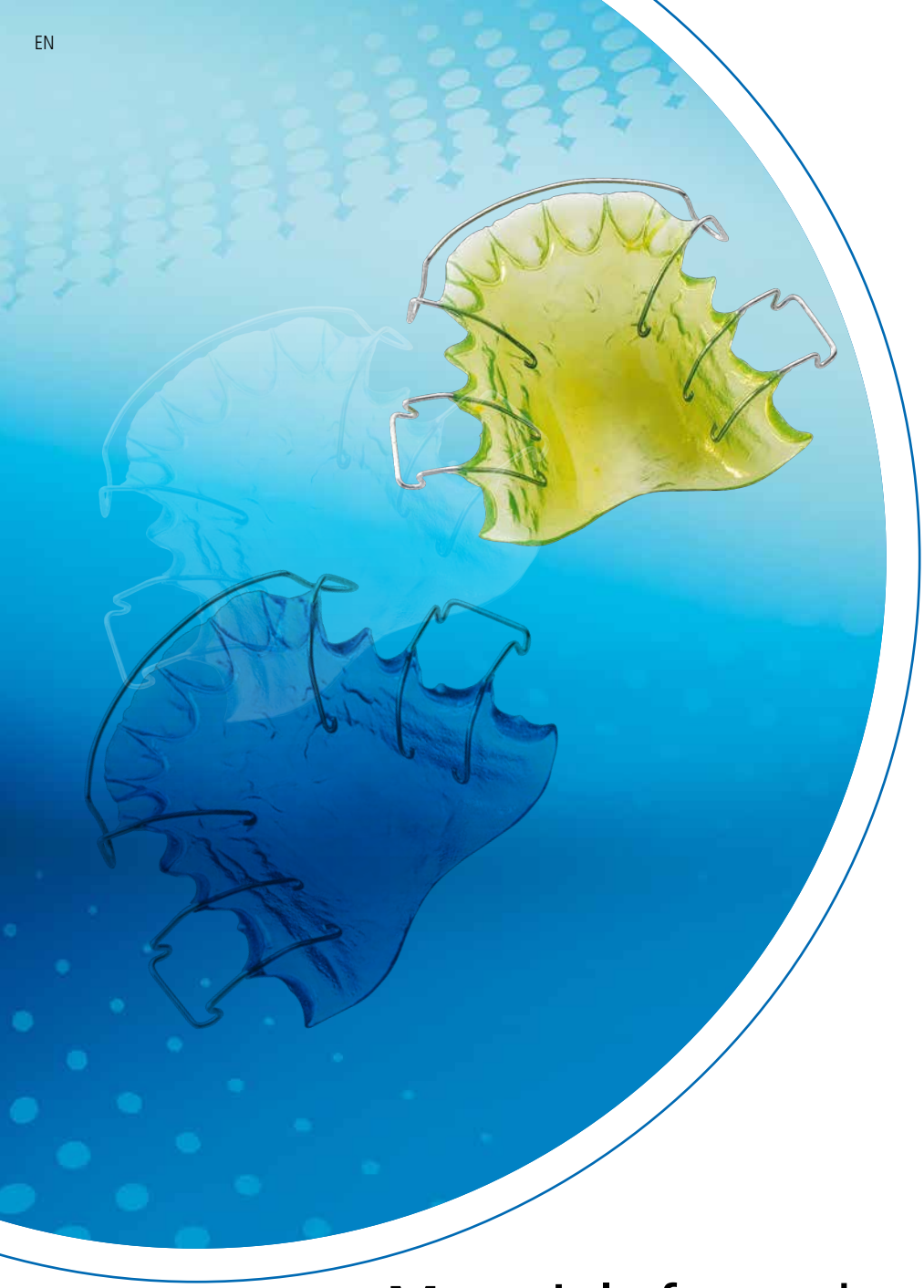
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Materials for orthodontic products

As of September 2026

DENTAURUM
1886

Product groups	Product	Identification no.*
Aligner	prime4me® Aligner	4.102
	prime4me® retainer	4.102
	prime4me® Aligner Attachment Guide	4.004
Lingual system	discovery® delight – lingual brackets / molar tubes	1.005
	rematitan® LITE lingual bow	3.200
	remanium® lingual bow	1.012 or 1.013
	dentaflex® lingual bow	1.012 or 1.013
Self-ligating brackets	dinamique® c	5.000, 3.300, rhodium coating
	dinamique® m	1.009, 3.300
	discovery® sl / discovery® sl 2.0	1.003. 1.009, 3.005
	discovery® smart sl	1.003. 1.005, 1.009
Metal brackets	discovery® / discovery® smart	1.005
	topic	3.004
	equilibrium® 2 / equilibrium® mini	1.005
	equilibrium® 2 / equilibrium® mini with hook	1.001. 1.005
	equilibrium® ti	3.104
	equilibrium® ti with hook	3.102, 3.104
Aesthetic brackets	discovery® pearl	5.000, 4.003 (positioning guide)
Bracket accessories	Titanium button with chain acc. to Watted	3.100, 3.101
	Lingual button for bonding technique	1.002
	Lingual double hook for bonding technique	1.000, 1.001, 1.008
	Mesh bases for buccal tubes for bonding technique	1.000, 1.001
Buccal tubes	Ortho-Cast / Ortho-Cast w. h. / Ortho-Cast w. h. & w. t. / Ortho-Cast M-Series	1.005
w.h. = with hook	Ortho-Cast w. h. and central tube	1.000, 1.005
w. t. = with tube	Ortho-Cast with large base / Ortho-Cast w. h. and large base	1.000, 1.001, 1.005
w. h. & w. t. = with hook and tube	Ortho-Cast w. h. & w. t. occlusal / gingival	1.005, 1.008
	Ortho-Cast mini / Ortho-Cast sl	1.005
	Ortho-Cast NF	3.004
	Ortho / Ortho w. t.	1.000, 1.002
	Ortho w. h. / Ortho w. h. & w. t.	1.000, 1.001, 1.002
	Ortho for bonding technique / Ortho w. t. occlusal for bonding technique	1.000, 1.001, 1.002
	Ortho with mesial / distal hook and central tube	1.000, 1.002, 1.005
	rematitan®	3.100, 3.101
	rematitan® with hook	3.101, 3.102
	Lingual / palatal sheaths	1.008
	Lingual / palatal sheaths with mesial / distal hooks	1.000, 1.008
	Lingual / palatal sheaths with distal hooks	1.002, 1.008
	Lingual / palatal sheaths "easy in"	1.008
	Buttons	1.002
	Band seating lug	1.005
	Double hook / Hook with seating lug	1.008
Bands	dentaform® Snap	1.008
	dentaform®	1.001
	Standard bicuspid and cuspid bands	1.001
	Standard 1st and 2nd molar bands	1.008
	Band material on rolls	1.001
	Matrix band on rolls	1.003
Archwires	remanium® ideal arch	1.013
	Equire preformed ideal arch	1.013
	dentaflex® ideal arch	1.012 or 1.013
	Noninium® ideal arch	REF XXX-XXX-00 / 1.006
		REF XXX-XXX-10 / 1.014
	Tensic® ideal arch	3.203
	Equire thermo-active preformed ideal arch	3.200
	Tensic® White ideal arch	3.200, 4.008
	rematitan® LITE ideal arch / Ricketts® PENTA ideal arch	3.202
	rematitan® LITE Spee® retraction arch	3.202
	rematitan® LITE White ideal arch	3.202, 4.008

Product groups	Product	Identification no.*
Archwires	remaloy® ideal arch	3.006
	rematitan® SPECIAL ideal arch	3.103
Wires	remanium® straight wire / wire on coils	1.003
	dentaflex® straight wire, round, 3-strand twisted	1.003
	dentaflex® straight wire, round, 6-strand co-axial	1.012 or 1.013
	dentaflex® wire on coils, round, 3-strand twisted / 6-strand co-axial	1.011
	Noninium® straight wire	1.006
	Noninium® wire on coils	1.014
	remaloy® straight wire	3.006
	rematitan® SPECIAL straight wire	3.103
	rematitan® LITE wire on coils	3.200
Retainer	remataln® flat retainer wire	1.013
	Titanium retainer wire Ti 1	3.100
	Titanium retainer wire Ti 5	3.102
	Gold retainer wire	2.301
	remanium® lingual retainer	1.011, 1.013
	prime4me® RETAIN3R	3.102
Wires, Arches, Accessories	remanium® ligature wire	1.005
	remanium® preformed ligatures, short	1.005
	remanium® preformed ligatures, long	1.012 or 1.013
	remanium® Kobayashi ligatures	1.012 or 1.013
	Ligatures White, Kobayashi White ligatures	1.013, 4.008
	remanium® tension springs / compression springs	1.003
	rematitan® LITE tension springs / compression springs	3.200
	Cuspid retraction springs	1.000, 1.003
	Jaw fracture splint	1.000
	Sliding tubes, round with hook	1.000, 1.001
	Clamping tubes, rectangular with hook	1.005
	Clamping tubes, rectangular with wire	1.003, 1.005
	Cross tube, rectangular tube	1.000
	Stop tubes	1.013
	Noninium® standard labial arches	1.014
	Noninium® Adams clasps / triangular clasps / arrow clasps	1.014
	Noninium® ball retainer clasps	1.014
	remanium® ball retainer clasps / remanium® arrow clasps	1.001
	Guide pins acc. to G. Müller®	1.003
	Guide pins acc. to Hinz	1.012 or 1.013
	Lingual bar	1.003
	Strengthener	1.005
	Stainless steel tubes	1.000
	Plastic sleeving	4.009
	remanium® Goshgarian palatal bars	1.013
	remanium® Quad Helix	1.013
	Orthorama® palatal arches / lingual arches / sectional arches / multi-action	3.006
	Orthorama® transfer jigs	1.000
	Orthorama® retention rings	1.001, 1.008
	Grid strengtheners / wire mesh stainless steel	1.000
	Grid strengtheners / wire mesh gold-plated (24 ct.)	1.000
Class II appliances	SUS² / SUS³ telescope rod, assembled	1.002, 1.003
	SUS² / SUS³ telescope rod	1.003
	SUS² / SUS³ arch adapter / fixing screw	1.002
	SUS² telescope element	1.000, 1.003
	SUS³ telescope element	1.000, 1.003, 1.015
	SUS² / SUS³ turbo spring / pressure spring (stainless steel)	1.003
	SUS² compression spring (nickel titanium)	3.200
	SUS² / SUS³ distance spring	1.003
	Spacer rings, open	1.002
	SUS² / SUS³ ball retainer clasp	1.000

Product groups	Product	Identification no.*
Class II – Appliances	Herbst I hexagon socket screw / slotted screws	1.002
	Base for Herbst / pivots	1.002
	Herbst telescope tubes	1.009
	Herbst telescope tubes with ball joint	1.000, 1.002, 1.003
	Herbst TS telescope attachment	1.000, 1.002, 1.003, 1.009
	Herbst telescope rods	1.002
	Herbst spacer rings	1.002
Intra-oral & extra-oral	Noninium® facebow, medium	1.006, 4.001
	Standard facebow, with stop loops	1.000, 1.003, 4.001
	Standard facebow, with stop loops, with canine hook	1.000, 1.001, 1.003, 4.001
	Dentalastics® extra-oral plastic chain	4.009 **
	Extra-oral elastics, latex	4.201 **
	Lip bumper	1.000, 1.001, 3.006, 4.003
	Stop tubes	1.000
	Stop screws	1.002
	Activator tubes	1.000, 1.001
	Elastic placers	4.006
	Elastics intra-oral, latex	4.201 **
	Elastics intra-oral, latex	Thermoplastic acrylic**
	Elastic ligature	4.009
	Elasto-Force ligature thread	4.009 **
	Dentalastics® rotation wedge / plastic ligatures / separators / Personal ligatures	4.009
	Elasto-Force, SUPER Elasto-Force plastic chains	4.009
	Oral screen Ulmer Modell	4.009
	FaceFormer ONE blue with hygiene box	4.203
tomas® anchorage system	tomas®-pin	3.102
	tomas®-abutment universal	1.005
	tomas®-abutment tube	1.000, 1.005
	tomas®-RPE eyelet	1.000, 4.006
	tomas®-abutment wire	1.000, 1.005, 3.000
	tomas®-abutments median	1.000, 1.005, 3.000
	tomas®-abutment plain	1.000, 1.005
	tomas®-abutment EP	1.000
	tomas®-coil spring	1.013, 3.200
	tomas®-uprighting spring	1.000, 1.003, 3.200
	tomas®-stop screw	1.000, 1.002
	tomas®-slotted stops	1.013
	tomas®-hook / tomas®-T-wire	1.003
	tomas®-cross tube	1.000
	tomas®-power arm	1.003, 1.005
	tomas®-crimp hook	1.005
	tomas®-aligner hook	1.005
	tomas® PI 4.0	3.102
	tomas® PI-abutment multiple	1.000
	tomas® PI-abutment screw	3.102
	tomas® PI-abutment plain	1.000
	tomas® PI-abutment plain set with wire	1.000, 3.000, 3.102
	tomas® PI-straight wire with notch	3.000
amda® distalization appliance	amda® telescope	1.000, 1.002, 1.003
	amda® connector	1.003
	amda® palatal arch	1.000

Product groups	Product	Identification no.*
Expansion screws	Standard expansion screws	1.002, 1.003, 4.006
	rematitan® expansion screw Medium	3.101, 3.102, 4.006
	Trapezoidal expansion screw	1.002, 1.003, 4.006
	Sectional screws, retraction screws	1.002, 1.003, 4.006
	Neo-Bertoni three-dimensional screws	1.002, 1.003, 1.005, 4.006
	Three-dimensional screw acc. to Bertoni / acc. to Steiner	1.002, 1.003, 4.006
	Fan-type expansion screw	1.000, 1.002, 4.006
	Mandibular bow screw acc. to Müller	1.002, 1.003, 4.006
	Neo-bite jumping appliance acc. to F.M. Sander	1.002, 1.003, 1.019, 4.006
	Guide ridge for flexible forward thrust double plate system acc. to Schaneng	1.002, 1.003, 1.015
	Expansion screw for split activator	1.002, 1.003, 4.006
	Expansion screw for progenia activator acc. to Weise	1.002
	Piston spring screws	1.002, 1.003
	Knurled nut	1.002
	Variety / Variety SP / Variety click / Variety click SP expansion screws	1.000, 1.002, 1.003
	Titan hyrax® Maxi expansion screw	3.102, 3.104
	rematitan® straight wire, round	3.100
	hyrax® / hyrax® click / hyrax® neo expansion screws	1.000, 1.002, 1.003
	Directional arrows	4.006
	Expansion screw key, standard	1.003
	Expansion screw key, large	1.002, 1.003
	Safety key for hyrax® / Variety screw	1.003, 4.100

*__Note:__ If several materials are listed, this means that the product consists of all these materials.

** Also contains traces of other elements. Please ask if you have any queries.

1. Stainless steel

Composition in weight %

No.	Material		C	Si	Mn	Cr	Mo	Ni	P	S	Other	Fe
	Designation	Number (DIN, AISI)*										
1.000	Stainless steel	1.4301	≤ 0.07	≤ 1.0	≤ 2.0	17.0–19.5	–	8.0–10.5	≤ 0.045	≤ 0.03	N ≤ 0.11	Rest
1.001	Stainless steel	1.4303	≤ 0.06	≤ 1.0	≤ 2.0	17.0–19.0	–	11.0–13.0	≤ 0.045	≤ 0.03	N ≤ 0.11	Rest
1.002	Stainless steel	1.4305	≤ 0.10	≤ 1.0	≤ 2.0	17.0–19.0	–	8.0–10.0	≤ 0.045	0.15–0.35	N ≤ 0,11/ Cu ≤ 1,0	Rest
1.003	Stainless steel	1.4310	0.05–0.15	≤ 2.0	≤ 2.0	16.0–19.0	≤ 0.8	6.0–9.5	≤ 0.045	≤ 0.015	N ≤ 0.11	Rest
1.004	Stainless steel	1.4401	≤ 0.07	≤ 1.0	≤ 2.0	16.5–18.5	2.0–2.5	10.0–13.0	≤ 0.045	≤ 0.03	N ≤ 0.11	Rest
1.005	Stainless steel	1.4404	≤ 0.03	≤ 1.0	≤ 2.0	16.5–18.5	2.0–2.5	10.0–13.0	≤ 0.045	≤ 0.03	N ≤ 0.11	Rest
1.006	Stainless steel	1.4456	≤ 0.1	≤ 1.0	16.0–20.0	16.0–20.0	1.8–2.5	< 0.2	≤ 0.05	≤ 0.05	V ≤ 0.2 N 0.7–1.0	Rest
1.007	Stainless steel	1.4460	≤ 0.05	≤ 1.0	≤ 2.0	25.0–28.0	1.3–2.0	4.5–6.5	≤ 0.035	≤ 0.3	N 0.05–0.20	Rest
1.008	Stainless steel	1.4541	≤ 0.08	≤ 1.0	≤ 2.0	17.0–19.0	–	9.0–12.0	≤ 0.045	≤ 0.3	Ti 5 x C bis 0.7	Rest
1.009	Stainless steel	1.4542	≤ 0.07	≤ 0.7	≤ 1.5	15.0–17.0	≤ 0.6	3.0–5.0	≤ 0.040	≤ 0.03	Cu 3.0–5.0 Nb 5 x C bis 0.45	Rest
1.010	Stainless steel	1.4435	≤ 0.03	≤ 1.0	≤ 2.0	17.0–19.0	2.5–3.0	12.5–15.0	≤ 0.045	≤ 0.025	N ≤ 0.11	Rest
1.011	Stainless steel	AISI 302	≤ 0.15	≤ 1.0	≤ 2.0	17.0–19.0	–	8.0–10.0	≤ 0.045	≤ 0.03	–	Rest
1.012	Stainless steel	AISI 302 B	≤ 0.15	2.0–3.0	≤ 2.0	17.0–19.0	–	8.0–10.0	≤ 0.045	≤ 0.03	–	Rest
1.013	Stainless steel	AISI 304	≤ 0.08	≤ 1.0	≤ 2.0	18.0–20.0	–	8.0–10.5	≤ 0.045	≤ 0.03	–	Rest
1.014	Stainless steel	1.3808	0.15–0.25	0.2–0.6	9.5–12.5	16.5–18.0	2.7–3.7	< 0.05	0.02	0.01	Cu 0.25 N 0.45–0.55	Rest
1.015	Stainless steel	1.4568	≤ 0.03	≤ 0.70	≤ 1.0	16.0–18.0	–	6.5–7.8	≤ 0.04	≤ 0.015	Al 0.70–1.50	Rest
1.016	Stainless steel	1.4197	0.20–0.26	≤ 1.0	≤ 2.0	12.5–14.0	1.1–1.5	0.75–1.50	≤ 0.04	0.15–0.35	–	Rest
1.017	Stainless steel	1.4034	0.43–0.50	≤ 1.0	≤ 1.0	12.5–14.5	–	–	≤ 0.04	≤ 0.03	–	Rest
1.018	Stainless steel	1.4571	≤ 0.08	≤ 1.0	≤ 2.0	16.5–18.5	2.0–2.5	10.5–13.5	≤ 0.045	≤ 0.03	Ti 5 x C bis 0.7	Rest
1.019	Stainless steel	1.4501	≤ 0.030	≤ 1.0	≤ 1.0	24.0–26.0	3.0–4.0	6.0–8.0	≤ 0.035	≤ 0.015	N 0.20–0.30 Cu 0.50–1.00 W 0.50–1.00	Rest

2. Copper and precious metal alloys

Composition in weight %

No.	Material		Ag	Cu	Ni	Pb	Zn	Fe	Mn	Sn	Sb	Al	Others
	Designation	Number (DIN)*											
2.000	Argentan	2.0770	–	45 – 48	9 – 11	0.5 – 2.0	38 – 45	≤ 0.05	≤ 0.5	≤ 0.3	–	–	≤ 0.1
2.001	Argentan	2.0780	–	56 – 58	11 – 13	0.3 – 1.5	26 – 33	≤ 0.05	≤ 0.5	≤ 0.3	–	–	≤ 0.1
2.002	Argentan	2.0790	–	59 – 63	17 – 19	0.3 – 1.5	Rest	≤ 0.03	≤ 0.7	–	–	–	≤ 0.4
2,100	Brass	2.0321	–	62.0 – 65.5	< 0.3	≤ 0.1	Rest	≤ 0.01	≤ 0.1	≤ 0.1	≤ 0.1	–	–
2.101	Brass	2.0360	–	59.0 – 62.0	< 0.3	≤ 0.1	Rest	≤ 0.01	≤ 0.1	≤ 0.1	≤ 0.1	–	–
2,200	Silver solder	2.5153 L-Ag75	74 – 76	Rest	–	≤ 0.02	2.0 – 4.0	–	–	–	–	≤ 0.005	≤ 0.1
2.201	Silver solder	2.5147 L-Ag44	43 – 45	29 – 31	–	≤ 0.02	Rest	–	–	–	–	≤ 0.005	≤ 0.1
2.202	Silver solder	2.5159 L-Ag55Sn	54 – 57	21 – 23	–	≤ 0.02	Rest	–	–	2.0 – 5.0	–	≤ 0.005	≤ 0.1
2.203	Silver solder	2.5151 L-Ag72	71 – 73	Rest	–	≤ 0.02	–	–	–	–	–	≤ 0.005	≤ 0.1
2.204	Silver solder	–	43 – 46	18 – 22	–	–	6 – 10	–	–	2.0 – 6.0	–	–	≤ 0.3
2.205	Silver solder	–	57 – 61	15 – 18	–	–	Rest	–	–	–	–	–	≤ 0.3
2.300	Gold solder	–	38.5 – 39.5	Rest	–	–	–	–	–	–	–	–	Au 33.0
2.301	Au-Pt alloy	–	16 – 17	8 – 10	–	–	–	–	–	–	–	–	Au 60 – 62 Pt 13 – 14

3. Non-precious metal alloys

Composition in weight %

No.	Material		Ni	Fe	Mn	Cr	Mo	W	Ti	Si	C	Co	Al	S	O	H	N	Others
	Designation	Number (DIN)*																
3.000	CoCr alloy	–	19–23	4–6	≤ 1.0	18–22	3–5	3–5	0.1–2.0	≤ 0.5	≤ 0.03	Rest	–	≤ 0.1	–	–	–	–
3.002	CoCr alloy	–	–	27–31	≤ 1.0	28–32	4–6	–	–	≤ 0.1	≤ 0.35	31–35	–	–	–	–	–	–
3.003	CoCr alloy	–	< 1.0	–	≤ 0.3	28–32	4–6	–	–	≤ 1.0	≤ 1.0	Rest	–	–	–	–	≤ 0.3	–
3.004	CoCr alloy	–	< 0.1	–	≤ 1.0	26–30	–	8–10	–	0.5–2.5	–	Rest	–	–	–	–	≤ 1.0	Nb < 1.0
3.005	CoCr alloy	–	15–16	Rest	1.5–2.0	19–21	6.5–7.5	–	–	≤ 1.2	≤ 0.15	39–41	–	≤ 0.015	–	–	–	P ≤ 0.015 Be ≤ 0.001
3.006	CoCr alloy	–	Rest	5.29	0.75	18.55	3.85	3.86	0.94	0.34	0.003	45.15	–	–	–	–	–	–
3.100	Titanium, grade 1 DIN EN ISO 5832-2**	3.7025	–	< 0.2	–	–	–	–	> 99.5	–	< 0.08	< 0.10	–	–	< 0.18	< 0.0125	< 0.03	–
3.101	Titanium, grade 4 DIN EN ISO 5832-2**	3.7065	–	< 0.5	–	–	–	–	> 99.0	–	< 0.08	< 0.10	–	–	< 0.40	< 0.0125	< 0.05	–
3.102	TiAl64V Titanium, grade 5 DIN EN ISO 5832-3**	3.7165	–	< 0.3	–	–	–	–	90.0	–	< 0.08	< 0.10	6.0	–	< 0.20	< 0.0150	< 0.05	V 4.0
3.103	TiMo alloy	–	–	–	–	–	11.5	–	78	–	–	–	–	–	–	–	–	Zr ≤ 6 Sn ≤ 4.5
3.104	Titanium, grade 2 DIN EN ISO 5832-2**	3.7035	–	< 0.3	–	–	–	–	> 99.3	–	< 0.08	< 0.10	–	–	< 0.25	< 0.0125	< 0.03	–
3.200	NiTi alloy	–	50–60	≤ 0.5	–	–	–	–	Rest	–	≤ 0.1	–	≤ 0.1	–	≤ 0.1	≤ 0.01	≤ 0.01	–
3.201	NiTiCu alloy	–	50–60	≤ 0.5	–	–	–	–	Rest	–	≤ 0.1	–	≤ 0.1	–	≤ 0.1	≤ 0.017	≤ 0.01	Cu < 1.0
3.202	NiTi alloy	–	54.5–57	< 0.005	–	< 0.005	–	–	Rest	–	< 0.0029	< 0.005	–	–	<0.05	<0.005	<0.002	Cu < 0.005 Nb < 0.005
3.203	NiTi alloy	–	35–60	0–6	–	–	–	–	20–50	–	–	–	–	–	–	–	–	Cu 0–15 Hf 0–40 V 0–10 Nb 0–20 B 0–1
3.300	NiCoCrMo alloy	MP35N®	33–37	≤ 1	≤ 0.15	19–21	9–10.5	–	≤ 1	≤ 0.15	≤ 0.025	Rest	–	≤ 0.01	–	–	–	P ≤ 0.015 B ≤ 0.015

* Steels with foreign standards which correspond to the DIN material numbers are also acceptable.

** normative changes, material remains the same

4. Plastics

No.	Material	
	Designation	Symbol (DIN)*
4.000	Epoxide	EP
4.001	Polyamide	PA
4.002	Polycarbonate	PC
4.003	High-density polyethylene	PE-HD
4.004	Low-density polyethylene	PE-LD
4.005	Polymethylmethacrylate	PMMA
4.006	Polypropylene	PP
4.007	Polystyrene	PS
4.008	Polytetrafluorethylene	PTFE
4.009	Polyurethane	PUR
4.010	Polyvinylchloride	PVC
4.011	Polyvinylsiloxane	
4.100	Acrylonitrile butadiene styrene	ABS
4.101	Ethylene / vinyl acetate	EVA
4.102	Polyethylene terephthalate G Copolyester	PET-G
4.200	Synthetic isoprene rubber	IR
4.201	Natural rubber	NR
4.202	Silicone rubber	Q
4.203	Silicone	SI

5. Ceramic materials

Composition in weight %

No.	Material					
	Designation	Number (DIN)*	Al_2O_3	ZnO	MgO	Other
5:000	Aluminum oxide	–	99.99	–	–	≤ 0.01
5.001	Band cement	–	–	80–86	6–10	≤ 10

Alloy elements

Ag	Silver	**O**	Oxygen
Al	Aluminum	**P**	Phosphorus
Au	Gold	**Pb**	Lead
Be	Beryllium	**Pt**	Platinum
C	Carbon	**Rh**	Rhodium
Cr	Chromium	**S**	Sulphur
Cu	Copper	**Sb**	Antimony
Co	Cobalt	**Si**	Silicon
Fe	Iron	**Sn**	Tin
H	Hydrogen	**Ti**	Titan
Mn	Manganese	**V**	Vanadium
Mo	Molybdenum	**W**	Tungsten
N	Nitrogen	**Zn**	Zinc
Nb	Niobium	**Zr**	Zirconia
Ni	Nickel		

Note: The materials listed in tables 1– 4 enable easy identification of chemical compositions.
Not all of the listed materials are used by Dentaurum. You can find the most recent materials list at www.dentaurum.com

Date: 09/2026