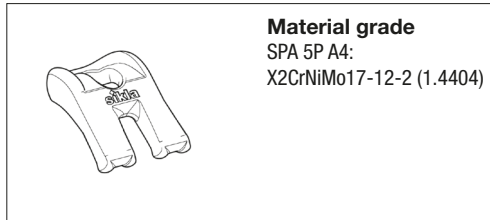
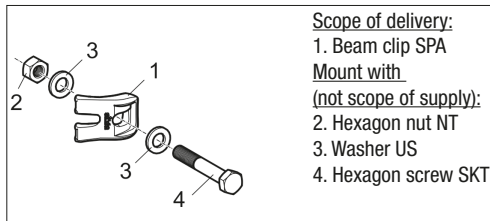


Beam clip SPA / Assembly Set MS

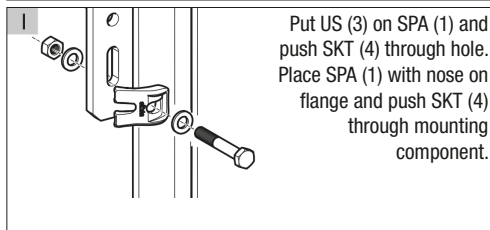
Beam clip SPA 5P A4



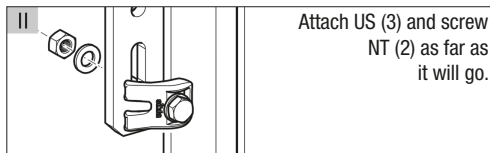
Material grade
SPA 5P A4:
X2CrNiMo17-12-2 (1.4404)



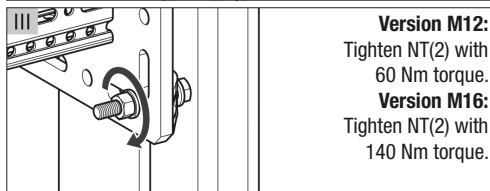
Scope of delivery:
1. Beam clip SPA
Mount with
(not scope of supply):
2. Hexagon nut NT
3. Washer US
4. Hexagon screw SKT



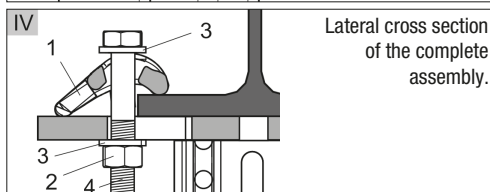
Put US (3) on SPA (1) and push SKT (4) through hole. Place SPA (1) with nose on flange and push SKT (4) through mounting component.



Attach US (3) and screw NT (2) as far as it will go.

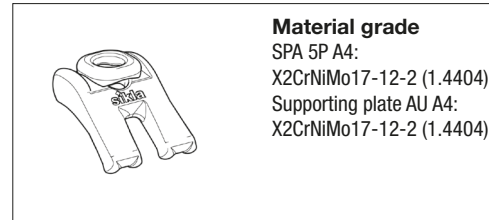


Version M12:
Tighten NT(2) with 60 Nm torque.
Version M16:
Tighten NT(2) with 140 Nm torque.

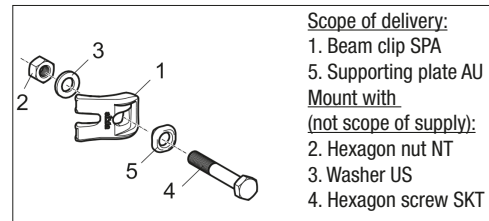


Lateral cross section of the complete assembly.

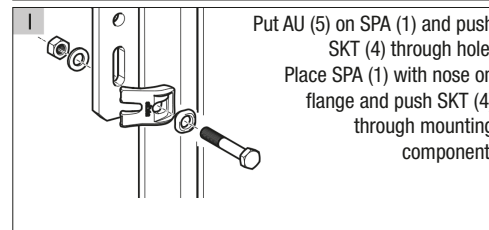
Beam clip SPA 5P AU A4



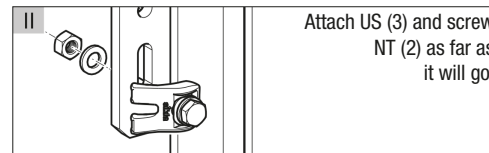
Material grade
SPA 5P A4:
X2CrNiMo17-12-2 (1.4404)
Supporting plate AU A4:
X2CrNiMo17-12-2 (1.4404)



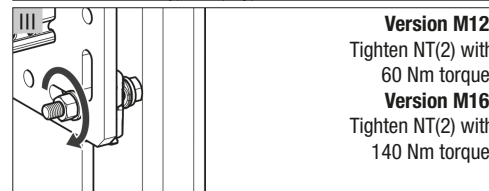
Scope of delivery:
1. Beam clip SPA
5. Supporting plate AU
Mount with
(not scope of supply):
2. Hexagon nut NT
3. Washer US
4. Hexagon screw SKT



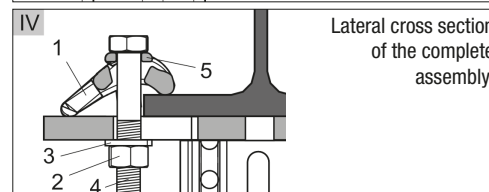
Put AU (5) on SPA (1) and push SKT (4) through hole. Place SPA (1) with nose on flange and push SKT (4) through mounting component.



Attach US (3) and screw NT (2) as far as it will go.

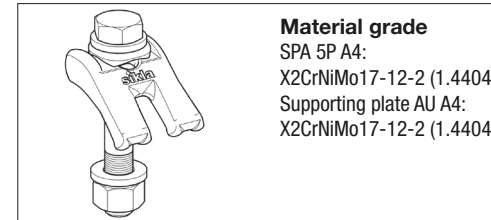


Version M12:
Tighten NT(2) with 60 Nm torque.
Version M16:
Tighten NT(2) with 140 Nm torque.

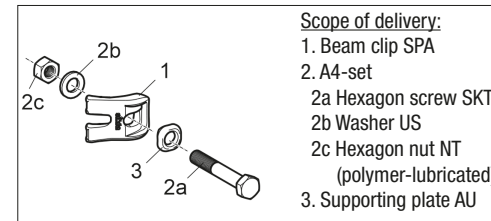


Lateral cross section of the complete assembly.

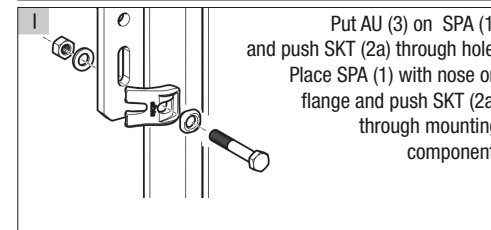
Assembly Set MS 5P A4 (2 or 4 pieces)



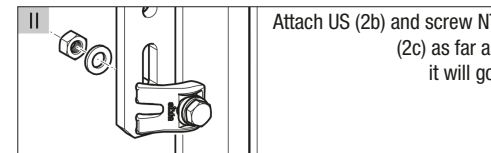
Material grade
SPA 5P A4:
X2CrNiMo17-12-2 (1.4404)
Supporting plate AU A4:
X2CrNiMo17-12-2 (1.4404)



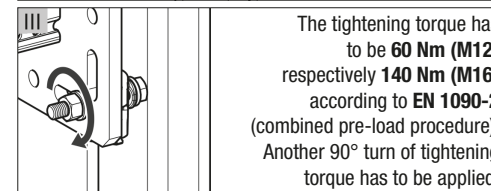
Scope of delivery:
1. Beam clip SPA
2. A4-set
2a Hexagon screw SKT
2b Washer US
2c Hexagon nut NT
(polymer-lubricated)
3. Supporting plate AU



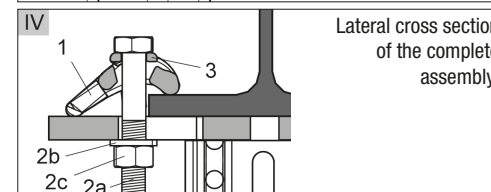
Put AU (3) on SPA (1) and push SKT (2a) through hole. Place SPA (1) with nose on flange and push SKT (2a) through mounting component.



Attach US (2b) and screw NT (2c) as far as it will go.



The tightening torque has to be **60 Nm (M12)** respectively **140 Nm (M16)** according to **EN 1090-2** (combined pre-load procedure). Another 90° turn of tightening torque has to be applied.



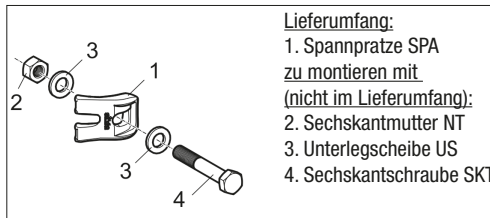
Lateral cross section of the complete assembly.

Spannpratze SPA / Montageset MS

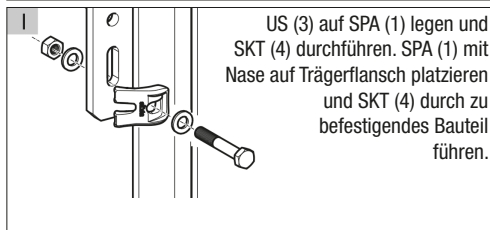
Spannpratze SPA 5P A4



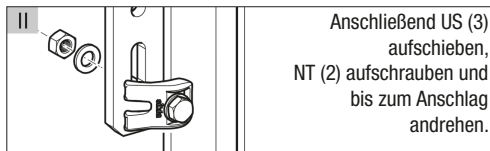
Werkstoff
SPA 5P A4:
X2CrNiMo17-12-2 (1.4404)



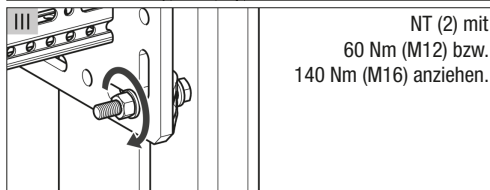
Lieferumfang:
1. Spannpratze SPA
zu montieren mit
(nicht im Lieferumfang):
2. Sechskantmutter NT
3. Unterlegscheibe US
4. Sechskantschraube SKT



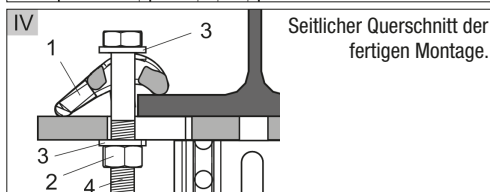
I US (3) auf SPA (1) legen und SKT (4) durchführen. SPA (1) mit Nase auf Trägerflansch platzieren und SKT (4) durch zu befestigendes Bauteil führen.



II Anschließend US (3) aufschieben, NT (2) aufschrauben und bis zum Anschlag andrehen.



III NT (2) mit 60 Nm (M12) bzw. 140 Nm (M16) anziehen.

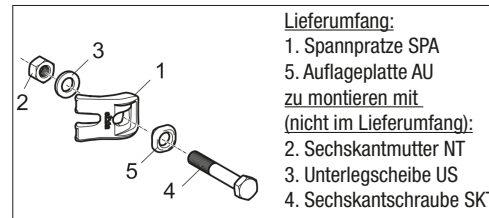


IV Seitlicher Querschnitt der fertigen Montage.

Spannpratze SPA 5P AU A4



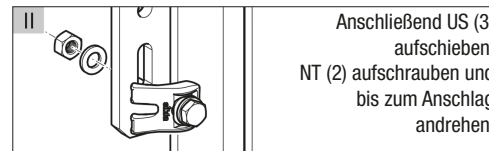
Werkstoff
SPA 5P A4:
X2CrNiMo17-12-2 (1.4404)
Auflageplatte AU A4:
X2CrNiMo17-12-2 (1.4404)



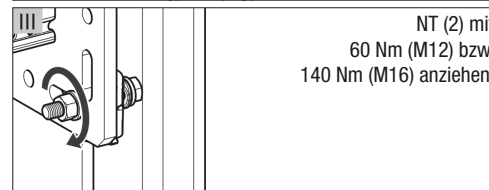
Lieferumfang:
1. Spannpratze SPA
5. Auflageplatte AU
zu montieren mit
(nicht im Lieferumfang):
2. Sechskantmutter NT
3. Unterlegscheibe US
4. Sechskantschraube SKT



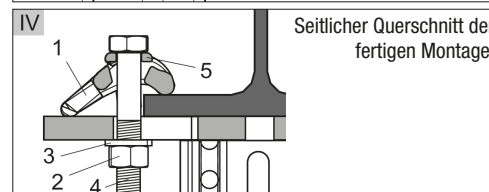
I AU (5) auf SPA (1) legen und SKT (4) durchführen. SPA (1) mit Nase auf Trägerflansch platzieren und SKT (4) durch zu befestigendes Bauteil führen.



II Anschließend US (3) aufschieben, NT (2) aufschrauben und bis zum Anschlag andrehen.

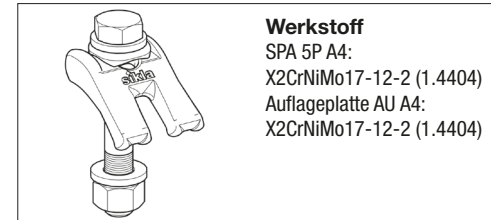


III NT (2) mit 60 Nm (M12) bzw. 140 Nm (M16) anziehen.

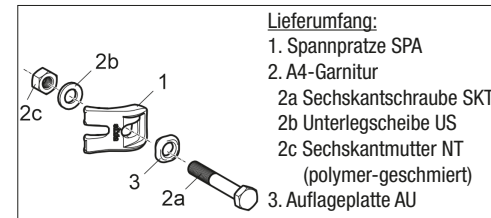


IV Seitlicher Querschnitt der fertigen Montage.

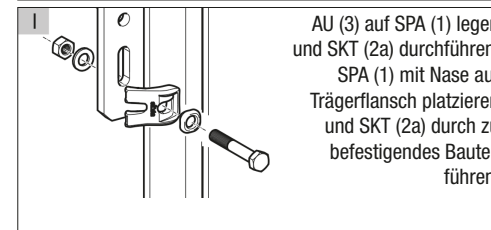
Montageset MS 5P A4 (2 oder 4 Stück)



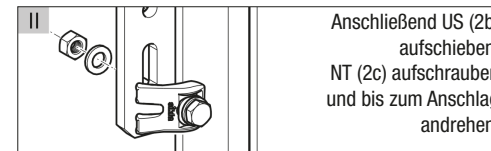
Werkstoff
SPA 5P A4:
X2CrNiMo17-12-2 (1.4404)
Auflageplatte AU A4:
X2CrNiMo17-12-2 (1.4404)



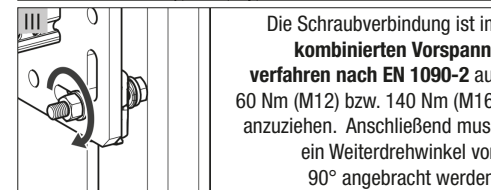
Lieferumfang:
1. Spannpratze SPA
2. A4-Garnitur
2a Sechskantschraube SKT
2b Unterlegscheibe US
2c Sechskantmutter NT
(polymer-geschmiert)
3. Auflageplatte AU



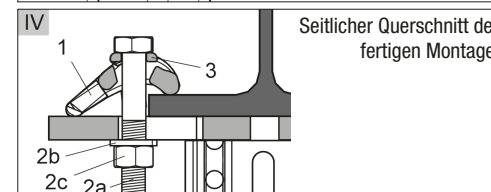
I AU (3) auf SPA (1) legen und SKT (2a) durchführen. SPA (1) mit Nase auf Trägerflansch platzieren und SKT (2a) durch zu befestigendes Bauteil führen.



II Anschließend US (2b) aufschieben, NT (2c) aufschrauben und bis zum Anschlag andrehen.



III Die Schraubverbindung ist im kombinierten Vorspannverfahren nach EN 1090-2 auf 60 Nm (M12) bzw. 140 Nm (M16) anzuziehen. Anschließend muss ein Weiterdrehwinkel von 90° angebracht werden.



IV Seitlicher Querschnitt der fertigen Montage.