

WORK^{PRO}
L I F T E R S



**CHANGING
THE RULES**



WORK PRO® LIFTERS: Now safer than ever.

WORK PRO® LIFTERS has always been focused on leading the lifters sector in terms of safety and usability, providing the most advanced technology. After the entry into force of the new **DIN 56950** standard and the consequent **DGVV V17/18** regulation, the **WORK PRO® LIFTERS** engineering team has been working hard to make a series of lifters compliant with the new regulation, with better specifications and safer than ever.

To make this possible, 3 new patents have been designed: **WireDrive**, **Dynamic Overlap** & **Dynsys**, which bring to the lifters the extra safety needed to comply with the new regulation.

- **Dynamic Overlap** is an innovative solution that increases the resistance of the towers and reduces their deflection, making that each tower section overlaps with the previous one at different distances, as with trees in nature. This means that all efforts are concentrated in the same way in all the sections of the tower. Thanks to this, the tower can withstand greater efforts with less deflection.

Available on **WTS** and **WTS-DY** Series.

- **Dynsys** is a Load limitation system designed to limit the max load that the machine can lift and, at the same time, guarantee the “health” and good operation of the tower, since it accomplishes many functions, all focused on maximizing user safety. Each **Dynsys** system is adjusted to control the torque that is applied on the winch and, when this is exceeded (for ex. due to an excess of load, problem of friction of some piece in bad condition, etc) the system acts and does not allow to continue the lifting process. **Dynsys** has been designed to comply with the **DIN 56950** standard.

Available on **LW-DY** and **WTS-DY** Series.

- **WireDrive** is a new and important feature developed to help prevent undesired and dangerous cable crosses in the drum of the winch, making easier the roll up/unroll process. The **WireDrive** system is responsible for directing the cable across the winch drum, increasing the useful life of the cable. Furthermore, **WireDrive** is a multidirectional grooved pulley that reduces the wire fleet angle between the winch drum and its entry to the first mast. The **DIN 56950** standard states that the fleet angle has to be less than 4 degrees, which is achieved with **WireDrive**.

Available on **LW-D** and **LW-DY** Series



MECHANISM MODE & STRUCTURAL MODE

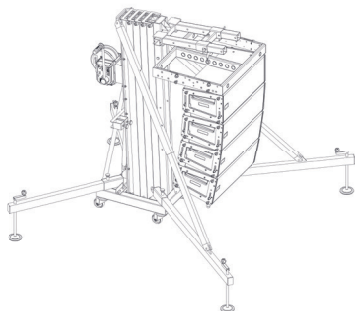
WORK PRO® LIFTERS has innovated the way of working with the lifters, changing the rules and creating a new operating mode, called “**Structural Mode**”, which does not use the winch to lift the load.

The **Structural Mode** involves lifting the load with the help of a manual or electric hoist. That is, the tower is used as a structure that is all locked to the required working height. Once the tower is raised to this desired height, the load must be raised with the hoist. The **Structural Mode** performs improved loading capacities.

Structural Mode is available on **WTS** and **WTS-DY** Series.

MECHANISM MODE

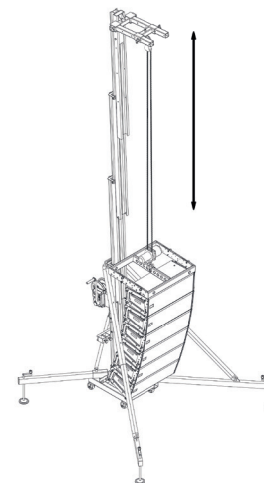
The load is placed in the tower once leveled and placed with all its masts in transport position. The load is raised by using the included hand winch.



WTS 1206: Max. load = 550 kg in mechanism mode

STRUCTURAL MODE

The tower, once leveled and placed, is extended to the desired height and locked at its working position. The load is raised by using a manual or electric hoist.



WTS 1206: Max. load = 1200 kg in structural mode

LW D/DY Series



WORK PRO® LIFTERS has redesigned the well-known **LW** series in order to comply with the **DIN 56950** standard, becoming the **LW D/DY** Series. Both **LW-D** and **LW-DY** Series incorporate the innovative **WireDrive** system.

The **Dynsys** system is only available on the **LW-DY** Series, making the series compliant with **DIN 56950**.

- ✓ **5° with Max Load test**
All LW series lifters have passed the test lifting the max. load when the lifter is inclined 5°.
- ✓ **L/20 horizontal loads test**
Test against horizontal forces up to (max. load)/20.
- ✓ **Max. fleet angle 4°**
Max. angle deflection in the wire rope to avoid wire damages thanks to the **WIREDRIVE®** patented pulley.
- ✓ **WIREDRIVE cable guide system**
With **WIREDRIVE®** patented pulley the wire rope are well placed in the which without cable crossing issues.
- ✓ **DYNYS (Load Limiting System)**
With the load limiting system **DYNYS** (only on DY models) the lifters include a system that automatically stops the lifting process when the lifter is overloaded.

Accessories



AW 135/140/150/155
for Truss



AW 235/240/250/255
for Truss



AW 335/340/355
for Truss



AW 1/35
for Loudspeakers



AW 535/540/550/555
for Lighting Spots

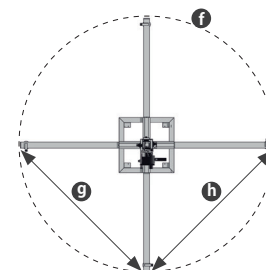
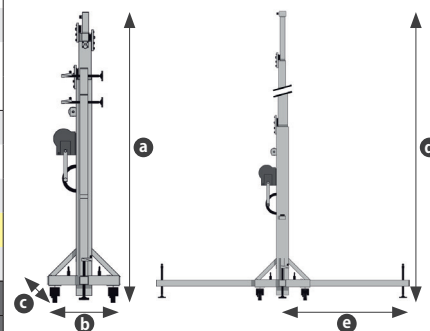


AW 10/12/13
for Truss

TOWER MODEL	ACCESSORIES
LW 330D / DY	AW 135, AW 235, AW 335, AW 535, AW 10, AW 1/35.
LW 142D / DY	AW 135, AW 235, AW 335, AW 535, AW 10, AW 1/35.
LW 150D / DY	AW 135, AW 235, AW 335, AW 535, AW 10, AW 1/35.
LW 155D / DY	AW 135, AW 235, AW 335, AW 535, AW 10, AW 1/35.
LW 185D / DY	AW 135, AW 235, AW 335, AW 535, AW 10, AW 1/35.
LW 255D / DY	AW 155, AW 255, AW 355, AW 555, AW 13
LW 265D / DY	AW 140, AW 240, AW 340, AW 540, AW 12
LW 290D / DY	AW 150, AW 250, AW 550



			LW 330D	LW 142D	LW 150D	LW 155D
			LW 330DY	LW142DY	LW 150DY	LW 155DY
FOLDED	Minimum height (m/ft)	a	1,29 / 4,23	1,59 / 5,22	1,90 / 6,23	1,72 / 5,64
	Base dimensions (mm/ft)	b	140 / 0,46	360 / 1,18	360 / 1,18	360 / 1,18
		c	140 / 0,46	360 / 1,18	360 / 1,18	360 / 1,18
UNFOLDED	Maximum height (m/ft)	d	3,30 / 10,83	4,05 / 13,29	5 / 16,40	5,30 / 17,39
	Leg length (m/ft)	e	0,82 / 2,69	0,94 / 3,08	1,03 / 3,38	1,03 / 3,38
	Unfolded diameter (m/ft)	f	1,64 / 5,38	1,88 / 6,17	2,06 / 6,76	2,06 / 6,76
	Base dimensions (m/ft)	g	1,02 / 3,35	1,26 / 4,13	1,29 / 4,23	1,49 / 4,89
h		1,02 / 3,35	1,26 / 4,13	1,29 / 4,23	1,49 / 4,89	
OTHER DATA	Number of profiles		3	3	3	4
	Lifter weight (kg/lb)		21 / 46,29	28,80 / 63,49	32,80 / 72,31	43,40 / 95,68
	Minimum load (kg/lb)		25 / 55,12	25 / 55,12	25 / 55,12	25 / 55,12
	Maximum load (kg/lb)		100 / 220,46	100 / 220,46	100 / 220,46	150 / 330,69
	Insertion diameter (mm/in)		35 / 1,38	35 / 1,38	35 / 1,38	35 / 1,38
			LW 185D	LW 255D	LW 265D	LW 290D
			LW 185DY	LW 255DY	LW 265DY	LW 290DY
FOLDED	Minimum height (m/ft)	a	1,72 / 5,64	1,73 / 5,68	1,80 / 5,91	1,84 / 6,04
	Base dimensions (mm/ft)	b	460 / 1,51	460 / 1,51	460 / 1,51	460 / 1,51
		c	460 / 1,51	460 / 1,51	460 / 1,51	460 / 1,51
UNFOLDED	Maximum height (m/ft)	d	5,30 / 17,39	5,30 / 17,39	6,50 / 21,33	6,60 / 21,65
	Leg length (m/ft)	e	1,03 / 3,38	1,26 / 4,13	1,26 / 4,13	1,29 / 4,23
	Unfolded diameter (m/ft)	f	2,06 / 6,76	2,52 / 8,27	2,52 / 8,27	2,58 / 8,46
	Base dimensions (m/ft)	g	1,49 / 4,89	1,78 / 5,84	1,78 / 5,84	1,79 / 5,87
h		1,49 / 4,89	1,78 / 5,84	1,78 / 5,84	1,79 / 5,87	
OTHER DATA	Number of profiles		4	4	5	5
	Lifter weight (kg/lb)		73,20 / 161,38	86,40 / 190,48	93,40 / 205,91	136,80 / 301,59
	Minimum load (kg/lb)		25 / 55,12	25 / 55,12	25 / 55,12	25 / 55,12
	Maximum load (kg/lb)		210 / 462,97	220 / 485,02	220 / 485,02	290 / 639,34
	Insertion diameter (mm/in)		35 / 1,38	55 / 2,17	40 / 1,57	50 / 1,97



WTS /DY Series



The **WTS /DY** Series means a change of concept within the front load towers as it introduces the new **Structural Mode**. **WTS /DY** Series also incorporates the innovative **Dynamic Overlap** system and the **Dynsys** system (only available on the **WTS-DY** Series).

- ✓ **5° with Max. Load test**
All WTS series lifters have passed the test lifting the max. load when the lifter is inclined 5° thanks to the **DYNAMIC OVERLAP** patented system which reduces the deflection of the profiles.
- ✓ **L/20 horizontal loads test**
Test against horizontal forces up to (max load)/20.
- ✓ **Max. fleet angle 4°**
Max. angle deflection in the wire rope to avoid wire damages.
- ✓ **DYNSYS (Load Limiting System)**
With the load limiting system DYNSYS (only on DY models) the lifters include a system that automatically stops the lifting process when the lifter is overloaded.
- ✓ **Defined LOAD positioning**
With the new WTS forks users can know exactly the working load on the defined positions in the forks.
- ✓ **Load from the floor level**
New WTS lifters can now be loaded with the forks only over 30cm from the floor, making them suitable for more applications than just line array.
- ✓ **Improved frontal legs for Line Array systems**
WTS comes with longer frontal legs and more space inbetween them to be able to place a subwoofer system when they are used to lift line array systems.
- ✓ **Structural Mode**
With structural mode the lifter is not used as a machine but as a fixed structure and can hold heavier loads making it more versatile.

Accessories



AWS 403
for Line Array



AWS 402
for Line Array



AWS 502
for Line Array



AWS 301
for Truss



AWS 302
for Truss



AWS 501
for Line Array



AWS 401
for Line Array

TOWER MODEL	ACCESSORIES
WTS 256 / DY	AWS 403, AWS 302, AWS 401
WTS 375 / DY	AWS 403, AWS 302, AWS 401
WTS 506 / DY	AWS 402, AWS 302, AWS 401
WTS 905 / DY	AWS 502, AWS 301, AWS 501
WTS 708 / DY	AWS 502, AWS 301, AWS 501
WTS 1206 / DY	AWS 502, AWS 301, AWS 501


WTS 256

WTS 375

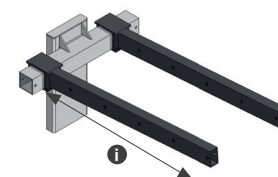
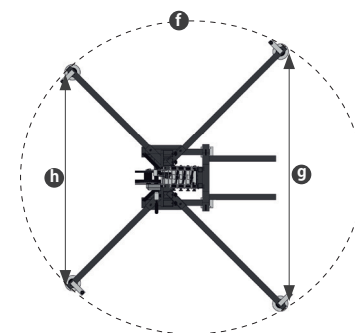
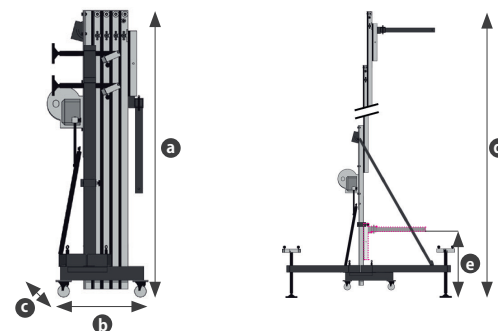
WTS 506

WTS 905

WTS 708

WTS 1206

			WTS 256	WTS 375	WTS 506
FOLDED	Minimum height (m/ft)	a	1,6 / 5,25	1,6 / 5,25	1,93 / 6,33
	Base dimensions (m/ft)	b	0,56 / 1,84	0,56 / 1,84	0,58 / 1,90
		c	0,44 / 1,44	0,44 / 1,44	0,52 / 1,71
UNFOLDED	Maximum height (m/ft)	d	6,30 / 20,66	5,07 / 16,63	6,08 / 19,95
	Minimum fork height (m/ft)	e	0,62 / 2,03	0,60 / 1,96	0,70 / 2,29
	Unfolded diameter (m/ft)	f	2,65 / 8,69	2,65 / 8,69	2,71 / 8,89
	Frontal side width (m/ft)	g	1,88 / 6,17	1,88 / 6,17	2,11 / 6,92
	Rear side width (m/ft)	h	1,6 / 5,25	1,6 / 5,25	1,55 / 5,09
	Fork length (m/ft)	i	0,5 / 1,64	0,5 / 1,64	0,61 / 2,00
	Number of profiles		5	4	4
OTHER DATA	Lifter weight (kg/lb)		119,80 / 264,11	110,20 / 242,84	150 / 330,70
	Minimum load (kg/lb)		25 / 55,12	25 / 55,12	25 / 55,12
	Maximum load as MECHANISM (kg/lb)		260 / 573,20	350 / 771,62	510 / 1124,36
	Maximum load as STRUCTURE (kg/lb)		260 / 573,20	380 / 837,76	510 / 1124,36
			WTS 905	WTS 708	WTS 1206
FOLDED	Minimum height (m/ft)	a	1,66 / 5,45	2,00 / 6,56	2,00 / 6,56
	Base dimensions (m/ft)	b	0,585 / 1,92	0,705 / 2,31	0,585 / 1,92
		c	0,58 / 1,90	0,58 / 1,90	0,58 / 1,90
UNFOLDED	Maximum height (m/ft)	d	5,2 / 17,06	8,13 / 26,67	6 / 19,69
	Minimum fork height (m/ft)	e	0,88 / 2,88	0,91 / 2,98	0,88 / 2,88
	Unfolded diameter (m/ft)	f	2,8 / 9,19	3,47 / 11,38	3,4 / 11,15
	Frontal side width (m/ft)	g	1,80 / 5,90	2,15 / 7,05	2,15 / 7,05
	Rear side width (m/ft)	h	1,70 / 5,57	2,55 / 8,37	2,55 / 8,37
	Fork length (m/ft)	i	0,65 / 2,13	0,86 / 2,82	0,86 / 2,82
	Number of profiles		4	6	4
OTHER DATA	Lifter weight (kg/lb)		217 / 478,40	287 / 632,72	244 / 537,92
	Minimum load (kg/lb)		25 / 55,12	25 / 55,12	25 / 55,12
	Maximum load as MECHANISM (kg/lb)		450 / 992,08	450 / 992,08	550 / 1212,54
	Maximum load as STRUCTURE (kg/lb)		900 / 1984,16	700 / 1543,24	1200 / 2645,55



Models WTS 256DY, WTS 375DY, WTS 506DY, WTS 905DY, WTS 708DY, WTS 1206DY have the same characteristics as the WTS Series, and include the DYNSSYS system.



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 **EQUIPSON**

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