Mechanical locking assembly

ETP-MINI KTR ETP Transmission AB ETP-MINI®

- ***Mechanical locking assembly***
- *Small size*
- *Quick and easy mounting*
- *Good concentricity (0.02mm)*
- *Stainless steel version available for food and pharmaceutical industries*
- *Materials:*
  Steel or stainless steel (1.4565)
- *Working temp: -30/+85°C*

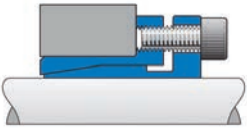


Applications

- *Machine tools, presses, injection machines requiring frequent adjustment*

Info

- *When the screws are tightened with a torque Tt:*
  T = transmissible torque (axial force =0)
  FA = Transmissible axial force (torque = 0)
  FR = Transmissible radial force
- *Max authorised bending torque is 5% of transmissible torque T*
- *Tt = Recommended tightening torque for screws. Increasing the torque will not increase the pressure*
- **ØD2 is measured before assembly*

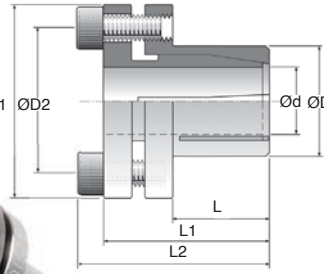


Part number	Transmissible Torque T (Nm)	Transmissible Axial force FA (kN)	Polar moment of inertia ($kgm^2.10^{-3}$)	Weight (kg)
Steel version				
ETP-MINI-6-14	7	2,5	2,1	0,03
ETP-MINI-1/4-14	8	2,5	2,1	0,03
ETP-MINI-8-15	20	5,0	3,3	0,04
ETP-MINI-9-16	28	6,5	4,4	0,05
ETP-MINI-3/8-16	30	6,5	4,4	0,05
ETP-MINI-10-16	34	6,5	4,3	0,05
ETP-MINI-11-18	36	6,5	6,2	0,06
ETP-MINI-12-18	40	6,5	6,1	0,06
ETP-MINI-1/2-18	42	6,5	6,0	0,06
ETP-MINI-14-22	66	9,5	13,2	0,08
Stainless steel version				
ETP-MINI-6-14/SS	5	1,7	2,1	0,03
ETP-MINI-8-15/SS	17	4,4	3,3	0,04
ETP-MINI-9-16/SS	20	4,4	4,4	0,05
ETP-MINI-10-16/SS	23	4,4	4,3	0,05
ETP-MINI-11-18/SS	25	4,4	6,2	0,06
ETP-MINI-12-18/SS	27	4,4	6,1	0,06
ETP-MINI-14-22/SS	48	6,5	13,2	0,08

Dimensions in mm

Assembly

- ***All keyways MUST be refilled***
- ***Assembly tolerances:***
  Shaft h8 (h7 for size 15 only)
  Hub H7
- *Please ensure that threads are lubricated each time parts are assembled*
  We recommend use of Omega 58





For smaller parts

DISCOUNTS

Qty	1+	9+
Disc.	List	On request

Part number	Ød	ØD	ØD2	ØD2*	L	L1	L2	N°	R	Screws DIN912 Tt (Nm)	Price each 1 to 8
Steel version											
ETP-MINI-6-14	6,00	14	25	18	10	19,0	22,0	2	M3	2,0	45,31 €
ETP-MINI-1/4-14	6,35	14	25	18	10	19,0	22,0	2	M3	2,0	45,31 €
ETP-MINI-8-15	8,00	15	27	20	12	21,5	25,5	2	M4	4,0	46,86 €
ETP-MINI-9-16	9,00	16	28	21	14	24,0	28,0	2	M4	4,0	49,26 €
ETP-MINI-3/8-16	9,525	16	28	21	14	24,0	28,0	2	M4	4,0	50,09 €
ETP-MINI-10-16	10,00	16	28	21	14	24,0	28,0	2	M4	4,0	50,09 €
ETP-MINI-11-18	11,00	18	30	23	14	25,5	29,5	2	M4	4,0	52,47 €
ETP-MINI-12-18	12,00	18	30	23	14	25,5	29,5	2	M4	4,0	55,28 €
ETP-MINI-1/2-18	12,70	18	30	23	14	25,5	29,5	2	M4	4,0	55,28 €
ETP-MINI-14-22	14,00	22	35	27	15	27,5	31,5	3	M4	4,0	58,48 €
Stainless steel version											
ETP-MINI-6-14/SS	6,00	14	25	18	10	19,0	22,0	3	M3	1,2	89,22 €
ETP-MINI-8-15/SS	8,00	15	27	20	12	21,5	25,5	3	M4	2,7	75,70 €
ETP-MINI-9-16/SS	9,00	16	28	21	14	24,0	28,0	3	M4	2,7	77,78 €
ETP-MINI-10-16/SS	10,00	16	28	21	14	24,0	28,0	3	M4	2,7	78,09 €
ETP-MINI-11-18/SS	11,00	18	30	23	14	25,5	29,5	3	M4	2,7	78,91 €
ETP-MINI-12-18/SS	12,00	18	30	23	14	25,5	29,5	3	M4	2,7	79,32 €
ETP-MINI-14-22/SS	14,00	22	35	27	15	27,5	31,5	4	M4	2,7	107,01 €

Dimensions in mm