

3 Troughing sets suspensions for "garland"

3.6.4 - Suspensions

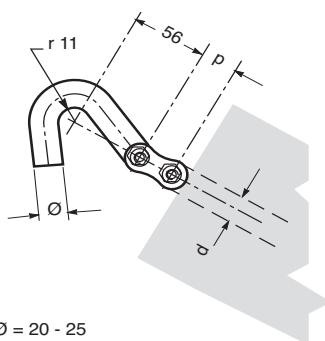
The connecting links and the suspensions are important components that assure ample movement possibilities and at the same time grant a rapid, straight forward installation and maintenance.

Different types of suspension satisfy different working conditions. The following indicate just some of the most common in use.



Hook type A

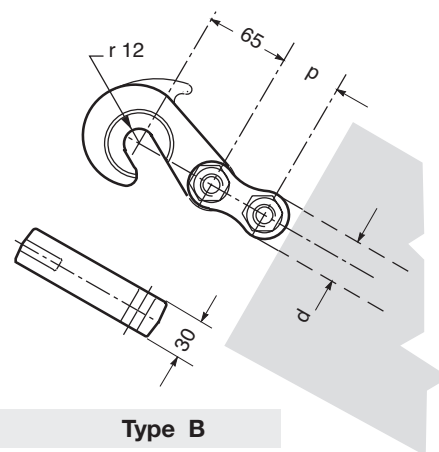
For upper and return sets with roller spindle $d = 20$ and 25 mm.



$\text{Ø} = 20 - 25$

Hook type B

For upper and return impact sets with roller spindle $d = 30$ and 40 mm for heavy loads.

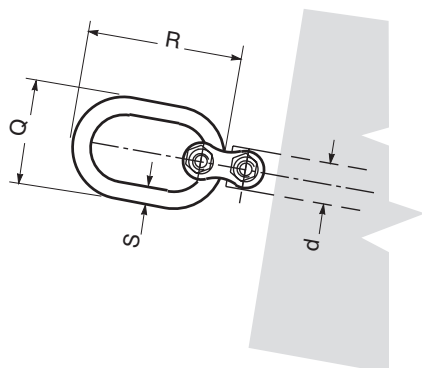


	Type A		Type B	
*	X	Y	X	Y
10°	105	19	122	22
35°	86	36	100	42
60°	56	48	65	56

* The measures X and Y are used to determine the fixation distance Q - see GS2-GS3-GS5 garlands drawings at previous pages.

Hook type C

Upper and return sets for light loads.



d	Q	R	S
20	40	85	10
25/30	52	108	13
40	64	132	16

*	d	X	Y
10°	20	96	17
	25/30	122	22
	40	154	28
35°	20	78	33
	25/30	100	42
	40	126	53
60°	20	51	44
	25/30	65	56
	40	82	71

Important note: all types of supports that are designed to fit to the belt conveyor structure and those, in particular that hook up to the suspensions, must have an equal inclination to the side rollers angle and allow complete freedom of movement of the suspensions and of the rollers in both longitudinal and vertical senses.

Hook type E

This is a system for rapid "unhooking" of an upper troughing set. To be used when the conveyor cannot be stopped. This system allows sets to be removed from below the belt and allows substitution, during normal maintenance breaks.

Fig. 1 shows the application of a system using a retaining pin, in the case of an overloaded conveyor. Fig. 2 without pin.

d	S	p
30	20	38,10
40	20	44,45



*	X	Y
10°	346	63
35°	282	118
60°	184	159

* The measures X and Y are used to determine the fixation distance Q - see GS2-GS3-GS5 garlands drawings at previous pages.

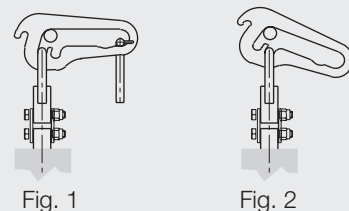
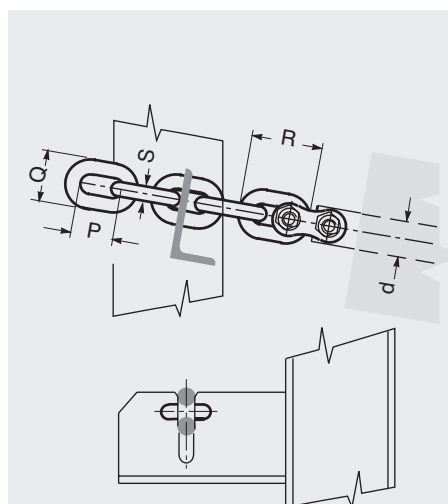
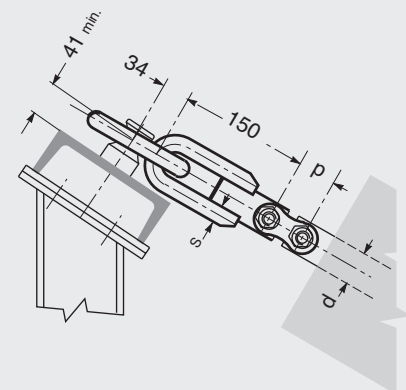


Fig. 1

Fig. 2



Hook type F

To support the return belt and where it is necessary to change the angle of the rollers, the chain may be slotted into the fork as the links permit.



d	S	P	Q	R
20	10	35	34	55
25/30	13	45	44	71
40	16	56	54	88

* Measures X and Y to be calculated according to the chain fixation point.