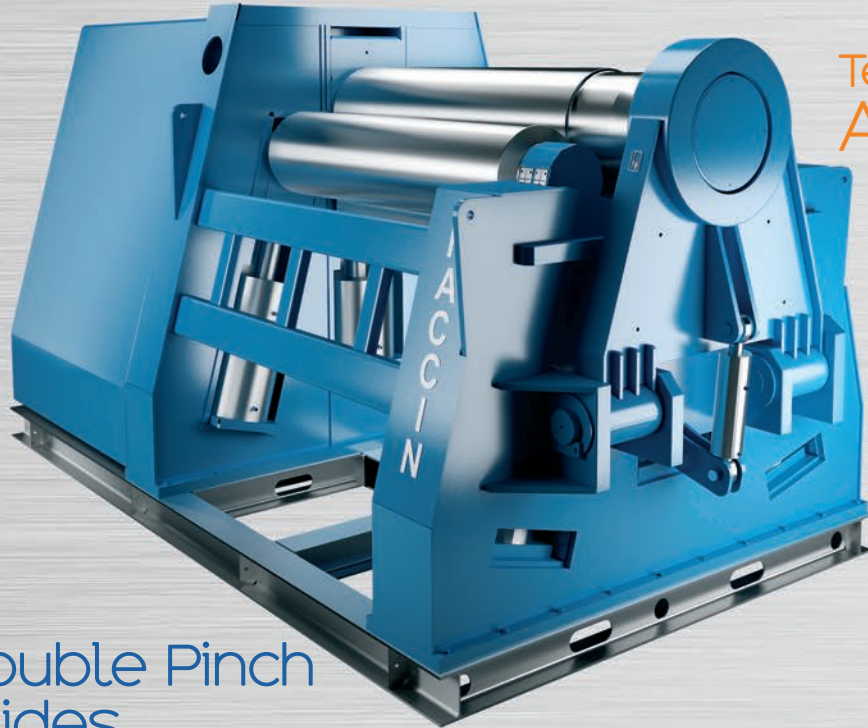




# FACCIN

# 4HEL

## Datasheet



## Technologically Advanced

## 4 Rolls Double Pinch Linear Guides

**4HEL** is the most precise and easiest to use series of **4-roll bending rolls** with total pre-bending. Highly technological and innovative, 4HEL bending rolls assure high-productivity with a speed 3-4 times higher than a traditional pyramid bending roll. Moreover, thanks to their production methods, the **4HEL bending rolls** can be effectively controlled through numerical control systems.

All models of **Faccin's 4HEL 4-roll bending rolls** are equipped with a rear side roll opposite the feeding side. Used as backing, this roll allows **the plate to be aligned** in an immediate and accurate manner. **The plate, moreover, always remains pinched** between the two central rolls, thus avoiding accidental slips. This not only optimises pre-bending and rolling operations, but it also assures **safer and more precise machining**, with the option of being handled entirely by a **single operator and Full CNC**.

With the **4 Rolls configuration**, the pre-bending operation does not require tilting the plate below the feeding level (as in traditional 3 roll bending rolls) so **horizontal feeding tables may be used**, for easier feeding of the plate into the machine. **With the 4HEL 4 rolls there's no need to leave free space on both sides** of the machines, but only at the selected infeed side.

With the 4HEL 4 rolls machine, the plate can be formed in one single pass. In fact after the first pre-bending, the plate is rolled to the desired diameter and then the second end forming is coming automatically.

**Cone bending processing made easier** by tilting the side rolls and the pinching roll to respectively set the cone angle and drag the sheet at its largest development.

The 4HEL machines are well known for their reliability thanks to their over dimensioned structure and the centralized Lubrication System. The Linear Guide Design (RGS) is **increasing their bending precision** minimizing the distance between the bending points.

Special design solutions like the Double Bearing System (MCS) are expressly used to have a better absorption of the maximum loads. The combination of **top quality components**, the **Hi-Tech Hydraulic of the FaccinAp** and **EPS system** make the 4HEL **one of the most technologically advanced** Plate Roll on the market.

**4HEL series CNC bending rolls** - designed and built by Faccin - are the best solution to bend plates from less than 1m and up to 10m with thickness 5 to 150 mm.

The Trusted Partner in  
Metal Forming Machines



## Standard equipment

- ❑ Linear guides for roll motion (RGS)
- ❑ 4 independent bearings supporting the lower rolls (MCS)
- ❑ Bearing seats with double width (WHS)
- ❑ Electronic synchronisation of roll parallelism (EPS)
- ❑ Hardened and polished rolls and conical device
- ❑ SIEMENS numerical control
- ❑ Mobile wheel mounted control console
- ❑ Faccin Advantage Package - FaccinAp
- ❑ Centralised lubrication system (pump)
- ❑ 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
- ❑ Version with planetary guides (4HEP)
- ❑ Integrated welding system
- ❑ Special colors
- ❑ 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
4HEL 201	2000	6	5	160	150	130	7	2.500	4,1x1,2x1,3
4HEL 202	2000	10	8	210	180	160	12,5	4.500	4,6x1,3x1,4
4HEL 251	2500	5	4	180	150	130	7	2.900	4,6x1,2x1,3
4HEL 252	2500	8	6	210	180	160	12,5	5.000	5,1x1,3x1,4
4HEL 253	2500	14	10	270	250	190	15	7.700	5,3x1,4x1,5
4HEL 254	2500	20	14	320	300	230	25	10.000	5,5x1,7x1,8
4HEL 301	3000	7	5	210	180	160	12,5	5.000	5,5x1,3x1,4
4HEL 302	3000	12	8	270	250	190	15	8.000	5,7x1,4x1,5
4HEL 303	3000	16	13	320	300	230	25	12.000	5,8x1,7x1,8
4HEL 304	3000	25	20	370	350	250	30	17.000	5,9x2,1x2,2
4HEL 305	3000	30	25	400	390	290	40	21.000	6,1x2,4x2,3
4HEL 306	3000	35	30	430	420	320	50	27.000	6,3x2,5x2,5
4HEL 307	3000	40	35	460	440	360	60	30.000	7,1x2,6x2,6
4HEL 308	3000	55	45	520	490	420	80	42.000	7,5x2,7x2,8
4HEL 309	3000	70	60	630	620	540	130	59.000	8,1x3,3x3,3
4HEL 310	3000	85	75	730	710	620	150	68.000	8,6x3,6x3,6
4HEL 401	4000	7	5	270	250	190	15	9.500	6,8x1,4x1,5
4HEL 402	4000	10	8	320	300	230	25	14.000	6,7x1,7x1,8
4HEL 403	4000	15	12	370	350	250	30	18.000	6,9x2,1x2,2
4HEL 404	4000	18	16	400	390	290	40	22.500	7,2x2,4x2,3
4HEL 405	4000	22	18	430	420	320	50	31.000	7,5x2,5x2,5
4HEL 406	4000	26	22	460	440	360	60	36.000	8,2x2,6x2,6

SPECIAL SIZES AND CAPACITIES AVAILABLE UPON REQUEST. PLEASE SEND US YOUR INQUIRIES.

DATA CAN BE CHANGED WITHOUT PRIOR NOTICE IN CONSIDERATION OF CONTINUING TECHNOLOGICAL IMPROVEMENTS