



FACCIN

4HEP

Datasheet



Reliable and
Accurate

4 Rolls Double Pinch Planetary Guides

The **4HEP** series of **4-roll synchronized bending rolls** is the latest design evolution developed by Faccin and tested by the most demanding operators in extreme environments for over 25 years. It combines **power, reliability and precision** in an exclusive package that makes it the **state of the art** in modern plate rolls.

A closed loop structure guarantees superior rolling quality and high repeatability of the products roundness that together with the traditional **ultra-wide drop end** ensure maximum rigidity of the machine against high longitudinal and traverse forces.

The traditional linear **RGS design** of the pinching roll guarantees higher **pinch forces for superior quality pre-bending**. The pinch roll is supported by 4 independent bearings (2 on each side) and the bearing housing is two times larger for **better lateral load absorption** and guiding.

The **HFS system** features an external mounting of the pivoting lateral hydraulic cylinders, fixed in their highest end as standard configuration on all medium and large sizes of **4HEP** to ensure a greater closeness of the bending force application points.

The **4HEP** innovative design optimizes the entire rolling cycle, working in one direction and **in one pass**, ensuring extreme safety and the capability of being handled totally by **a single operator**.

SIEMENS numerical control systems are available in all versions of **4HEP series** for the precise control of roller conveyors, automatic loading and unloading systems in the creation of a **fully-automatic line**.

4HEP bending rolls with exclusive Siemens CNC - designed and built by **Faccin** - are the most reliable and modern solution available amongst all rolling machines with planetary technology in the market today. The most reasonable investment for high productivity requirements when rolling plates from less than 1m and up to 10m with thickness 5 to 150 mm.

The Trusted Partner in
Metal Forming Machines

Standard equipment

- ❑ Planetary guides system for roll motion (PSG)
- ❑ 4 independent bearings supporting the bottom roll (MCS)
- ❑ Bearing seats with double width (WHS) on bottom roll
- ❑ Electronic synchronisation of roll parallelism (EPS)
- ❑ Hardened and polished rolls
- ❑ Mobile wheel mounted control console
- ❑ Conical device
- ❑ Lubrication system
- ❑ Emergency barrier around the machine
- ❑ CE certified machine

Optional features

- ❑ Side motorised rolls
- ❑ Automatic loading and unloading systems
- ❑ Motorised feeding table
- ❑ Automatic ejector
- ❑ Central and side supports
- ❑ Provision for hot rolling
- ❑ Integrated welding system
- ❑ Special colours
- ❑ CNC Siemens numerical control



Model/Size	Plate mm	Rolling mm	Prebend mm	Top Roll Min. mm	Pinch Roll Min. mm	Side Rolls Min. mm	Rolling Power Hp	Weight Kg	Dimensions mt
4HEP 201	2000	6	5	160	150	130	7	2.500	4,1x1,2x1,3
4HEP 202	2000	10	8	210	180	160	12,5	4.500	4,6x1,3x1,4
4HEP 251	2500	5	4	180	150	130	7	2.900	4,6x1,2x1,3
4HEP 252	2500	8	6	210	180	160	12,5	5.000	5,1x1,3x1,4
4HEP 253	2500	14	10	270	250	190	15	7.700	5,3x1,4x1,5
4HEP 254	2500	20	14	320	300	230	25	10.000	5,5x1,7x1,8
4HEP 301	3000	7	5	210	180	160	12,5	5.000	5,5x1,3x1,4
4HEP 302	3000	12	8	270	250	190	15	8.000	5,7x1,4x1,5
4HEP 303	3000	16	13	320	300	230	25	12.000	5,8x1,7x1,8
4HEP 304	3000	25	20	370	350	250	30	17.000	5,9x2,1x2,2
4HEP 305	3000	30	25	400	390	290	40	21.000	6,1x2,4x2,3
4HEP 306	3000	35	30	430	420	320	50	27.000	6,3x2,5x2,5
4HEP 307	3000	40	35	460	440	360	60	30.000	7,1x2,6x2,6
4HEP 308	3000	55	45	520	490	420	80	42.000	7,5x2,7x2,8
4HEP 309	3000	70	60	630	620	540	130	59.000	8,1x3,3x3,3
4HEP 310	3000	85	75	730	710	620	150	68.000	8,6x3,6x3,6
4HEP 401	4000	7	5	270	250	190	15	9.500	6,8x1,4x1,5
4HEP 402	4000	10	8	320	300	230	25	14.000	6,7x1,7x1,8
4HEP 403	4000	15	12	370	350	250	30	18.000	6,9x2,1x2,2
4HEP 404	4000	18	16	400	390	290	40	22.500	7,2x2,4x2,3
4HEP 405	4000	22	18	430	420	320	50	31.000	7,5x2,5x2,5
4HEP 406	4000	26	22	460	440	360	60	36.000	8,2x2,6x2,6

* Linear Guides Design (RGS) for small sizes
 * Planetary Swinging Arms Design (PSG) for medium and big sizes

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