup.com.

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