

Wire Take-Up Frames

with suspended, rotating capstans
for continuous drawing and coiling



Application

- designed for coiling resp. drawing and coiling of all kind of steel wires
- suitable for installation behind continuous furnaces with wire coating plants
- wire take-up either on carriers or in barrels
- continuous operation without stop of coiling process during change of carrier or barrel, if necessary by use of an intermediate collector



Wickelscheibe, Kombination von V-Scheibe und zylindrischer Scheibe

Mechanical design features

- Housing made of strong welded structural steelwork
- Structural segments for 3 capstans each
- Coiling capstans designed as V-grooved or cylindrical capstans, the latter with one or two press rolls
- Combination of V-grooved and cylindrical capstans for extension of application range (option)
- Combination of different sizes of V-grooved capstans to enable use of carriers or barrels of different sizes (option)
- Eccentrically arranged turntable with separate drive for take-up of carrier, thus achieving coils with rosette laying (option)
- Combination of single or all V-grooved or cylindrical capstans with drawing die holder and lubricant box for drawing with soap or liquid lubricant (option)
- Use of standardized drive units to achieve a progressive technical standard and an advantageous ratio of price and performance.



V-Scheibe Ø 500/600 mm mit Ziehwerkzeugehalter

Electrical design features

- Infinitely variable AC drive by frequency control
- Use of „Micromaster“ units made by SIEMENS for speed control of capstan and turntable
- Stored-program computer control SIMATIC S7 with separate operator panel OP at each capstan for individual adjustment of drawing resp. coiling speed etc.

Technical Data

Type / Size	Coiling capstan dia. Ø mm	Wire dia. range mm	Coiling speed m/min max.	Installed motor power capstan/turntable KW	Filling weight max. kg
WV,WVZ500	500	1,50 – 4,00	25	1,1 / 0,37	500
WV,WVZ600	500/600	1,50 – 7,50	20	2,2 / 0,37	1000

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