

B 29 D PRODUCING PARTICULAR ARTICLES FROM PLASTICS OR FROM SUBSTANCES IN A PLASTIC STATE (making granules [B 29 B 9/00](#); making preforms [B 29 B 11/00](#)) [4]

Notes

- (1) Attention is drawn to Note (3) following the title of class [B 29](#). [4]
 (2) In this subclass, it is desirable to add the indexing codes of subclass [B 29 K](#). The indexing codes should be unlinked. [4]

1/00	Producing articles provided with screw threads	21/00	Producing hair combs or similar toothed or slotted articles
5/00	Producing elements of slide fasteners; Combined making and attaching of elements of slide fasteners [4]	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]	22/00	Producing hollow articles (tubular articles 23/00 ; pneumatic tyres 30/00) [4]
5/06	. the interlocking members being formed by continuous helix [4]	22/02	. <i>Inflatable articles</i> [7]
5/08	. the interlocking members being formed by profiled or castellated edge of a stringer [4]	22/04	. <i>Spherical articles, e.g. balls</i> (<i>22/02 takes precedence</i>) [7]
5/10	. the interlocking members being formed by continuous profiled strip [4]	23/00	Producing tubular articles (<i>24/00 takes precedence</i>) [4]
7/00	Producing flat articles, e.g. films or sheets (<i>24/00 takes precedence</i>) [4]	23/14	. Cigar or cigarette holders [4]
7/01	. Films or sheets [4]	23/18	. Pleated hoses [4]
9/00	Producing layered products [4]	23/20	. Flexible squeeze tubes, e.g. for cosmetics [4]
		23/24	. Endless tubes, e.g. inner tubes for pneumatic tyres [6]
		24/00	Producing articles with hollow walls [4]
		25/00	Producing frameless domes
		28/00	Producing nets or the like (by knotting D 04 G) [4]
		29/00	Producing belts or bands [4]
		29/06	. Conveyer belts [4]
		29/08	. Toothed driving belts [4]
		29/10	. Driving belts having wedge-shaped cross-section [4]
		30/00	Producing pneumatic or solid tyres or parts thereof (producing inner tubes 23/24 ; constructional form of tyres or parts thereof B 60 C ; connection of valves to inflatable elastic bodies B 60 C 29/00 ; testing of tyres G 01 M 17/02) [4]
11/00	Producing optical elements, e.g. lenses, prisms (grinding or polishing of optical elements B 24 B ; constructional form of optical elements G 02 B) [4]	30/02	. Solid tyres [4]
11/02	. Artificial eyes from organic plastic material	30/04	. Resilient fillings for rubber tyres; Filling tyres therewith [4]
12/00	Producing frames	30/06	. Pneumatic tyres or parts thereof [4]
12/02	. Spectacle frames (constructional form G 02 C)	30/08	. . Building tyres [4]
15/00	Producing gear wheels or similar articles with grooves or projections, e.g. control knobs	30/10	. . . on round cores, i.e. the shape of the core is approximately identical with the shape of the completed tyre [4]
16/00	Producing articles with corrugations (<i>23/18 takes precedence</i>) [4]	30/12 Cores [4]
17/00	Producing carriers of records containing fine grooves or impressions, e.g. disc records for needle playback, cylinder records (recording sound or other information using formed grooves or the equivalent G 11 B); Producing record discs from master stencils [4,6]	30/14 Rolling-down or pressing-down the layers in the building process [4]
19/00	Producing buttons or semi-finished parts of buttons	30/16 Applying the layers; Guiding or stretching the layers during application [4]
19/04	. by cutting, milling, turning, stamping, or perforating moulded parts; Surface treatment of buttons	30/18 Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores [4]
19/06	. . Devices for feeding semi-finished parts to the processing machines	30/20	. . . by the flat-tyre method, i.e. building on cylindrical drums [4]
19/08	. . Making holes in buttons or in semi-finished parts thereof	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]

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- 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 [D 03 D](#)); Treatment of inserts prior to building the tyre (pretreatment of inserts [B 29 B 15/00](#); manufacture of layers comprising fibrous parallel reinforcements of substantial or continuous length [B 29 C 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 [30/30](#)) [4]
- 30/46 . . . Cutting textile inserts to required shape [4]
- 30/48 . . Bead-rings or bead-cores (from wire [B 21 F 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 [30/18](#), [30/32](#); jointly covering bead-rings or bead-cores [30/34](#)) [4]
- 30/52 . . Unvulcanised treads, e.g. on used tyres; Retreading (apparatus for forming and vulcanising treads [B 29 C 35/02](#); apparatus characterised by the means for holding wheels or parts thereof [B 60 B 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]
- 31/00 Producing other particular articles** (artificial teeth [A 61 C 13/08](#))
- 31/02 . Bushes for bearings
- 31/50 . Footwear [6]

Notes

- (1) Classification is made in this group if the moulding technique is of interest. [6]
- (2) The assembling of individual parts by mechanical joining is classified in subclass [A 43 D](#), e.g. by gluing shoe parts [25/00](#). [6]
- 31/502 . . made in one piece using a moulding technique, e.g. by injection moulding, casting [6]
- 31/505 . . . having multilayered parts [6]
- 31/508 . . having soles or heels formed and joined on to preformed uppers using a moulding technique, e.g. by injection moulding, pressing and vulcanising [6]
- 31/51 . . . having multilayered parts [6]
- 31/512 . . 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 [6]
- 31/515 . . Producing parts thereof, e.g. soles, heels, uppers, by a moulding technique [6]
- 31/518 . . . Multilayered parts [6]