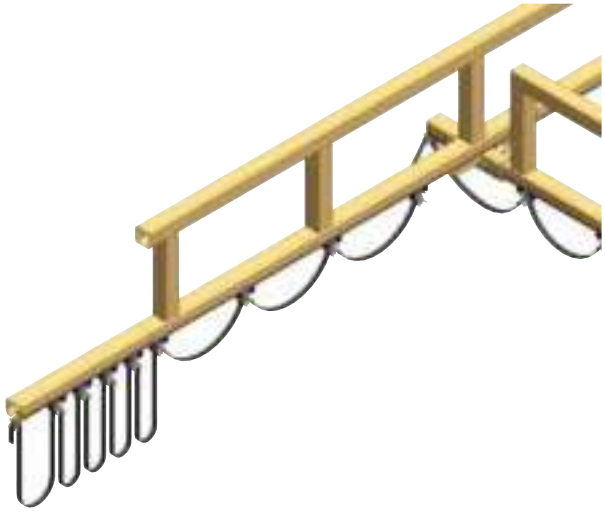
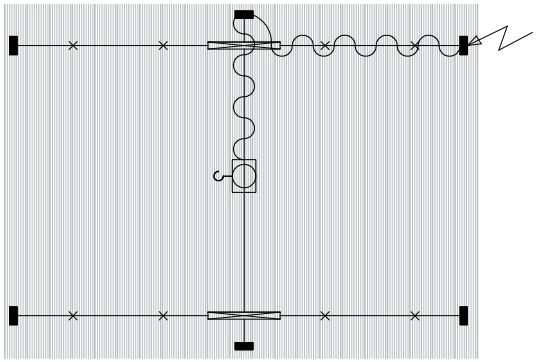
Festoon & Conductor Options

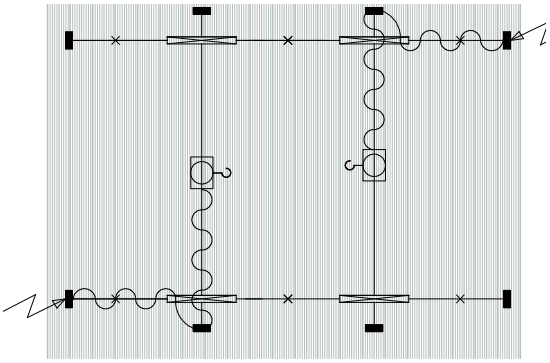
Power can be brought to the hoist or any other lifting device using festoons or conductor bars. Festoon is almost always used in the bridge profile and conductor or festoon is an option for the long travel profile.

Typical Festoon arrangements

In case the distance that the festoon cable has to travel is relatively short then the bridge crane & the long travel profiles can be utilized. This requires the minimum installation and is a low cost solution.

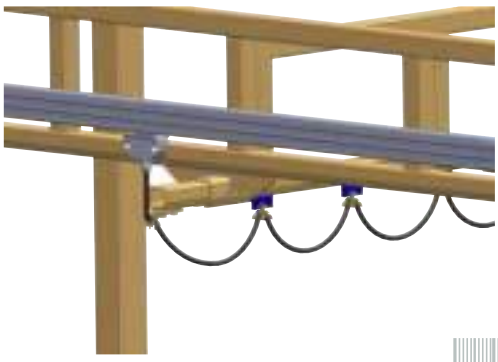


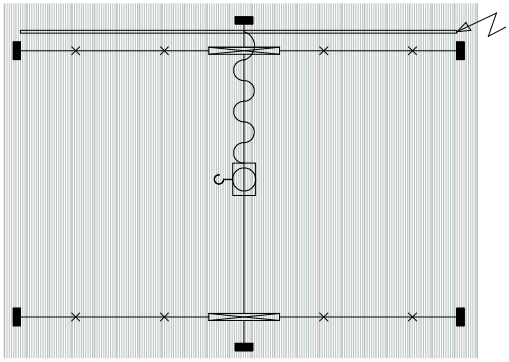


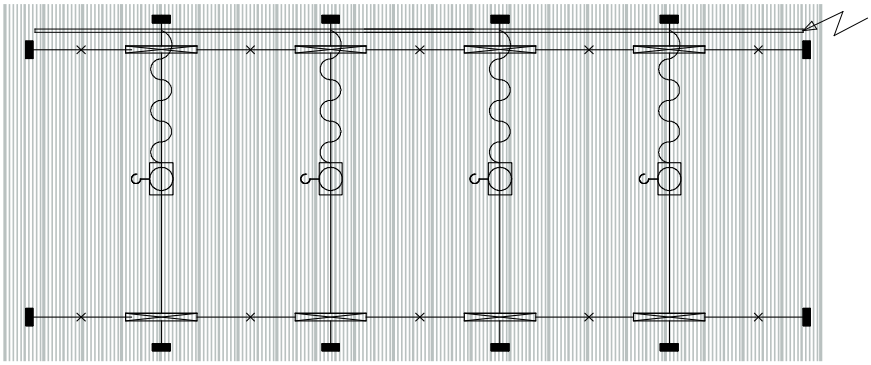


Typical Conductor Bar arrangement

In very long cranes or with more than 2 bridges conductor bars are necessary. Conductor bars also eliminate the need for festoon parking space.

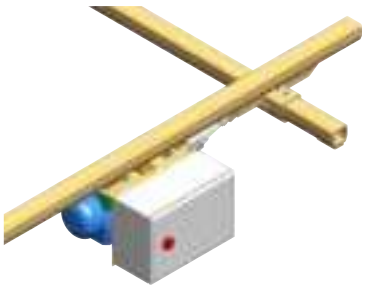


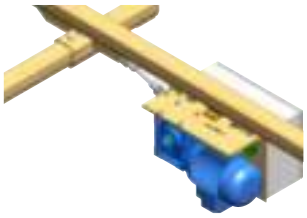


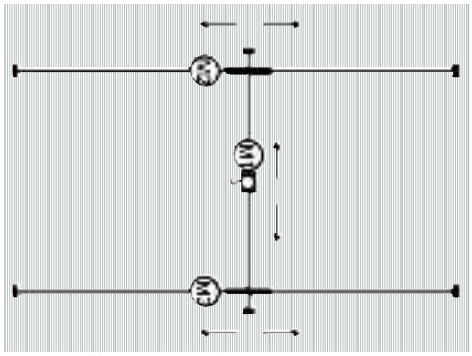


Power Driven Trolleys

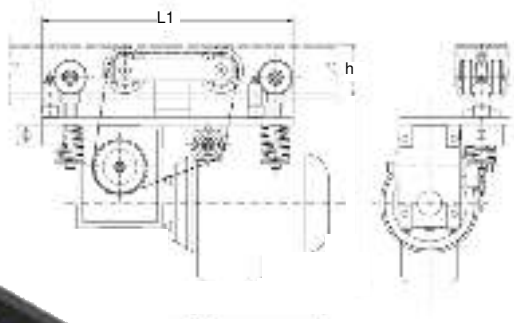
The light cranes can be electrically driven using our power driven trolleys. This is particularly useful for cranes that carry loads greater than 1000 Kg. The power drive trolley operates using 4 high quality friction wheels that ensure long life and accuracy in movement. Electric travel is possible in 3 options: Electric travel only of the trolley running in the cross bridge (M 1), electric travel only of the cross bridge itself (M 2 + M 3) and complete electric travel in all movements (M 1 + M 2 + M 3). Our power driven trolleys have inverter controlled motors that allow soft start and soft stop travel.

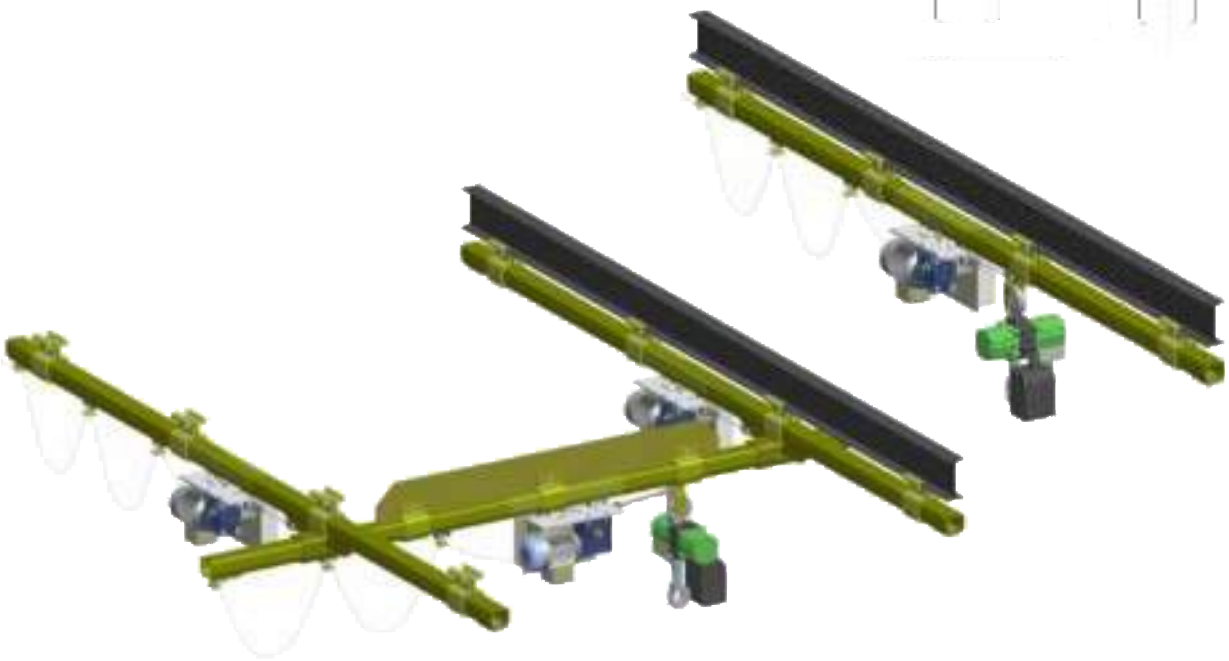






Profil No.	Power Driven Trolley	Transferred load (kg)	L_1 (mm)	h (mm)
25.000	25.H110	500	355	60
26.000	26.H110	1000	355	75
27.000	27.H110	2000	420	110

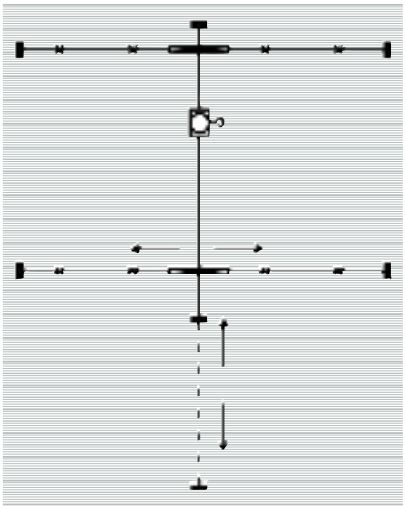




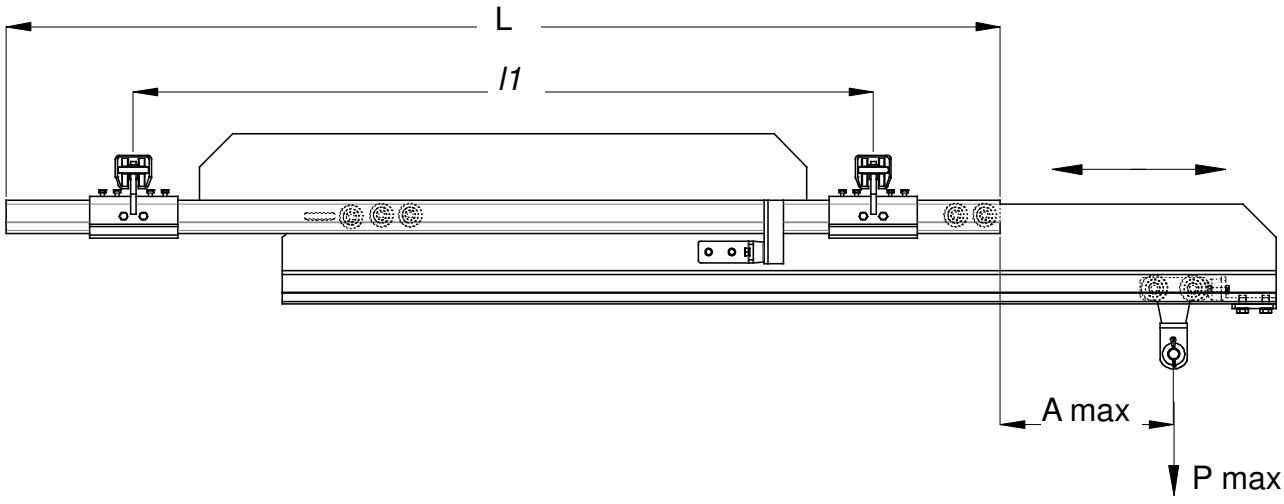
Profil No.	Control box for for power driven trolley	Auxiliary Control box for for power driven trolley
25.000/26.000/27.000	X3.110	X3.120

Telescopic Monorail and Cranes

In order to cover a wider area than the supporting space structure permits a telescopic cross bridge is available. Using our components telescopic cranes are also possible which are very often installed in containers and trucks and in the automotive industry for tool suspension.



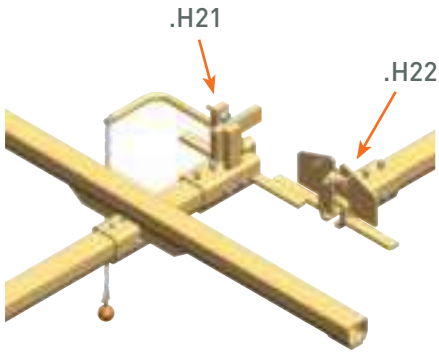
Profil No.	23.000	24.000	25.000	26.000	27.000
P max Kg	40	75	125	250	500
A max mm	1200	1200	1300	1300	1300

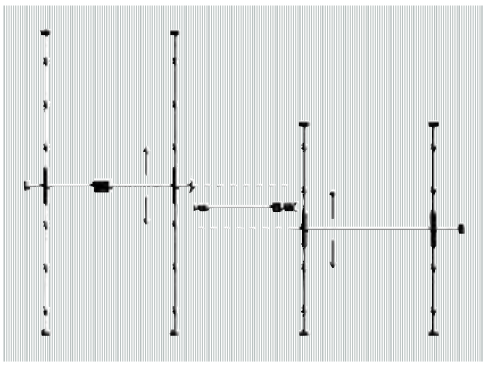


Interlocks

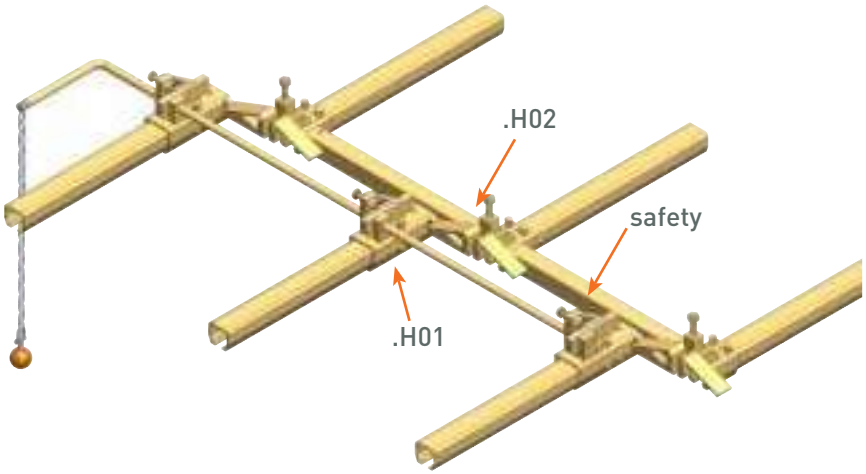
Interlocks are used to connect a crane with another crane or an extended conveyor system. The trolley carrying load is transfered with safety from one system to the other.

Interlock with self built safety(.H21/.H22)



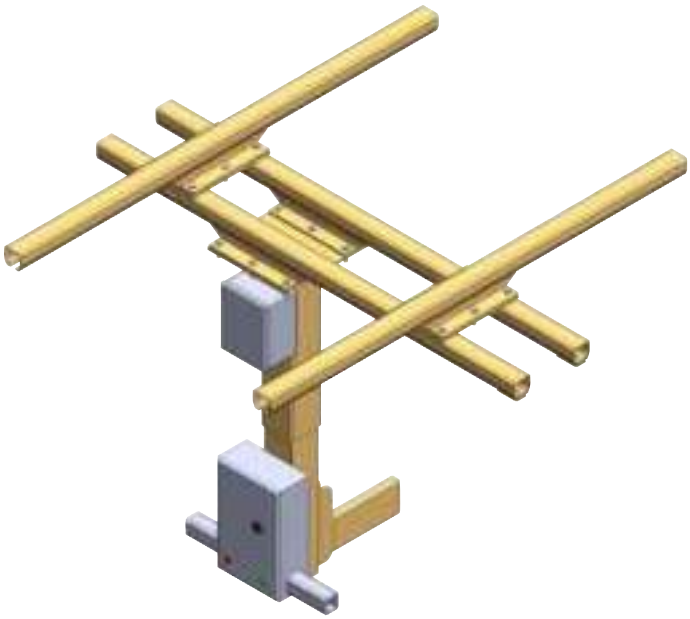


Interlock with externally built safety (.H01/.H02)



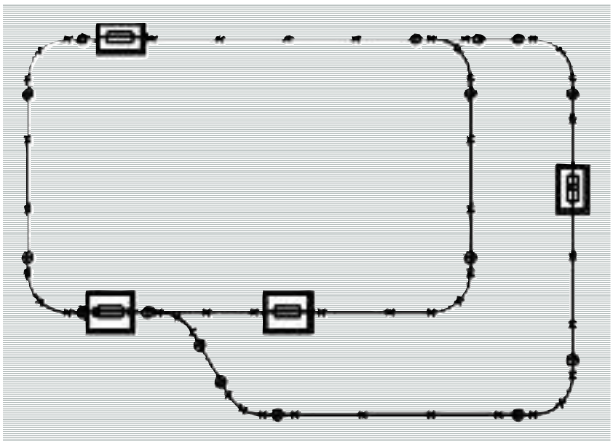
Manipulator

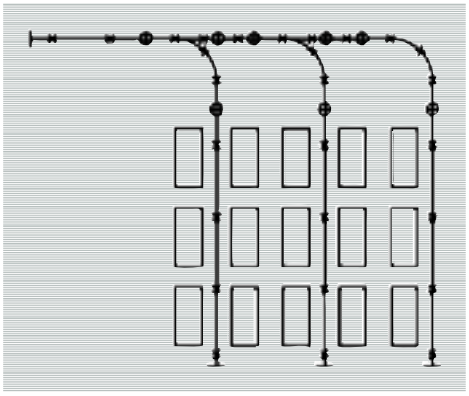
Frequently our light cranes are used as a platiform where different type of manipulators are suspended. Our engineering department is capable of providing bespoke solutions to our customers needs.

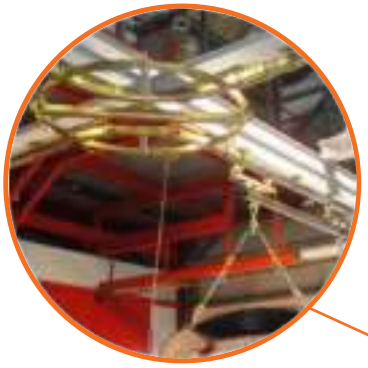


Conveyors Systems

conveyor systems can be used in a variety of aplications utilizing more than 2.000 components like switches and turn tables.



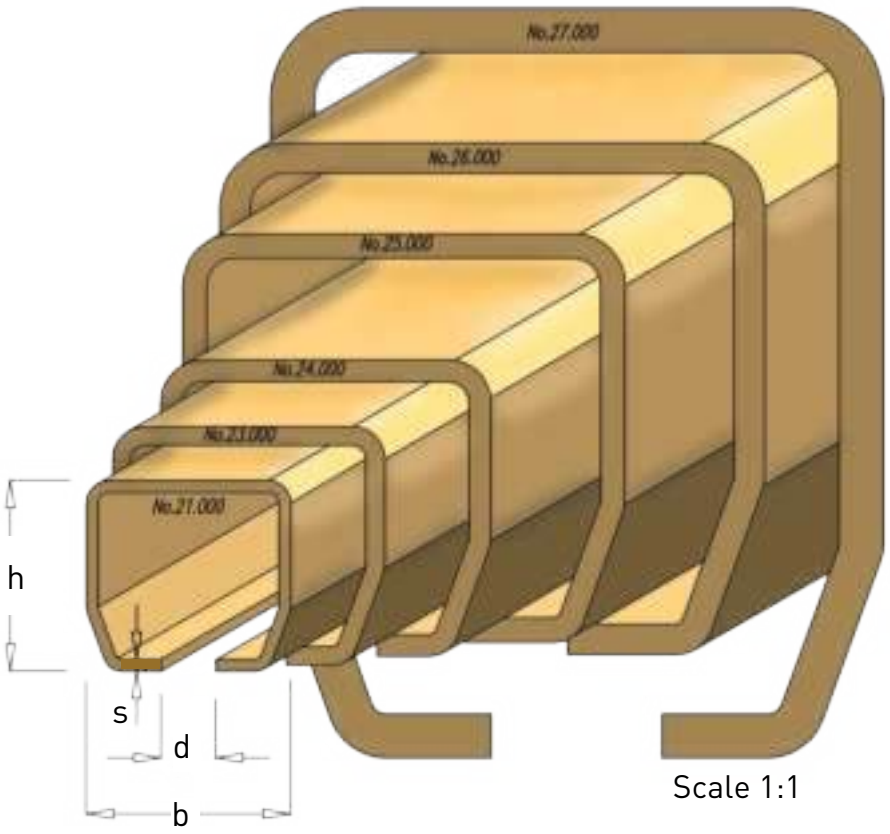




Track profiles

Our wide range of 5 Track profile sizes can accommodated loads up to 2.000 kg. The enclosed track tapered design allows correct alignment of the trolleys and reduces the possibility of dust build up. This ensures the smooth running of the trolleys and the long life of the crane. Light Cranes require to operate only 1-4% force of the weight lifted. For use in aggressive environments we can also offer Cranes in stainless steel grade 304.

Profil No.	Dimensions			
	h (mm)	b (mm)	d (mm)	s (mm)
23.000	35,00	40,00	11,00	2,75
23.050 stainless steel	35,00	40,00	11,00	2,75
24.000	43,50	48,50	15,00	3,20
24.050 stainless steel	43,50	48,50	15,00	3,20
25.000	60,00	65,00	18,00	3,60
25.050 stainless steel	60,00	65,00	18,00	3,60
26.000	75,00	80,00	22,00	4,50
27.000	110,00	90,00	25,00	6,50

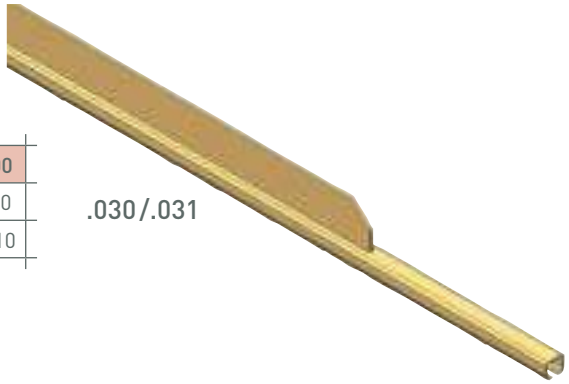


Scale 1:1

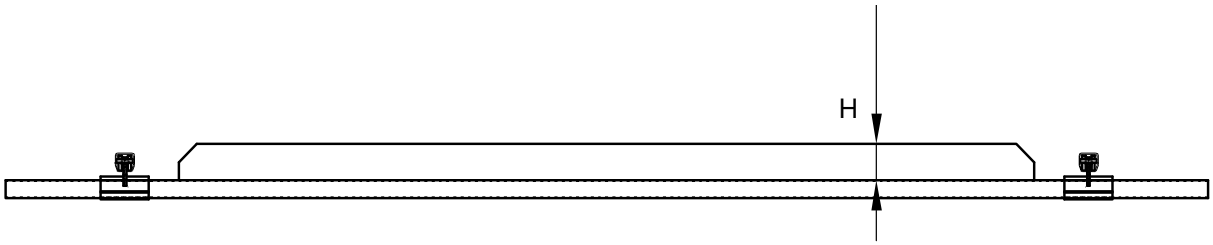
Reinforced Track with welded spine

In order to increase the bridge span and the supporting distances of the profiles we have developed 2 types of reinforced tracks. Reinforced track with welded spine is a cost effective solution for relatively short spans or supporting distances. The welded spine reinforcement is also recomended for low head room requirement due to the low height of the spine.

Profile No.	23.000	24.000		25.000	26.000		27.000
Reinforce Track	23.030	24.030	24.031	25.030	26.030	26.031	27.030
HxS	80x8	100x8	120x8	120x10	150x10	180x10	180x10

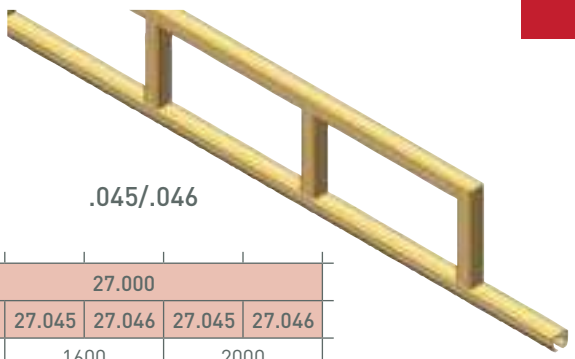


.030/.031



Reinforced Track with welded square profiles (Trussed type)

Trussed type reinforcement are necessary for long spans and fewer supporting points.



.045/.046

Profile No.	24.000	25.000		26.000			27.000				
Reinforce Track	24.045	25.045	25.046	26.045	26.045	26.046	27.045	27.045	27.046	27.045	27.046
P max (Kg)	125	250		500	750		1000	1600		2000	
L max (mm)	9	9	10	10	8	10	10	8,50	10	7	9
H (mm)	280	320	350	380	380	420	460	460	520	460	520
L2 max (mm)	450	500	500	550	550	550,00	600	600	600	600	600