• FORCE	661 - 2644 kN
• STROKE	25 - 100 mm
• MAX WORKING PRESSURE	700 bar

UTD

BOLT TENSIONERS FOR ANCHOR BARS

BAT bolting advanced technologies

FEATURES AND OPERATIONAL AREAS

The **UTD** bolt tensioner series are designed to pull **Dywidag** or similar anchorage threaded bars.
The bars available on the market are characterized from different values of tension. For this reason the user will have to verify the correct force to be applied.

It's important to know that the threaded bar sticks out sufficiently to receive the puller and the reaction nut. This projection must be taken into consideration while installing the threaded bar.

They are built to be as light as possible given that they are fabricated in light alloy. The models which are lighter than 25 kg are equipped with a handle necessary for transport while the heavier ones are equipped with eye-lets.

They are typically built as oil return cylinder with 50 mm of stroke but they are also available in single acting gravity or spring return UTD60M25 (spring return) version or UTD60G25 (gravity return) version.

Every bolt tensioner can also be used with smaller diameter axles than the maximum expected, corresponding to the hole. In this case it's suggested to use reducing rings, which are available on request, positioning them under the reaction nut in order to distribute the force and the keep the system centered. To facilitate the rotation of the spherical nut are available on requested hexagonal wrenches that can be activated withtommy bars through the passages which are located on the lower part of the body.

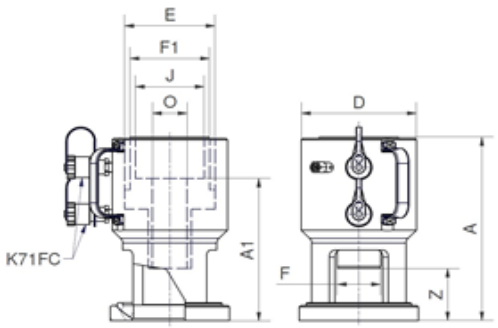
To operate: we suggest you to use **PN26#G** + **MDM41G** with 2 hoses **SNQ#M** of different length.

DYWIDAG TYPE BAR:

Y = Pre-pressing steel DYWIDAG Y1050H

B = GEWI® B500B Threadbar

P = GEWI® Plus S670/800 Threadbar



SELECTION CHART

Dywidag bars	Type	Load Fp0.1k	0,8 x Fp0.1k	Load Ftk	0,7 x Ftk	MODEL	Stroke	Ø Piston	Net closed height	Ø Piston	Ø External	Ø Piston	Ø Piston	Ø Through	Ø Recess at rod end	Useful height	Pushing area	Pushing force	Pull area	Pulling force @150bar	Oil volume	Pulling oil volume	Weight
	See notes	kN	kN	kN	kN		mm	A mm	A1 mm	E mm	D mm	F1 mm	F mm	O mm	J mm	Z mm	cm²	kN	cm²	kN	cc	cc	Kg
18	P	170	136	204	143	UTD060O050	50	268	208	125	159	110	60	48	95	78	94,4	661	27,7	42	472	138	13,7
22	P	255	204	304	213																		
25	P	329	263	393	275																		
32	B	402	322	442	309																		
28	P	413	330	493	345	UTD060M025	25	225	180												236	69	10,5
30	P	474	379	565	396																		
26,5	Y	525	420	580	406																		
40	B	628	502	691	484	UTD060G025	25	200	155												236	69	10
35	P	645	516	770	539																		
32	Y	760	608	845	592																		
36	Y	960	768	1070	749	UTD100O050	50	326	256	155	197	130	75	60	110	121	144,5	1012	56	84	723	280	22,5
43	P	973	778	1162	813																		
50	B	982	786	1080	756																		
40	Y	1190	952	1320	924																		
47	Y	1650	1320	1820	1274	UTD160O050	50	364	304	190	248	160	85	68	120	149	226,8	1587	82,5	124	1134	619	40,5
57,5	P	1740	1392	2077	1454																		
63,5	B	1758	1406	2217	1552	UTD250O100	100	494	414	250	318	200	120	95	165	149	377,8	2644	177	265	3778	1767	95
63,5	P	2122	1698	2534	1774																		
75	P	2960	2368	3534	2474																		