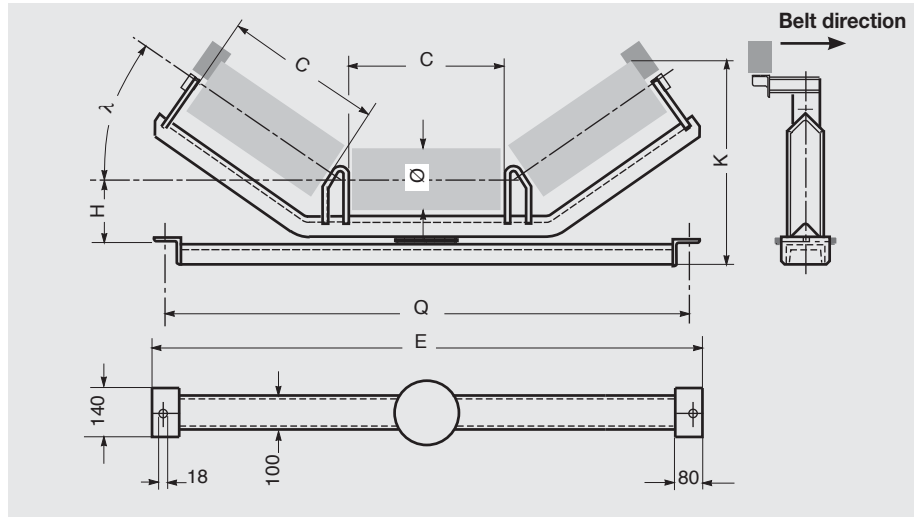


self-centrising transom
Model S
 (without brake for
 single directional belt)

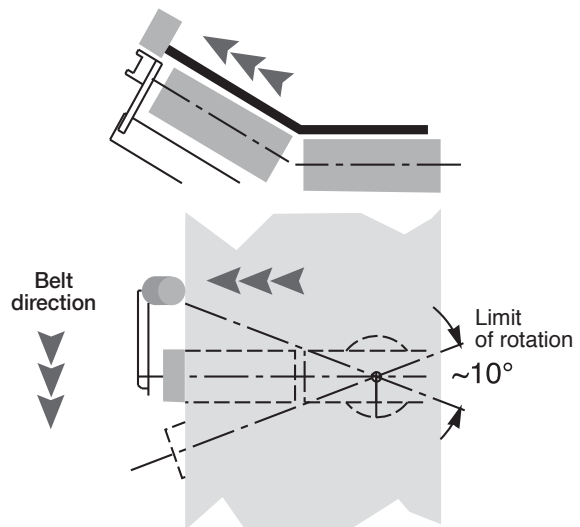


Characteristics and dimensions are similar to the corresponding fixed carrying transom

Series fixed transom	A3L	A3M	A3P	A3S
Series self-centrising transom	P3L-S	P3M-S	P3P-S	P3S-S



Carrying rollers and guide rollers type PSV/G7-NCD 20M16 60N 100 have to be ordered separately.



Method of operation Model S

The system is very simple comprising a rigid lever arm, on which is positioned a belt guide roller.

The pressure exerted by the edge of the belt when tracking off, acts against the offset guide roller which in turn rotates the

transom by an angle that encourages the belt to return centrally.

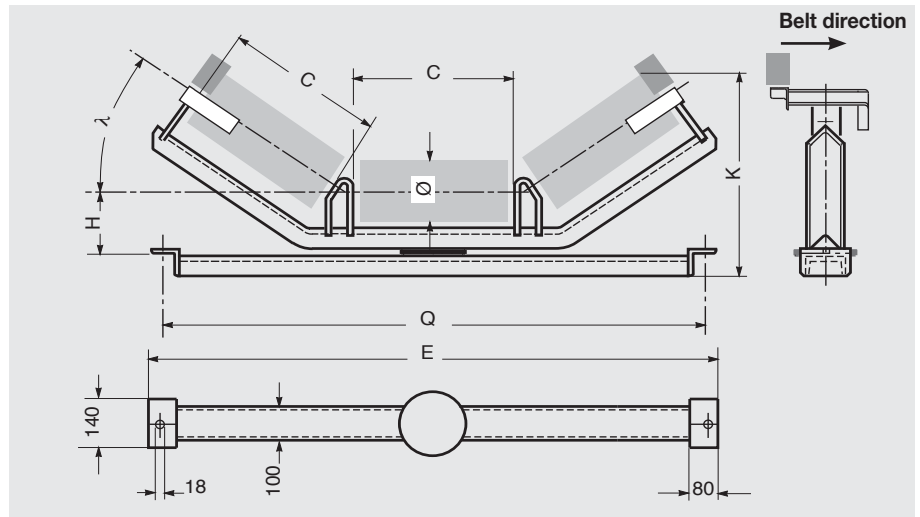
This model is used on small or medium single directional belts, where the tendency to track off is not excessive.

3 Troughing sets

self-centrising transom

Model F

(with brake for single directional belt)

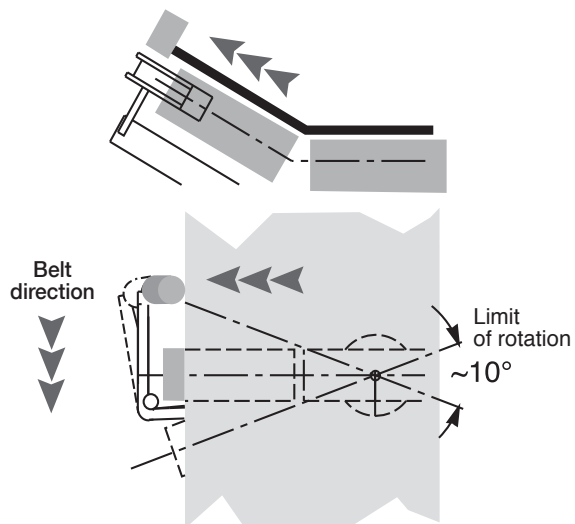


Characteristics and dimensions are similar to the corresponding fixed carrying transom



Carrying rollers and guide rollers type PSV/G7-NCD 20M16 60N 100 have to be ordered separately.

Series fixed transom	A3L	A3M	A3P	A3S
Series self-centrising transom	P3L-F	P3M-F	P3P-F	P3S-F

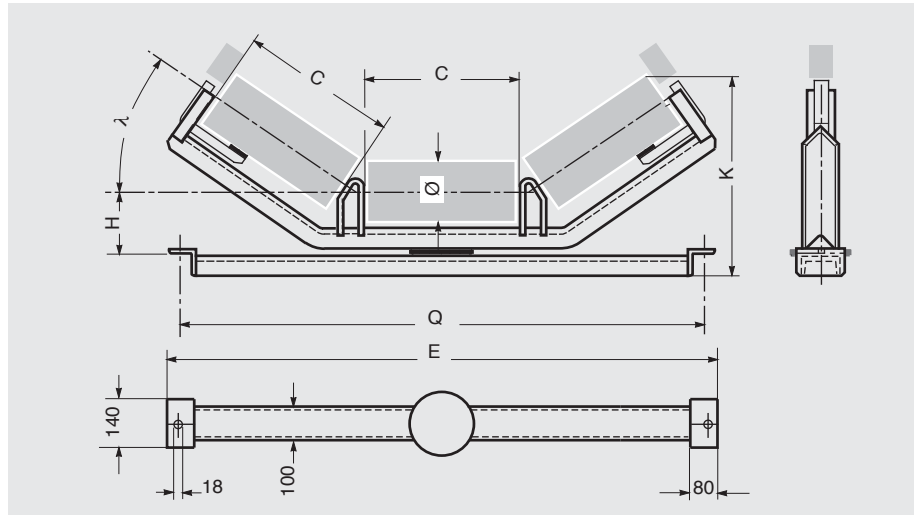


Method of operation Model F

In this design the lever arm pivots, transmitting a force produced by the belt on to the offset guide roller which in turn causes a brake to be applied to the side support roller. This braking action together with the side belt force itself on the lever arm (as with model S) generates a force that rotates the

transom and encourages the belt to return centrally. Model F with brake, is normally used on very long single directional belts, where large material lumps and side or very irregular loading is experienced leading to a big centralising problem.

self-centralising transom
Model R
 (with brake for reversible belt)

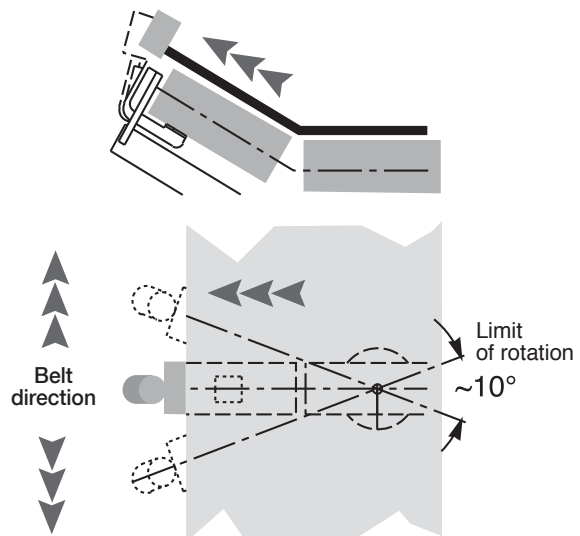


Characteristics and dimensions are similar to the corresponding fixed carrying transom

Series fixed transom	A3L	A3M	A3P	A3S
Series self-centralising transom	P3L-R	P3M-R	P3P-R	P3S-R



Carrying rollers and guide rollers type PSV/G7-NCD 20S18 60N 100 have to be ordered separately.



Method of operation Model R

In reversible conveyors a double action is needed to suit either belt direction. Model R acts on the same principle of braking as model F, but in this design the lever arm is on the same centre line as the rollers.

The action of the braking effect is to rotate the transom, encouraging the belt to the centre. Thanks to the centralised arrangement the system functions in either direction of belt movement.

3 Troughing sets

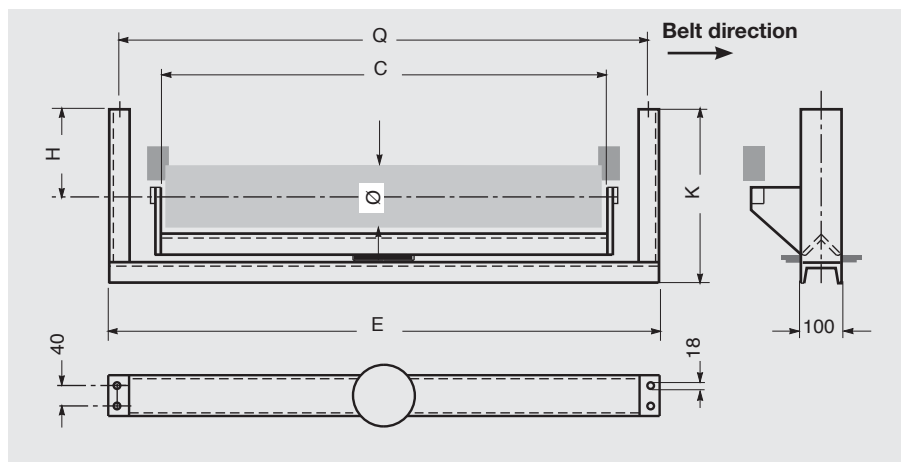
transom self-centralising model S

Q1 L

Q1 P

return model with fixed lever-arm for single directional belts.

Guide rollers type PSV/G7-NCD 20M16 60N 100 have to be ordered separately.



Q1 L

for rollers series:

MPS

ø 76, 89, 102
spindle 15
bearing 6202
ch = 17

PSV/1-FHD

ø 89, 108, 133
spindle 20
bearing 6204
ch = 14

belt width mm	roller		ch	self-centralising transom					weight without rollers Kg
	ø mm	C		capacity Kg	H mm	K _{max}	Q	E	
400	76-89-102 108-133	508	14 - 17	175	70	259	640	700	20.8
500		608		143	70	259	740	800	22.2
650		758		197	70	267	890	950	25.9
800		958		158	70	267	1090	1150	29.1
1000		1158		209	70	275	1290	1350	34.7
1200		1408		167	70	275	1540	1600	39.2

Q1 P

for rollers series:

PSV/2-FHD

ø 133
spindle 25
bearing 6205
ch = 18

PSV/4-FHD

ø 159
spindle 30
bearing 6206
ch = 22

belt width mm	roller		ch	self-centralising transom					weight without rollers Kg
	ø mm	C		capacity Kg	H mm	K _{max}	Q	E	
800	133	958	18 - 22	158	150	367	1090	1150	32.9
1000		1158		209	150	375	1290	1350	38.6
1200		1408		167	150	375	1540	1600	43.1
1400		1608		227	150	389	1740	1800	50.5
1600		1808		202	150	389	1940	2000	54.6

800	159	958	18 - 22	158	150	387	1090	1150	34.2
1000		1158		209	150	395	1290	1350	39.9
1200		1408		167	150	395	1540	1600	44.4
1400		1608		227	150	409	1740	1800	52.0
1600		1808		202	150	409	1940	2000	55.9

Return roller and guide rollers type PSV/G7-NCD 20M16 60N 100 have to be ordered separately

Example of ordering
Q1L, 800, F 14, 108

Q1P, 1000, F 18, 133, YA

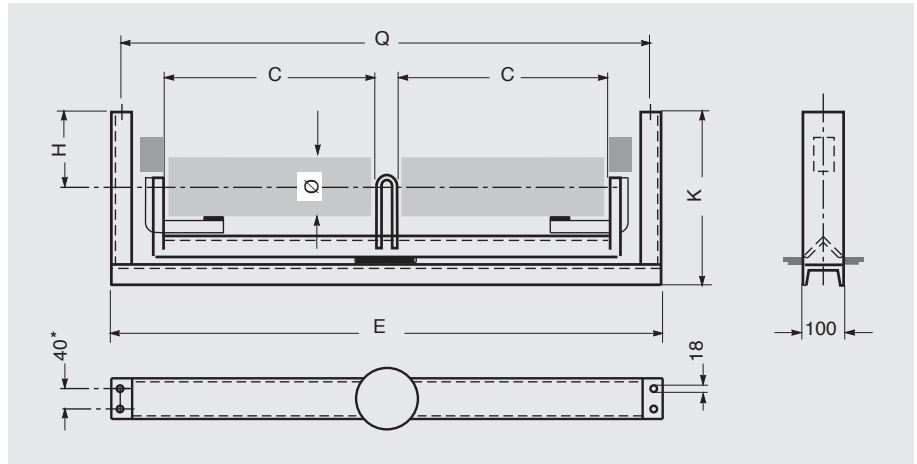
transom self-centralising model R

Q2 L

Q2 P

return model with fixed lever-arm and brake for reversible belts.

Guide rollers type PSV/G7-NCD 20S18 60N 100 have to be ordered separately.



Q2 L

for rollers series:

MPS

Ø 76, 89, 102
spindle 15
bearing 6202
ch = 17

PSV/1-FHD

Ø 89, 108, 133
spindle 20
bearing 6204
ch = 14

belt width mm	roller		ch	self-centralising transom					weight without rollers Kg
	Ø mm	C		capacity Kg	H mm	K _{max}	Q	E	
400	76-89-102 108-133	198	14 - 17	175	70	259	640	700	22.7
500		248		143	70	259	740	800	24.1
650		323		197	70	267	890	950	27.1
800		408		158	70	267	1090	1150	30.8
1000		508		209	70	275	1290	1350	36.4
1200		608		167	70	275	1540	1600	40.5

Q2 P

for rollers series:

PSV/2-FHD

Ø 133
spindle 25
bearing 6205
ch = 18

PSV/7-FHD

Ø 159, 194
spindle 40
bearing 6308
ch = 32

PSV/4-FHD

Ø 159
spindle 30
bearing 6206
ch = 22

belt width mm	roller		ch	self-centralising transom					weight without rollers Kg
	Ø mm	C		capacity Kg	H mm	K _{max}	Q	E	
800	133	408	18 - 22	158	150	367	1090	1150	33.2
1000		508		209	150	375	1290	1350	38.8
1200		608		167	150	375	1540	1600	43.0
1400		708		296	150	389	1740	1800	52.3
1600		808		262	150	389	1940	2000	56.6

800	159	408	18 - 22 - 32	158	150	387	1090	1150	34.3
1000		508		209	150	395	1290	1350	39.9
1200		608		167	150	395	1540	1600	44.1
1400		708		296	150	409	1740	1800	53.4
1600		808		262	150	409	1940	2000	57.7
1800	159-194	908	18 - 22 - 32	351	175	473	2190	2290	87.5
2000		1008		318	175	473	2420	2520	94.2
2200		1108		440	175	490	2620	2720	117.1

Return roller and guide rollers type PSV/G7-NCD 20S18 60N 100 have to be ordered separately.

Example of ordering
Q2L, 1000, F 14, 133, YA
Q2R, 1200, F 18, 159, YB