

Knobs & Handles

Spherical Knobs

Made of bakelite, black or red with threaded socket without insert



OD Ø	Thread	P/N black	P/N red
12	M 4	1001	
16	M 4	1002	1087
18	M 5	1003	1088
20	M 5	1004	
22	M 6	1005	1089
25	M 6	1006	
28	M 8	1007	1090
30	M 8	1008	1091
36	M 6	1009	
36	M10	1010	1092
40	M10	1011	1093
45	M10	1012	
45	M12	1013	1094
50	M12	1014	
56	M12	1015	

Made of bakelite, black or red with threaded socket with insert



OD Ø	Thread	P/N black	P/N red
16	M 4	1016	
18	M 5	1017	
20	M 5	1018	
22	M 6	1019	1095
25	M 6	1020	
28	M 8	1021	1096
30	M 8	1022	
36	M10	1023	1097
40	M10	1024	
45	M10	1025	
45	M12	1026	1098
50	M12	1027	
56	M12	1028	

Made of bakelite, black or red with threaded stud



OD Ø	Thread x length	P/N black
16	M 4x 8	1029
18	M 5x 9	1030
22	M 6x10	1031
28	M 8x14	1032
30	M 8x14	1033
36	M10x18	1034
40	M10x18	1035
45	M10x18	1036
45	M12x25	1037
56	M12x25	1038

Made of thermoplastic, to fit with hammer-stroke



OD Ø	Hole Ø	P/N black
22	8	1039
28	10	1040
30	10	1041
30	12	1042
40	12	1044
40	14	1045
45	16	1046

Also see pages 270-273 for other types of available knobs, such as:



"Soft touch"



with transparent cap for self adhesive label



Choice of colour caps

Mushroom-shaped Knobs

Made of bakelite, black with threaded socket without insert



OD Ø	Thread	P/N
17	M4	1101
21	M5	1102
25	M6	1103
29	M6	1104
33	M8	1105

Made of bakelite, black with insert
Stainless steel on request



OD Ø	Thread	P/N
17	M4	1106
17	M5	1107
21	M5	1108
21	M6	1109
25	M6	1110
29	M8	1111
33	M8	1112
45	M6	1113

Made of bakelite, black with threaded stud
Stainless steel on request



OD Ø	Thread x length	P/N
17	M4x 8	1114
21	M5x 9	1115
21	M6x10	1116
25	M6x10	1117
33	M8x14	1118

Made of bakelite, black with threaded socket without insert



Ø	Thread	P/N
32	M 8	3101
45	M10	3102
52	M12	3103

Made of bakelite, black with through hole



Ø	Hole Ø	P/N
32	5.5	3104

Made of bakelite, black with blind hole



Ø	Hole Ø	P/N
52	10	3105

Made of bakelite, black without insert



Ø	Thread	P/N
37.5	M10	4601

All dimensions are in mm
All dimensions are subject to change without notice

Stirrup Handles



Made of PA.6, anthracite grey

Type a - with threaded socket

Type b - with continuous bore holes

Length	Distance between holes	Type a		Type b	
		Ø	P/N	Ø	P/N
123.5	106.5	M6	6301	6.4mm	6304
162.2	145.2	M6	6302	6.4mm	6305
201.0	184.0	M8	6303	6.4mm	6306

Ledge Handles



Made of reinforced polyamide 6

Length	Distance between holes	bore	
		Ø	P/N
84	64	3.7	1243



Made of aluminium profile

Length	Distance between holes	Ø	
		bore	P/N
60	45	M4	1244
85	85	M4	1245
105	90	M4	1246
120	105	M4	1247
65	64	M4	1248
84	64	M4	1249
90	70	M4	1250
100	80	M4	1251
110	90	M4	1252
84	64	M6	1253
90	70	M6	1254
100	80	M6	1255
110	90	M6	1256

Bow-type Handles



Made of bakelite, black

with threaded sockets without inserts

Length	Distance between holes	Thread	
		Ø	P/N
112	85	M6	1204
148	125	M6	1205
186	160	M6	1206



Made of Polyamide 6, black

with threaded inserts

Length	Distance between holes	Thread	
		Ø	P/N
130	110	M6	1213



Made of ABS

Acrylonitrile Butadien Styrene, black, with threaded inserts

Length	Distance between holes	Thread	
		Ø	P/N
146	130	M5	1214



Made of thermoplastic, black with through threaded holes

Length	Distance between holes	Thread	
		Ø	P/N
120	94	6.5mm	1220
145	117	8.5mm	1221
163	132	8.5mm	1222
213	180	8.5mm	1223

Made of thermoplastic, black with threaded inserts

Length	Distance between holes	Thread	
		Ø	P/N
120	94	M6	1230
145	117	M8	1231
163	132	M8	1232
213	180	M8	1233

See also pages 270 & 272 for other industrial handles, such as:

with a choice of colour caps



304 fine ground stainless steel



Aluminium tube with epoxy resin based coating



Choice of 7 colours



Clean room

All dimensions are in mm.

All dimensions are subject to change without notice.

Handles

Made of PVC, black with blind hole



Length	Hole Ø	P/N
117	27	1421

Made of thermoplastic, black with threaded bolt



Length	Thread x length	P/N
147	M12x20	1422

Gauge Handles

Made of bakelite, black with through hole



Length	Hole Ø	P/N
50	4	3501
85	12	3504
90	17	3507

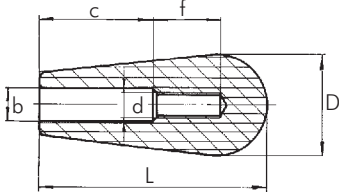
- a) with threaded socket on one side
- b) with threaded socket on both sides



Length	Thread	P/N a	P/N b
122	M10	3505	
133	M10		3506

Tapered Handles

Made of bakelite, black with threaded socket without insert



L	D	b	d	c	f	P/N
58	25	8	M 6	29	14	4301
70	30	10	M 8	35	17	4302
81	35	12	M10	41	22	4303

Extended Operating Handles

Made of bakelite, black with threaded socket without insert



Length	Thread	P/N
50	M 6	4401
60	M 8	4402
75	M10	4403
90	M12	4404
100	M14	4405

Gearshift Knobs

Made of bakelite, black without insert



OD Ø	thread	P/N
20	M 5	9301
20	M 6	9302
25	M 6	9303
25	M 8	9304
30	M 8	9305
30	M10	9306
35	M 8	9307
35	M10	9308
35	M12	9309

See pgs 270-3 for:



"Clean Room" knobs



"soft Touch"



Counterweight balanced crank handles

Suspended Handles

- a) Made of thermoplastic, black, with threaded stud
- b) Made of thermoplastic, grey



	Width	Height	Thread x length	P/N
Type a	110	88	M6x7	9701
Type b	110	106		9702

Titling Handle

Made of bakelite, black with insert



Length	Thread	P/N
85	M6	1423

Crank Handles

Made of thermoplastic, black with galvanized steel hub with rotatable machine handle



Length	Height	Hole Ø	P/N
103	100	10	4004
103	100	12	4005
103	100	14	4006
124	101	10	4001
124	101	12	4002
124	101	14	4003

All dimensions are in mm.
All dimensions are subject to change without notice.

Tapered Handles

Made of bakelite, black fixed type with threaded stud



Length	Thread x length	P/N
38	M4x 8	1406
38	M5x 8	1407
50	M6x 9	1408
60	M5x 8	1409
70	M6x 9	1410
80	M6x 9	1411
80	M8x12	1412
90	M8x12	1413

Made of thermoplastic, black fixed type with threaded stud



Length	Thread x length	P/N
50	M6x9	1417
67	M6x9	1418

Made of bakelite, black rotatable type with threaded stud



Length	Thread x length	P/N
73	M 8x16	1414
89	M10x20	1415
120	M10x25	1425
120	M12x25	1426

Machine Handles

Made of bakelite, black fixed type with threaded stud



Length	Thread x length	P/N
68	M 8x12	2201
64	M 8x13	2210
81	M10x20	2203
81	M12x25	2204

Made of bakelite, black rotatable type with threaded stud



Length	Thread x length	P/N
46	M 6x14	2305
58	M 8x16	2301
68	M10x20	2302
86	M10x25	2303
86	M12x25	2304

See also page 273 for other handles & crank handles, such as:



Clamping Levers

Made of die aluminium with ratchet mechanism with threaded insert



Length	Thread	P/N
47	M 4	9408
47	M 5	9409
70	M 6	9410
70	M 8	9411
94	M10	9412
94	M12	9413
112	M14	9414

Made of die cast aluminium with ratchet mechanism with threaded stud



Length	Thread x length	P/N
60	M 6x20	9415
60	M 8x20	9416
60	M 8x30	9417
80	M10x20	9418

Made of blackend steel with ratchet mechanism with threaded insert



Length	Thread	P/N
60	M 6	9419
70	M 8	9420
77	M10	9421
108	M12	9422
108	M14	9423

All dimensions are in mm.
All dimensions are subject to change without notice.

Clamping Levers

Made of thermoplastic, black, with ratchet mechanism, with gal. threaded stud (see righthand table), or with insert (see below).

Available as:

- a) Black - most sizes standard stock items
- b) Orange
- c) Anthracite grey (new style)
- d) Reinforced black thermoplastic

*Minimum purchase qty 100 pcs.



Length	Thread x length	a black P/N	b orange P/N	c new P/N	d* new P/N
45	M 4x10	9510	9533	6910	
45	M 4x15	9511	9534	6911	
45	M 4x20	9512	9535	6912	
45	M 5x12	9513	9536	6913	
45	M 5x16	9514	9537	6914	
45	M 5x20	9515	9538	6915	
45	M 5x25	9516	9539	6916	
45	M 6x12	9518	9541	6918	
45	M 6x16	9519	9542	6919	
45	M 6x20	9520	9543	6920	
45	M 6x25	9521	9544	6921	
45	M 6x32	9522	9545	6922	
45	M 6x40	9523	9546	6923	
49	M 6x20				9606
49	M 6x32				9607
60	M 4x10	9442	9557	6942	
60	M 4x15	9431	9558	6931	
60	M 4x20	9433	9559	6933	
60	M 5x12	9443	9560	6943	
60	M 5x15	9432	9561	6932	
60	M 5x20	9434	9562	6934	
60	M 5x25	9445	9563	6945	
60	M 6x10	9446	9564	6946	
60	M 6x12	9447	9565	6947	
60	M 6x16	9448	9566	6948	
60	M 6x20	9440	9567	6940	
60	M 6x25	9449	9568	6949	
60	M 6x32	9484	9569	6984	
60	M 6x40	9485	9570	6985	
60	M 6x50	9486	9571	6986	
74	M 8x16				9608
74	M 8x20				9609
74	M 8x25				9610
74	M 8x32				9611
74	M 8x40	9612			
74	M 8x63	9613			
80	M 6x20	9424	9572	6924	
80	M 6x25	9435	9573	6935	
80	M 8x10	9487	9574	6987	
80	M 8x12	9488	9575	6988	
80	M 8x16	9489	9576	6989	
80	M 8x20	9425	9577	6925	
80	M 8x25	9436	9578	6936	
80	M 8x30	9426	9579	6926	
80	M 8x40	9491	9580	6991	
80	M 8x50	9492	9581	6992	
80	M 8x63	9493	9582	6993	
89	M10x25				9614
89	M10x32				9615
100	M10x16	9494	9583	6994	
100	M10x20	9495	9584	6995	
100	M10x25	9427	9585	6927	
100	M10x30	9437	9586	6937	
100	M10x40	9497	9587	6997	
100	M10x50	9438	9588	6938	
100	M10x63	9498	9590	6998	
100	M12x20	9453	9591	6953	
100	M12x25	9454	9592	6954	
100	M12x30	9428	9593	6928	
100	M12x40	9439	9594	6939	
100	M12x50	9456	9595	6956	
100	M12x60	9457	9596	6957	

Length	Threaded insert	a black P/N	b orange P/N	c new P/N	d* new P/N
45	M 4	9466	9530	6966	
45	M 5	9467	9531	6967	
45	M 6	9468	9532	6968	
49	M 5				9601
49	M 6				9602
60	M 4	9429	9550	6929	
60	M 5	9430	9551	6930	
60	M 6	9441	9552	6941	
65	M 8				9603
78	M10				9604
80	M 6	9404	9553	6904	
80	M 8	9405	9554	6905	
92	M12				9605
100	M10	9406	9555	6906	
100	M12	9407	9556	6907	

All dimensions are in mm.
All dimensions are subject to change without notice.

Knurled Screws

Made of bakelite, black with gal. threaded stud
Stainless steel on request



OD Ø	Thread x length	P/N
18	M 4x15	2701
18	M 4x20	2702
20	M 5x10	2703
20	M 5x18	2704
20	M 5x25	2705
24	M 5x10	2706
24	M 6x20	2707
24	M 6x28	2708
30	M 6x10	2709
30	M 6x20	2710
30	M 6x28	2711
30	M 8x25	2712
30	M 8x32	2713
35	M 8x12	2714
35	M 8x25	2715
35	M10x30	2716



Knurled Nuts

Threaded through hole, with brass nickle plated insert
Stainless steel on request



OD Ø	Thread	P/N
18	M 4	2604
20	M 5	2605
24	M 5	2606
24	M 6	2607
30	M 6	2608
30	M 8	2609
35	M 7	2610
35	M 8	2611
35	M10	2612



Grooved Screws

Made of PA.6, anthracite grey with threaded stud
Stainless steel on request



OD Ø	Thread x length	P/N
20	M 4x15	6601
20	M 4x20	6602
20	M 5x10	6603
20	M 5x18	6604
20	M 5x25	6605
25	M 5x10	6610
25	M 6x10	6611
25	M 6x20	6612
25	M 6x28	6613
30	M 6x10	6620
30	M 6x20	6621
30	M 6x28	6622
30	M 8x25	6624
30	M 8x32	6625
35	M 8x12	6630
35	M 8x25	6631
35	M10x30	6632

Lock Nuts

Made of PA.6, anthracite grey with threaded socket



OD Ø	Thread	P/N
30	M 5	6505.02
30	M 6	6506.02
30	M 8	6508.02

Grooved Nuts



Made of PA 6 anthracite grey
With threaded socket

OD Ø	Thread	P/N
20	M 4	6501
20	M 5	6502
25	M 5	6503
25	M 6	6504
30	M 5	6505
30	M 6	6506
30	M 8	6507
35	M 8	6508
35	M10	6509

Star Grips

Made of bakelite, black or reinforced material with threaded brass insert
Stainless steel on request



OD Ø	Thread	P/N	P/N reinforced
40	M 6	1500	1582
40	M 8	1501	1586
50	M 8	1502	1587
60	M10	1503	1588
60	M12	1504	1589

Made of bakelite, black or reinforced material with galvanized threaded stud
Stainless steel on request



OD Ø	Thread x length	P/N	P/N reinforced
40	M 6x10	1555	
40	M 6x20	1556	
40	M 6x32	1557	
40	M 8x14	1505	1590
40	M 8x25	1559	
40	M 8x35	1560	
50	M 8x14	1506	1591
50	M 8x25	1561	
50	M 8x35	1562	
60	M10x18	1507	1592
60	M10x30	1563	
60	M10x40	1564	
60	M12x25	1508	1593
60	M12x30	1565	
60	M12x40	1566	

Made of bakelite, black or reinforced material with blind hole



OD Ø	Hole Ø	P/N	P/N reinforced
40	10	1509	1594
50	10	1510	1595
60	12	1511	1596

All dimensions are in mm.
All dimensions are subject to change without notice.

Star Grips

Made of bakelite or reinforced material, black with "D" shaped hole and screw



OD Ø	Hole	P/N	P/N reinforced
40	10	1512	1583
50	10	1513	1584
60	12	1514	1585

Made of bakelite, black with insert and clean cut hole



OD Ø	Hole	P/N
40	5	1515
50	5	1516
60	6	1517

Made of thermoplastic, black
a) with insert
b) with threaded stud
Stainless steel on request



OD Ø	a Thread	b Thread x length	P/N
50	M8		1519
50		M8x14	1520

Made of thermoplastic, black
a) with blind hole
b) with insert and clean cut hole
Stainless steel on request



OD Ø	Hole Ø	P/N
a) 50	10	1518
b) 50	10	1521

Made of bakelite, black square hole
a) with insert
b) without insert



OD Ø	Square hole with insert	P/N
50	6x6	3410
63	7x7	3411
80	8x8	3412
100	9x9	3413



OD Ø	Square hole without insert	P/N
50	6x6	3420
50	7x7	3421
63	6x6	3422
63	7x7	3423
80	8x8	3424
80	9x9	3425

Made of thermoplastic, black
a) with brass threaded insert
b) with threaded stud
Stainless steel on request



OD Ø	Thread	P/N
40	M6	4501
40	M8	4502



OD Ø	Thread x length	P/N
40	M6x16	4503
40	M8x20	4504
40	M8x25	4505
40	M8x35	4506

Made of bakelite, black
a) with threaded insert
b) with threaded stud
Stainless steel on request



OD Ø	Thread	P/N
40	M 8	4701
50	M 8	4702
60	M10	4703
75	M12	4704



OD Ø	Thread x length	P/N
40	M 8x14	4705
50	M 8x14	4706
60	M10x18	4707
75	M12x25	4708

See pages 268 & 271
for other versions
of star grips, such as:



Polished aluminium



"Clean Room"



Certified Self Extinguishing
or
"Soft Touch" elastomer

All dimensions are in mm.
All dimensions are subject to change without notice.

Star Grips

Made of thermoplastic, black
through hole with threaded insert
Stainless steel on request



Ø	Thread	P/N
40	M4	3601
40	M5	3610
40	M6	3602
40	M8	3603

Made of thermoplastic, black
with threaded stud
Stainless steel on request



Ø	Thread x length	P/N
40	M5x18	3604
40	M6x12	3605
40	M6x20	3606
40	M8x16	3607
40	M8x20	3608
40	M8x25	3609

Star Handles

According to DIN 6335
Made of bakelite, black
with gal. steel threaded insert
Stainless steel on request



Ø	Thread	P/N
32	M 6	4801
40	M 8	4802
50	M10	4803
63	M12	4804
80	M16	4805

Scallop Handwheels

Made of PA.6, black
with threaded insert



Ø	Thread	P/N
28	M 5	5501
40	M 6	5502
50	M 8	5503
60	M10	5504

Made of PA.6, black
through hole with threaded insert



Ø	Thread	P/N
28	M 5	5519
40	M 6	5520
50	M 8	5521
60	M10	5522

Made of PA.6, black
with threaded stud



Ø	Thread x length	P/N
28	M 5x10	5505
28	M 5x15	5506
28	M 5x20	5507
40	M 6x15	5508
40	M 6x20	5509
40	M 6x25	5510
40	M 6x35	5511
50	M 8x20	5512
50	M 8x25	5513
50	M 8x35	5514
50	M 8x40	5515
60	M10x20	5516
60	M10x30	5517
60	M10x40	5518

Star Handwheels

Made of PA.6, black
with threaded insert



Ø	Thread	P/N
28	M 5	5601
40	M 6	5602
50	M 8	5603
60	M10	5604

Made of PA.6, black
with threaded stud



Ø	Thread x length	P/N
28	M 5x10	5605
28	M 5x15	5606
28	M 5x20	5607
40	M 6x15	5608
40	M 6x20	5609
40	M 6x25	5610
40	M 6x35	5611
50	M 8x20	5612
50	M 8x25	5613
50	M 8x35	5614
50	M 8x40	5615
60	M10x20	5616
60	M10x30	5617
60	M10x40	5618

Made of PA.6, black
through hole with
threaded insert



Ø	Thread	P/N
28	M 5	5619
40	M 6	5620
50	M 8	5621
60	M10	5622

All dimensions are in mm.
All dimensions are subject to change without notice.

Wing Nuts

Made of PA.6, black
a) with threaded insert
b) through hole with threaded insert



OD Ø	Thread	a P/N	b P/N
28	M 5	5301	5319
40	M 6	5302	5320
50	M 8	5303	5321
60	M10	5304	5322

Wing Screws

Made of PA.6, black
with threaded stud



OD Ø	Thread x length	P/N
28	M 5x10	5305
28	M 5x15	5306
28	M 5x20	5307
40	M 6x15	5308
40	M 6x20	5309
40	M 6x25	5310
40	M 6x35	5311
50	M 8x20	5312
50	M 8x25	5313
50	M 8x35	5314
50	M 8x40	5315
60	M10x20	5316
60	M10x30	5317
60	M10x40	5318

Wing Nuts

Made of PA.6,
anthracite grey
with threaded socket



OD Ø	Thread	P/N
35	M 4	7000
35	M 5	7001
50	M 5	7010
50	M 6	7011
50	M 8	7012
70	M 8	7020
70	M10	7021

Wing Screws

Made of PA.6,
anthracite grey
with threaded stud
Stainless steel on request



OD Ø	Thread x length	P/N
35	M 4x15	7002
35	M 5x18	7003
35	M 4x10	7004
35	M 4x20	7005
35	M 5x10	7006
35	M 5x25	7007
50	M 5x18	7013
50	M 6x10	7014
50	M 8x14	7015
50	M 5x10	7016
50	M 5x25	7017
50	M 6x20	7018
50	M 6x32	7019
50	M 8x20	7030
50	M 8x30	7031
50	M 8x40	7032
70	M 8x14	7022
70	M10x18	7023
70	M 8x20	7024
70	M 8x30	7025
70	M 8x40	7026
70	M10x25	7027
70	M10x40	7029

Tristar Handwheels

Made of PA.6, black
a) with threaded insert
b) through hole with threaded insert



OD Ø	Thread	a P/N	b P/N
28	M 5	5401	5419
40	M 6	5402	5420
50	M 8	5403	5421
60	M10	5404	5422

Made of PA.6, black
with threaded stud



OD Ø	Thread x length	P/N
28	M 5x10	5405
28	M 5x15	5406
28	M 5x20	5407
40	M 6x15	5408
40	M 6x20	5409
40	M 6x25	5410
40	M 6x35	5411
50	M 8x20	5412
50	M 8x25	5413
50	M 8x35	5414
50	M 8x40	5415
60	M10x20	5416
60	M10x30	5417
60	M10x40	5418

Star-shaped Handles

Made of PA.6,
anthracite grey
with threaded socket



OD Ø	Thread	P/N
40	M 6	6401
40	M 8	6402
50	M 8	6405
50	M10	6406
60	M10	6409
60	M12	6410

Made of PA.6,
anthracite grey
with threaded stud



OD Ø	Thread x length	P/N
40	M 6x10	6403
40	M 6x20	6413
40	M 6x32	6414
40	M 8x14	6404
40	M 8x25	6415
40	M 8x35	6416
50	M 8x14	6407
50	M 8x25	6417
50	M 8x30	6418
50	M 8x40	6419
50	M10x18	6408
50	M10x30	6420
50	M10x40	6421
60	M10x18	6411
60	M10x30	6422
60	M10x40	6423
60	M12x25	6412
60	M12x30	6424
60	M12x40	6425

All dimensions are in mm.
All dimensions are subject to change without notice.

Star-shaped Wheels

Made of bakelite or reinforced material,
black with gal. steel hub
without handle



OD Ø	Hole Ø	P/N	P/N reinforced
80	10	1601	1690
80	12	1602	1691
80	14	1603	1692
100	10	1604	1693
100	12	1605	1694
100	14	1606	1695
125	10	1607	1696
125	12	1608	1697
125	14	1609	1698

Made of bakelite or reinforced material,
black with gal. steel hub,
with rotatable handle type a) or b)



OD Ø	Hole Ø	a P/N	a P/N reinforced	b P/N
80	10	1801	1890	2801
80	12	1802	1891	2802
80	14	1803	1892	2803
100	10	1804	1893	2804
100	12	1805	1894	2805
100	14	1806	1895	2806
125	10	1807	1896	2807
125	12	1808	1897	2808
125	14	1809	1898	2809

Crown Wheels

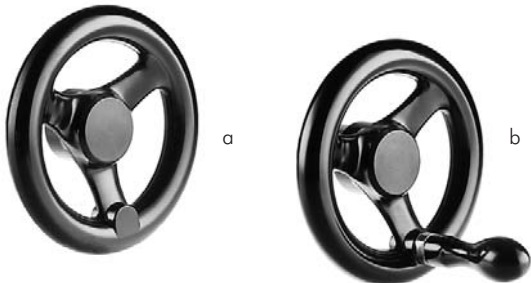
Made of PA.6, anthracite grey
with galvanized steel hub &
clean cut hole



OD Ø	Hole Ø.	P/N
80	10	6801
80	12	6802
80	14	6803
100	10	6804
100	12	6805
100	14	6806
125	10	6807
125	12	6808
125	14	6809
160	12	6810
160	14	6811
160	16	6812
160	18	6813
160	20	6814

Spoke Wheels

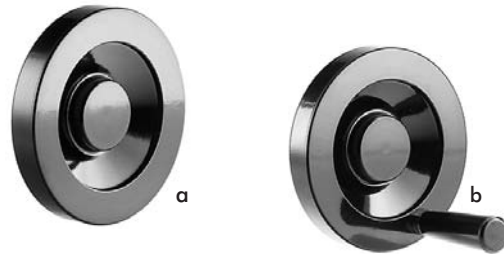
Made of bakelite
black with gal. steel hub
a) without handle b) with rotatable machine handle



OD Ø	Hole Ø	a P/N	b P/N
100	10	1901	2101
100	12	1902	2102
100	14	1903	2103
125	10	1904	2104
125	12	1905	2105
125	14	1906	2106
160	10	1907	2107
160	12	1908	2108
160	14	1909	2109
160	15	1910	2110
160	16	1911	2111
160	18	1912	2112
160	20	1913	2113
200	16	1914	2114
200	18	1915	2115
200	20	1916	2116
250	18	1917	2117
250	20	1918	2118
250	25	1919	2119
315	25	1920	2120
315	28	1921	2121
315	32	1922	2122

Disk Wheels

Made of bakelite
black with gal. steel hub
a) without handle or b) with rotatable handle



OD Ø	Hole Ø	a P/N	b P/N
80	10	9817	9917
80	12	9818	9918
80	14	9819	9919
100	10	9801	9901
100	12	9802	9902
100	14	9803	9903
125	10	9804	9904
125	12	9805	9905
125	14	9806	9906
160	12	9807	9907
160	14	9808	9908
160	16	9809	9909
160	18	9810	9910
160	20	9811	9911
200	16	9812	9912
200	18	9813	9913
200	20	9814	9914
250	20	9815	9915
250	25	9816	9916

All dimensions are in mm.
All dimensions are subject to change without notice.

See page 266 for aluminium Spoke & Disk wheels.
See page 270 - 271 for other types of hand wheels
including safety foldaway handle type.



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