## Roller Skate Express - The Robusts



## Hints on use:

■ Models I-IIlv have 4 bolt holes as standard.

- If the Rollers are being used to their maximum carrying capacity or with lengthy intervals between use choose models with a hardened centre plate ( $=$ model A-H).
- In case of possible overload, choose chain roller material $50 \mathrm{CrV4}$ (B.S. 735 A 50; SAE 6150) (= models A-H-50CrV4).
- Maximum speed: $5 \mathrm{~m} / \mathrm{min}$.
- The rolling resistance depends on the track. For smaller models I-IIIV 7-5 \%, for larger models 5-3\% of the total load.
- Can be arranged with guide rollers (see drawing 11+12).
- Location of the fixing holes can be arranged to suit customers' requirements.
■ Optional in galvanised or stainless steel construction.


## Range of application:

- For short distances.
- If possible on suitable tracks, e.g. crane rails or steel beams.
- Movement of heavy loads in mining, steel industry, machine construction, bridge construction and the ship building industry.
- Use as a conveyor, when the load is moving and the Roller Skates are fixed.
■ Often used on construction sites.


## Characteristics of the series of model...A:

- Robust construction.
- Low level construction with higher carrying capacity, exchangeable in outer dimensions with models ...AS+ ...AM.
■ More stability achieved if load is firmly bolted to Roller Skate.
- Available with hardened centre plate (= models A-H) or additionally with higher tensile roller material $50 \mathrm{CrV4}$ (= SAE 6150) (= models A-H-50CrV4).


Mod. A, A-H (H = hardened and machined centre plate), A-H-50CrV4 (roller material 50CrV4)

| Mod. | a | b | C | 0 d | e | $f$ | g | h | Øi | k | I | Rollers under stress | Number of Rollers | $\begin{gathered} \text { Maximum } \\ \text { load } \\ \mathrm{kN} \end{gathered}$ | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I | 210 | 100 | 175 | 18 | 51 | 6 | 13 | 76 | 14 | 140 | 75 | 5 | 15 | 150 | 8.9 |
| II | 220 | 113 | 190 | 24 | 60 | 10 | 14 | 87 | 14 | 155 | 75 | 4 | 13 | 200 | 11.7 |
| III | 270 | 130 | 210 | 30 | 68 | 10 | 14 | 104 | 18 | 175 | 95 | 4 | 13 | 400 | 19.3 |
| IIIV | 320 | 140 | 220 | 30 | 68 | 10 | 18 | 115 | 18 | 180 | 120 | 6 | 17 | 500 | 29.0 |
| IV | 380 | 168 | 270 | 42 | 76 | 19 | 19 | 145 | 22 | 220 | 140 | 4 | 13 | 650 | 51.0 |
| V | 530 | 182 | 300 | 50 | 86 | 19 | 19 | 165 | 22 | 240 | 205 | 6 | 17 | 850 | 92.0 |

All dimensions in mm

