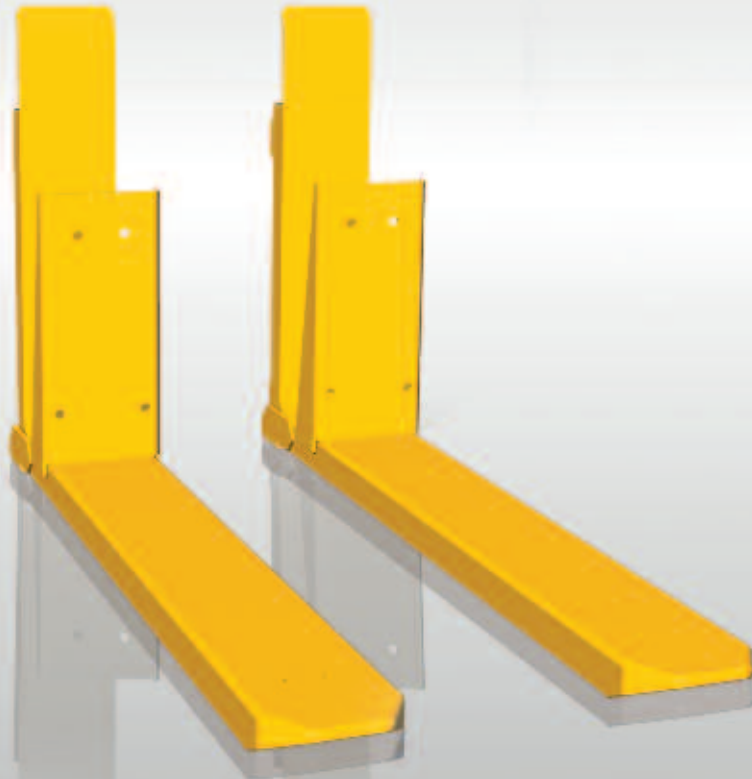


## TELESCOPIC FORKS LOAD EXTENDERS

# S5

In many areas of logistics and warehousing technology, telescopic forks are used in order to facilitate one-sided loading of trucks or storage in double deep racks. Furthermore, these forks can be used as extensions for the adjustment of load depth. Telescopic forks are equipped with two-cylinder forced hydraulic synchronism. The residual load capacity of the lift truck and driver visibility are far superior to reach forks and load extenders.

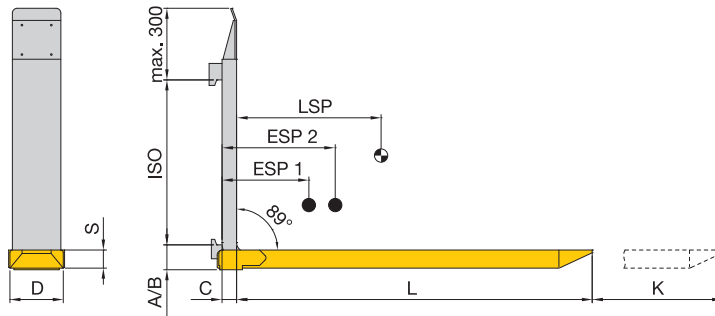
Load extenders are applied where telescopic forks cannot be used due to a low ground clearance of the load or where loads picked up by clamps are to be telescoped.



# Telescopic Forks (retractable and extendable under load)

## 1 hydraulic function

55



Integral synchronous system up to and including TG 60

Model	Load capacity/pair in kg at ... LC (LSP)			for lift trucks up to	ISO	Cross section* D x S		C	L	K	CoG 1/ CoG 2 (ESP 1)/ (ESP 2)	Weight per pair	Price per pair	Surcharge per 100 mm add. fork length
	600	1450	1750			mm	mm							
	mm	mm	mm											
S 5 - TG 20 1100/750	2000	820	680	1,8	2	135	56	45	1100	750	395/530	155	4,030.-	200.-
S 5 - TG 20 1200/850									1200	850	440/600	165	4,150.-	200.-
S 5 - TG 20 1350/1000									1350	1000	500/685	185	4,350.-	200.-
S 5 - TG 25 1100/750	2500	1025	850	2,0	2	165	56	45	1100	750	390/520	195	4,150.-	240.-
S 5 - TG 25 1200/850									1200	850	440/595	205	4,300.-	240.-
S 5 - TG 25 1350/1000									1350	1000	510/695	225	4,530.-	240.-
S 5 - TG 35 1100/750	3500	1450	1200	3,0	2/3	165	56	45	1100	750	390/520	195	4,400.-	250.-
S 5 - TG 35 1200/850									1200	850	440/595	205	4,560.-	250.-
S 5 - TG 35 1350/1000									1350	1000	510/695	225	4,790.-	250.-
S 5 - TG 45 1100/750	4500	1850	1550	4,0	3	165	56	45	1100	750	370/495	205	5,300.-	300.-
S 5 - TG 45 1200/850									1200	850	420/570	215	5,480.-	300.-
S 5 - TG 45 1350/1000									1350	1000	490/665	235	5,750.-	300.-
S 5 - TG 60 1200/850	6000	2500	2050	5,0	3/4	167	64	50	1200	850	425/590	250	6,200.-	330.-
S 5 - TG 60 1350/1000									1350	1000	495/700	270	6,520.-	330.-
S 5 - TG 80 1200/850	8000	3300	2750	6,0	4	219	65	50	1200	850	375/530	360	7,600.-	400.-
S 5 - TG 80 1350/1000									1350	1000	445/630	390	7,950.-	400.-

- One-sided loading and unloading of trucks requires a usable length of 1350 mm with 1000 mm stroke.

\* Fork shoe reinforced in the rear area (10 mm wider/5 mm thicker).

- Surcharges: \*Wear resistant strips of manganese steel on bottom surface of outer forks, dimension S increases by 5 mm € 250.-
- Pallet stops 1 (located on both sides of the fork back) or A 2 (400 mm high) € 140.-
- Pallet stops A 3 (reinforced and 850 mm high) € 310.-
- Load backrest (width 750 mm, height 1200 mm) incl. A 2 pallet stops € 840.-
- Bolt-on telescopic forks for e.g. fork positioner € 550.-
- Camera mounting device on the side of the fork shoe incl. pallet stop A 2 € 820.-

- Camera systems on request.

- Cold store version on request.

- Higher load capacities and other cross sections on request.

- Max. stroke range 1200 mm, fork length max. 2000 mm.

- For fork positioners with telescopic forks see pages 96 - 103.

# Accessories



## Pallet Stops Type A1:

Move next to the fork back when the forks are retracted.

50 mm wide, 90 mm high € 140.-



## Pallet Stops Type A2:

Are used to limit the fork length to the desired usable fork length.

Minimum distance to the fork back is 75 mm.

400 mm high € 140.-



## Pallet Stops Type A3:

Are used to limit the fork length to the desired usable fork length.

High pallet stop A3 supports the load.

Minimum distance to the fork back is 125 mm.

850 mm high (reinforced) € 310.-

## Camera systems:



The design depends on the application.



## Load Backrest Type LG:

Is mounted on pallet stop A2 (supplied with the product) and moves forward together with the outer forks. Forks are adjustable within the backrest width.

Minimum distance to the fork back is 100 mm.

750 mm wide, 1200 mm high € 840.-

## Standard values for residual load capacity of lift trucks\*\*

Telescopic Forks	S 5 -	TG 20	TG 20	TG 25	TG 35	TG 35	TG 45	TG 45 TG 60	TG 60	TG 60	TG 60 TG 80	TG 80
Load capacity lift truck	kg/mm	1600/500	1800/500	2000/500	2500/500	3000/500	3500/500	4000/500	4500/500	5000/500	5000/600	6000/600
X*	mm	350	400	450	450	450	500	500	500	500	560	560
LC (LSP) = 600 mm	kg	1350	1570	1720	2170	2620	3130	3550	4000	4540	4940	5950
LC (LSP) = 750 mm	kg	1160	1360	1510	1900	2300	2760	3120	3520	3950	4370	5260
LC (LSP) = 1200 mm	kg	790	940	1050	1330	1620	1980	2240	2530	2860	3170	3830
LC (LSP) = 1450 mm	kg	680	810	910	1160	1410	1720	1950	2210	2500	2770	(3300)
LC (LSP) = 1750 mm	kg	600	(680)	790	1000	1200	1500	1700	1910	(2050)	2410	(2750)

\*\* The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

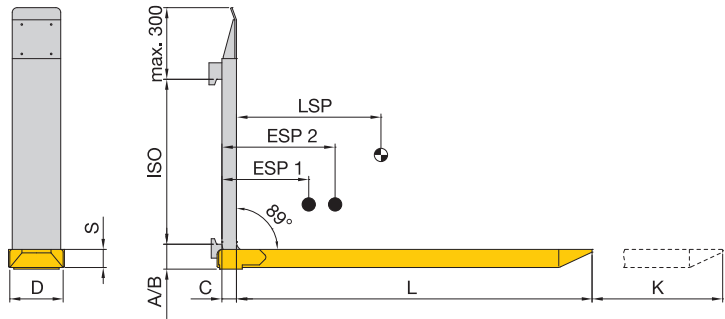
\* Assumed dimensions

- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ( ).

# Hydraulically Adjustable Fork Extensions

(retractable and extendable without load)

1 hydraulic function



Model	Load capacity per pair	LC (LSP)	for lift trucks up to	ISO	L	K	Cross section* D x S		C	CoG 1/ CoG 2 (ESP 1)/ (ESP 2)	Weight per pair	Price per pair	Surcharge per 100 mm fork length
					mm	mm	mm	mm	mm				
S 5 - VG 20 800/400	2000	600	2,0	2	800	400	135	56	45	255/325	125	3,480.-	200.-
S 5 - VG 20 1000/200					1000	200				345/385	145	3,600.-	200.-
S 5 - VG 25 800/400	2500	600	2,5	2	800	400	165	56	45	255/325	155	3,560.-	240.-
S 5 - VG 25 1000/200					1000	200				345/380	180	3,720.-	240.-
S 5 - VG 35 800/400	3500	600	3,5	3	800	400	165	56	45	240/305	165	3,830.-	250.-
S 5 - VG 35 1000/200					1000	200				330/365	190	3,990.-	250.-

\* Fork shoe reinforced in the rear area (10 mm wider/5 mm thicker).

- Surcharge for wear resistant manganese steel strips on underside of outer forks (5 mm thick) € 250.-

\* When using wear resistant strips of manganese steel, dimension S increases by 5 mm.

## Telescopic Forks

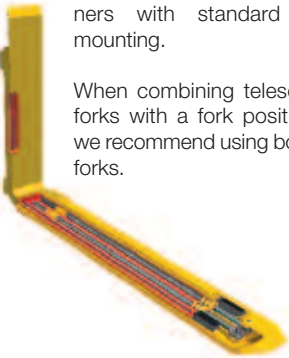
stabau telescopic forks excel due to the following features:

- The forks have integrated 100% forced hydraulic synchronism so that even in the case of different hydraulic oil volumes or uneven load distribution there is no offset in the length of the forks.
- Two integrated cylinders in each fork (from 2.5 tons load capacity) guarantee a great retracting force.
- All forks are fully tempered and have homogeneous material properties.
- The bottom surface of the outer shoe of the telescopic fork is made of wear-resistant manganese steel.
- The deep-drilled cylinders in the fork blade are manufactured in highly sophisticated roller-burnishing processes.
- The cylinder closing covers can easily be dismantled, the piston

rod eye is bolted. For a better protection against the penetration of dirt particles into the hydraulic system, the cylinder closing covers are equipped with a double sealing.

Telescopic forks can easily be mounted onto a fork carriage or a sideshifter, but also on fork positioners with standard fork mounting.

When combining telescopic forks with a fork positioner, we recommend using bolt-on forks.



Our fork positioners with telescopic forks (ZV-TG, ZVP-TG and ZVKG-TG) are serially equipped with bolt-on forks.

Fork Positioners with Telescopic Forks



# Applications of Telescopic Fork



Truck loading with retracted forks



Truck loading with extended forks



Double-deep storage



Handling of 2 pallets

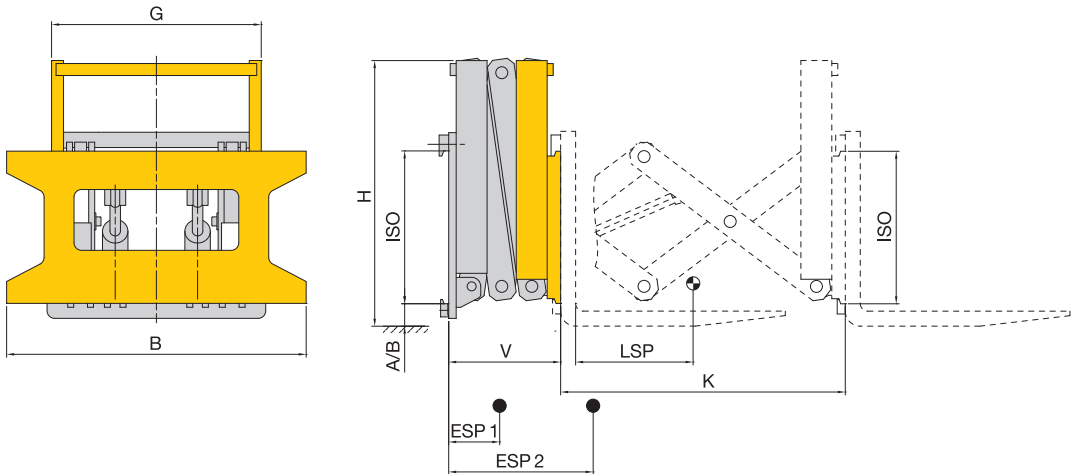
## Load Extenders



# Load Extenders

1 hydraulic function

SS



Model	Load capacity*	LC (LSP)	ISO	B	G	H***	K	V	V**	CoG 1/ CoG 2 (ESP 1)/ (ESP 2)	CoG 1**/ CoG 2 (ESP 1**)/ (ESP 2)	Weight	Weight**	Price without side-shift	Price with side-shift
	kg														
S 5 - VSCHGT 10	1000	600	2	1000	750	900	950	315	365	150/630	180/570	325	375	12,090.-	13,515.-
S 5 - VSCHGT 15	1500	600	2	1000	750	900	950	330	380	160/650	185/590	360	410	12,855.-	14,515.-
S 5 - VSCHGT 25	2500	600	3	1000	750	900	950	380	440	185/695	220/665	470	535	13,560.-	15,425.-

\* Load capacity of retracted attachment

\*\* With integral sideshifter  $\pm 100$  mm

\*\*\* For ISO-A mounting

- Surcharge for forks, see page 15.

- Load extenders can be used as load pushers. The forks are mounted on the fork carriage of the lift truck, so that the load can be pushed off forwards.

## Standard values for residual load capacity of lift trucks\*\*

Load Extenders	S 5 -	Without separate sideshift				With separate sideshift			
		VSCHGT 10	VSCHGT 15	VSCHGT 25	VSCHGT 25	VSCHGT 10-S	VSCHGT 15-S	VSCHGT 25-S	VSCHGT 25-S
Load capacity lift truck	kg	2000	2500	3000	3500	2000	2500	3000	3500
X*	mm	450	450	450	500	450	450	450	500
LC (LSP) = 500 mm	kg	1340	1670	1900	2290	1260	1580	1780	2150
LC (LSP) = 600 mm	kg	1240	1550	1770	2130	1170	1470	1660	2010
LC (LSP) = 1450 mm	kg	660	840	960	1200	630	800	910	1150
LC (LSP) = 1550 mm	kg	630	800	920	1150	600	760	870	1100

\*\* The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

\* Assumed dimensions