Bonfiglioli has been designing and developing innovative and reliable power transmission and control solutions for industry, mobile machinery and renewable energy applications since 1956.

Bonfiglioli Riduttori S.p.A.
Via Giovanni XXIII, 7/A
40012 Lippo di Calderara di Reno
Bologna (Italy)
tel: +39 051 647 3111
fax: +39 051 647 3126
bonfiglioli@bonfiglioli.com
www.bonfiglioli.com
Gearboxes for single-screw extruders

The HDPE series is the configuration specifically developed for single-screw extruder drives generated from the nintron heavy duty series HDPE (with which it shares most of the component parts and gearing). Mounted forward to the sturdy nodular cast iron case, and housed into a robust extruder support, HDPE units feature a heavy duty spherical roller thrust bearing of series 294...E, exclusively sourced from primary brands. The particular construction guarantees a common lubrication for the gearbox rotating parts as well as the extruder support. Due to extreme modularity, each of the HDPE frame sizes allows the selection of the most suitable bearing to win the axial forces generated by the extruder screw, resulting into both a technically optimized and a price effective drive unit.

Customized mounting dimensions for the extruder support will allow matching most of the Customers’ machine interfaces. Ratings and main assembly dimensions are listed in the HDP sales catalogue, which we invite to refer to as far as the engineering selection of the product and for any other detail that is not listed in this leaflet. Kindly note that, when sizing a gearbox for extruder duty, the application of a minimum service factor fs = 1.5 is recommended.

The long time experience of the Bonfiglioli Technical Service is available to support Customers in specifying every aspect of the product properly and safely with the aim of selecting the most effective drive for their extruder application.