



Precision and Reliability

3 Rolls Double Pinch Linear Guides

Precise, reliable and powerful, the **3HEL** series represents the latest evolution of the traditional **3-roll double pinch bending roll**. Stemming from Faccin's long experience in manufacturing bending machinery, the range is designed to meet the needs of the metal fabrication sector in terms of sturdiness, ease of use and versatility.

3HEL is the series of highly powerful, **pyramidal linear guide bending rolls** capable of assuring superior results with no power losses. In **3HEL** models all 3 rolls are motorized with independent hydraulic gear motors directly coupled on the shafts of the rolls, a major advantage that assures the superiority of these **bending rolls** by torque and rotational speed.

A standard feature of all **3HEL** models designed and built by **Faccin** is the **RGS side guide configuration**; it minimizes the distance between the points of application of the forces at play, assuring superior rolling quality and optimized machine performance.

The **pyramidal bending rolls** are also equipped with an **MCS multi bearing system** able to improve their reliability and versatility.

Thanks to this system, each lower roll is fitted with 4 independent bearings that increase the load absorption capacity and aid side roll tilting when rolling cones.

The MCS system also features, within the linear guides, of large roll supports with lubrication system able to effectively prevent wear of the **bending roll**.

The **3-roll bending rolls** of the **3HEL** series are suitable to bend plates with length from 1500 to 4000 mm and thickness between 3 and 300 mm.

For added versatility of use, it is possible to extend the roll shafts for fitting profile bending or tube bending rings.

Standard equipment

- ▣ Linear guides for roll movement (RGS)
- ▣ 4 independent bearings supporting the lower rolls (MCS)
- ▣ Bearing seats with double width (WHS)
- ▣ Electronic synchronization of roll parallelism (EPS)
- ▣ Induction hardened and polished rolls
- ▣ Digital readouts for roll position
- ▣ 3 independent motor-driven rolls
- ▣ Mobile wheel mounted control console
- ▣ Conical device
- ▣ Centralized manual lubrication (pump)
- ▣ Emergency barrier around the machine
- ▣ CE certified machine

Optional features

- ▣ Profile section bending rings
- ▣ Numerical controls
- ▣ Version with vertical rolls
- ▣ Version with corrugated rolls
- ▣ Central and side supports
- ▣ Machine ready for hot rolling
- ▣ Version with planetary guides (3HEP)
- ▣ Special colors



Model/Size	Plate mm	Rolling 5xD mm	Prebend 5xD mm	Prebend 1,4xD mm	Top Roll mm	Side Rolls mm	Rolling Power Hp	Weight Kg	Dimensions mt
3HEL 1521	1500	15	12	9	215	195	10	3.000	3,2x1x1,1
3HEL 1526	1500	23	18	13	265	245	15	5.000	4x1,2x1,7
3HEL 1528	1500	28	22	16	285	265	20	5.000	4x1,2x1,7
3HEL 2021	2000	13	9	7	215	195	10	3.000	3,7x1x1,1
3HEL 2026	2000	19	15	11	265	245	15	5.000	4,5x1,2x1,7
3HEL 2028	2000	23	18	13	285	265	20	6.000	4,5x1,2x1,7
3HEL 2521	2500	9	7	5	215	195	10	4.000	4,2x1x1,1
3HEL 2526	2500	15	12	9	265	245	15	6.000	5x1,2x1,7
3HEL 2528	2500	19	15	11	285	265	20	7.000	5x1,2x1,7
3HEL 2534	2500	23	19	15	340	315	25	11.000	4,8x1,6x1,8
3HEL 3121	3000	7	5	3	215	195	10	4.000	4,7x1x1,1
3HEL 3126	3000	13	9	7	265	245	12.5	7.000	5,5x1,2x1,7
3HEL 3128	3000	15	12	9	285	265	15	8.000	5,5x1,2x1,7
3HEL 3132	3000	17	14	11	320	300	20	11.000	5,2x1,4x1,7
3HEL 3134	3000	20	15	12	340	315	25	12.000	5,2x1,4x1,7

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