

## SECTION B — PERFORMING OPERATIONS; TRANSPORTING

### B29 WORKING OF PLASTICS; WORKING OF SUBSTANCES IN A PLASTIC STATE IN GENERAL

**B29D PRODUCING PARTICULAR ARTICLES FROM PLASTICS OR FROM SUBSTANCES IN A PLASTIC STATE** (making granules B29B 9/00; making preforms B29B 11/00) [4]

#### Note(s)

1. Attention is drawn to Note (3) following the title of class B29.
2. In this subclass, it is desirable to add the indexing codes of subclass B29K.

<b>1/00</b>	<b>Producing articles provided with screw threads</b>	<b>21/00</b>	<b>Producing hair combs or similar toothed or slotted articles</b>
<b>5/00</b>	<b>Producing elements of slide fasteners; Combined making and attaching of elements of slide fasteners [4]</b>	21/04	• by sawing, milling, cutting, or similar operations
5/02	• the fasteners having separate interlocking members [4]	21/06	• Polishing
5/04	• the interlocking members being formed by continuous meander of filamentary material [4]	<b>22/00</b>	<b>Producing hollow articles</b> (tubular articles B29D 23/00; pneumatic tyres B29D 30/00) [4]
5/06	• the interlocking members being formed by continuous helix [4]	22/02	• Inflatable articles [7]
5/08	• the interlocking members being formed by profiled or castellated edge of a stringer [4]	22/04	• Spherical articles, e.g. balls (B29D 22/02 takes precedence) [7]
5/10	• the interlocking members being formed by continuous profiled strip [4]	<b>23/00</b>	<b>Producing tubular articles</b> (B29D 24/00 takes precedence) [4]
<b>7/00</b>	<b>Producing flat articles, e.g. films or sheets</b> (B29D 24/00 takes precedence) [4]	23/14	• Cigar or cigarette holders [4]
7/01	• Films or sheets [4]	23/18	• Pleated hoses [4]
<b>11/00</b>	<b>Producing optical elements, e.g. lenses, prisms</b> (grinding or polishing of optical elements B24B; constructional form of optical elements G02B) [4]	23/20	• Flexible squeeze tubes, e.g. for cosmetics [4]
11/02	• Artificial eyes from organic plastic material	23/24	• Endless tubes, e.g. inner tubes for pneumatic tyres [6]
<b>12/00</b>	<b>Producing frames</b>	<b>24/00</b>	<b>Producing articles with hollow walls [4]</b>
12/02	• Spectacle frames (constructional form G02C)	<b>25/00</b>	<b>Producing frameless domes</b>
<b>15/00</b>	<b>Producing gear wheels or similar articles with grooves or projections, e.g. control knobs</b>	<b>28/00</b>	<b>Producing nets or the like</b> (by knotting D04G) [4]
<b>16/00</b>	<b>Producing articles with corrugations</b> (B29D 23/18 takes precedence) [4]	<b>29/00</b>	<b>Producing belts or bands [4]</b>
<b>17/00</b>	<b>Producing carriers of records containing fine grooves or impressions, e.g. disc records for needle playback, cylinder records</b> (recording sound or other information using formed grooves or the equivalent G11B); <b>Producing record discs from master stencils [4, 6]</b>	29/06	• Conveyer belts [4]
<b>19/00</b>	<b>Producing buttons or semi-finished parts of buttons</b>	29/08	• Toothed driving belts [4]
19/04	• by cutting, milling, turning, stamping, or perforating moulded parts; Surface treatment of buttons	29/10	• Driving belts having wedge-shaped cross-section [4]
19/06	• • Devices for feeding semi-finished parts to the processing machines	<b>30/00</b>	<b>Producing pneumatic or solid tyres or parts thereof</b> (producing inner tubes B29D 23/24; constructional form of tyres or parts thereof B60C; connection of valves to inflatable elastic bodies B60C 29/00; testing of tyres G01M 17/02) [4]
19/08	• • Making holes in buttons or in semi-finished parts thereof	30/02	• Solid tyres [4]
		30/04	• Resilient fillings for rubber tyres; Filling tyres therewith [4]
		30/06	• Pneumatic tyres or parts thereof [4]
		30/08	• • Building tyres [4]
		30/10	• • • on round cores, i.e. the shape of the core is approximately identical with the shape of the completed tyre [4]
		30/12	• • • • Cores [4]
		30/14	• • • • Rolling-down or pressing-down the layers in the building process [4]
		30/16	• • • • Applying the layers; Guiding or stretching the layers during application [4]

## B29D

- 30/18 • • • • Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores [4]
- 30/20 • • • • by the flat-tyre method, i.e. building on cylindrical drums [4]
- 30/22 • • • • Breaker plies being applied in the unexpanded state [4]
- 30/24 • • • • Drums [4]
- 30/26 • • • • • Accessories or details, e.g. membranes, transferrings [4]
- 30/28 • • • • Rolling-down or pressing-down the layers in the building process [4]
- 30/30 • • • • Applying the layers; Guiding or stretching the layers during application [4]
- 30/32 • • • • Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores [4]
- 30/34 • • • • by jointly covering two bead-rings, located parallel to each other at a distance apart, with fabric or cord layers [4]
- 30/36 • • Expansion of tyres in a flat form, e.g. of tyres built by the flat-tyre method or by jointly covering two bead-rings [4]
- 30/38 • • Textile inserts, e.g. cord or canvas layers, for tyres (making woven fabrics D03D); Treatment of inserts prior to building the tyre (pretreatment of inserts B29B 15/00; manufacture of layers comprising fibrous parallel reinforcements of substantial or continuous length B29C 70/20) [4]
- 30/40 • • • • Chemical pretreatment of textile inserts before building the tyre [4]
- 30/42 • • • • Endless textile bands without bead-rings [4]
- 30/44 • • • • Stretching or treating the layers before application on the drum (during application B29D 30/30) [4]
- 30/46 • • • • Cutting textile inserts to required shape [4]
- 30/48 • • • • Bead-rings or bead-cores (from wire B21F 37/00); Treatment thereof prior to building the tyre [4]
- 30/50 • • • • Covering, e.g. by winding, the separate bead-rings or bead-cores with textile material, e.g. with flipper strips (folding textile layers around bead-rings or bead-cores B29D 30/18, B29D 30/32; jointly covering bead-rings or bead-cores B29D 30/34) [4]

- 30/52 • • • • Unvulcanised treads, e.g. on used tyres; Retreading (apparatus for forming and vulcanising treads B29C 35/02; apparatus characterised by the means for holding wheels or parts thereof B60B 30/00) [4, 5]
- 30/54 • • • • Retreading [4]
- 30/56 • • • • • Retreading with prevulcanised tread [4]
- 30/58 • • • • Applying bands of rubber treads, i.e. applying camel backs [4]
- 30/60 • • • • • by winding narrow strips [4]
- 30/62 • • • • • by extrusion or injection of the tread on carcass [4]
- 30/64 • • • • Tyre spreaders [4]
- 30/66 • • • • Moulding treads on to tyre casings, e.g. non-skid treads with spikes [4]
- 30/68 • • • • Cutting profiles into the treads of tyres [4]
- 30/70 • • • • Annular breakers [4]
- 30/72 • • • • Side-walls [4]

### 33/00 Producing bushes for bearings [2010.01]

### 35/00 Producing footwear [2010.01]

#### Note(s) [2010.01]

1. Classification is made in this group if the moulding technique is of interest.
  2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00.
- 35/02 • • made in one piece using a moulding technique, e.g. by injection moulding or casting [2010.01]
  - 35/04 • • • • having multilayered parts [2010.01]
  - 35/06 • • having soles or heels formed and joined on to preformed uppers using a moulding technique, e.g. by injection moulding, pressing and vulcanising [2010.01]
  - 35/08 • • • • having multilayered parts [2010.01]
  - 35/10 • • having preformed soles or heels joined on to preformed uppers using a moulding technique, e.g. by feeding or injecting plastics material between the parts to be joined [2010.01]
  - 35/12 • • Producing parts thereof, e.g. soles, heels or uppers, by a moulding technique [2010.01]
  - 35/14 • • • • Multilayered parts [2010.01]

### 99/00 Subject matter not provided for in other groups of this subclass [2010.01]