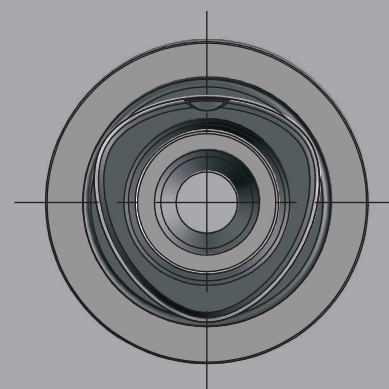
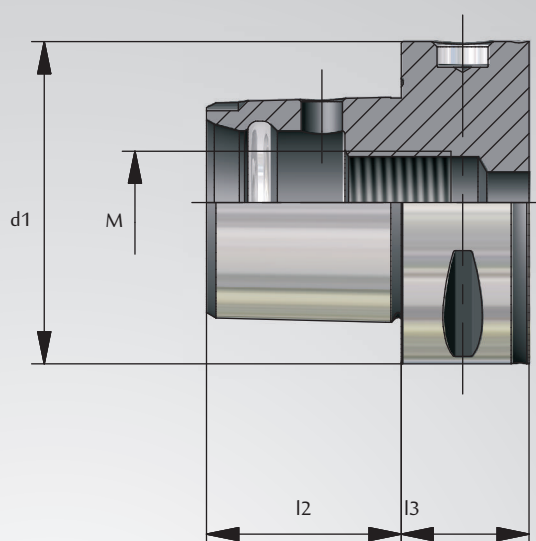


TOOL HOLDERS

WITH POLYGONAL SHANK CORUM C₄, C₅, C₆, C₈



POLYGONAL SHANK CORUM

C	d ₁	l ₂	l ₃	M
4	40	24	20	M14x1,5
5	50	30	20	M16x1,5
6	63	38	22	M20x2
8	80	48	30	M20x2

Collet chuck ER

Application: For clamping tools with cylindrical shank in collets ER

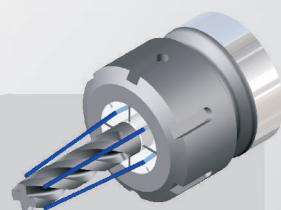
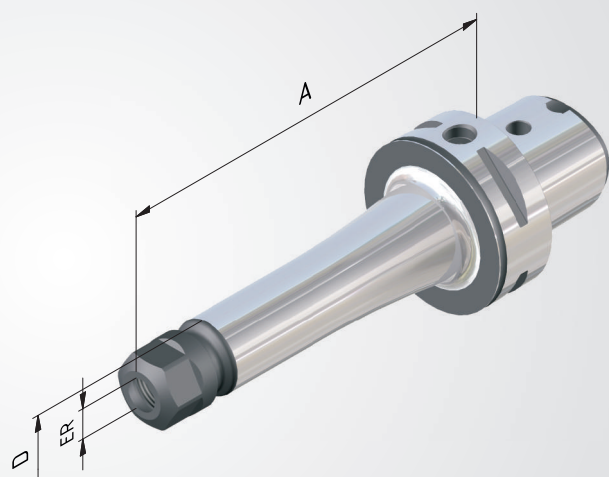
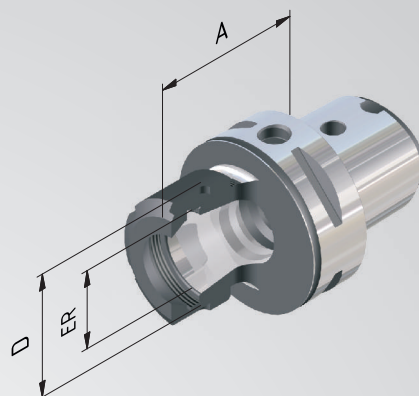
Technical Design: Runout of outer taper to inner taper $\leq 0,003$ mm. Due to adjusted taper tolerances of the ER-Inner taper and the collet taper max. runout of $\leq 8\mu$ at $2,5 \times D$.

Includes: Clamping nut.

Accessories: See page 130.



Fine balanced
G 2,5 at 25.000^{min}1
or max. residual imbalance
 ≤ 1 gmm



Sealed versions see
pages 132,133.

Order No.	C	ER	A	D
SHORT				
304002-01	4	16	70	28
304002-02	4	25	55	42
304002-03	4	32	55	50
SHORT				
305002-01	5	16	55	28
305002-02	5	25	55	42
305002-03	5	32	60	50
SHORT				
306302-01	6	16	60	28
306302-02	6	25	60	42
306302-03	6	32	60	50
306302-04	6	40	65	63
= 100				
306302-31	6	16	100	28
306302-32	6	25	100	42
306302-33	6	32	100	50
306302-34	6	40	100	63
= 130				
306302-52	6	25	130	42
306302-53	6	32	130	50
= 160				
306302-61	6	16	160	28
306302-62	6	25	160	42
306302-63	6	32	160	50
SHORT				
308002-01	8	16	65	28
308002-02	8	25	70	42
308002-03	8	32	70	50
308002-04	8	40	70	63

Collet chuck ER »Mini«

Application: For clamping tools with cylindrical shank in collets ER.

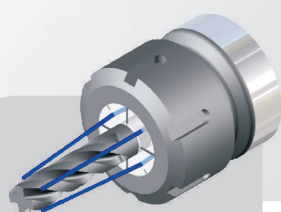
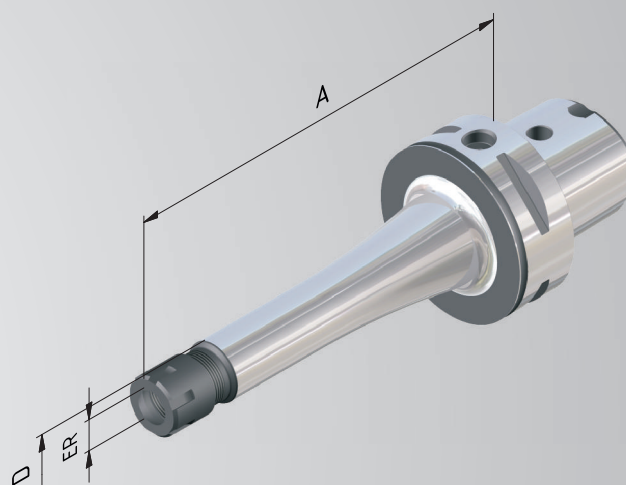
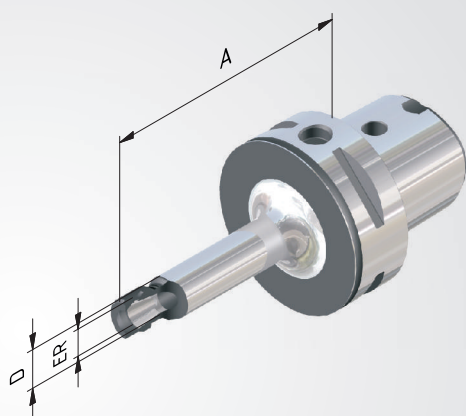
Technical Design: Runout of outer taper to inner taper $\leq 0,003$ mm. Due to adjusted taper tolerances of the ER-Inner taper and the collet taper max. runout of $\leq 8\mu$ at $2,5 \times D$.

Includes: Clamping nut.

Accessories: See page 130.



Fine balanced
 $G 2,5$ at 25.000^{min}
 or max. residual imbalance
 ≤ 1 gmm



Sealed versions see
 pages 132, 133.

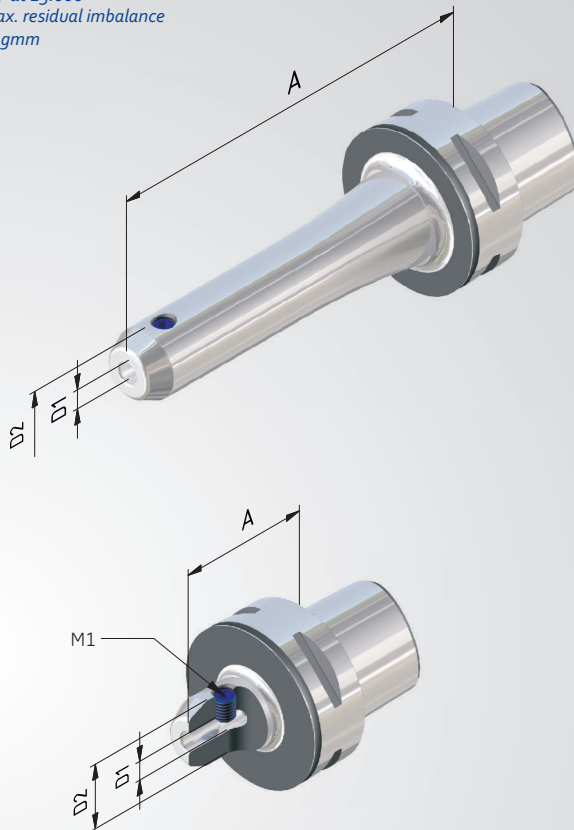
Order No.	C	ER	A = 100	D
306302-21	6	11	100	16
306302-22	6	16	100	22
			= 160	
306302-23	6	11	160	16
306302-24	6	16	160	22

Endmill holder Weldon

- Application:** For clamping tools with cylindrical shank according to DIN 1835B/6359HB.
- Technical Design:** Runout of outer taper to $D_1 \leq 0,003$ mm. Tolerance of bore H4 (more accurate as DIN).
- Includes:** Clamping screw.
- Accessories:** See page 134.



Fine balanced
 $G_{2,5}$ at 25.000^{min-1}
or max. residual imbalance
 ≤ 1 gmm

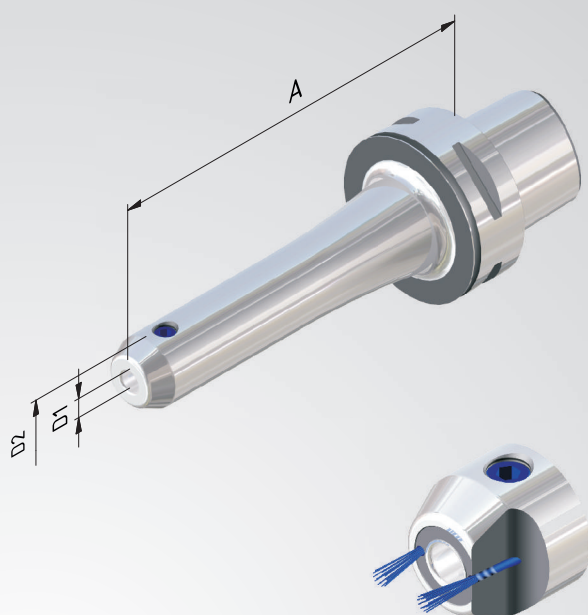


Order No.	C	D1	A	D2	M
SHORT					
304004-01	4	6	50	25	M6
304004-02	4	8	50	28	M8
304004-03	4	10	50	35	M10
304004-04	4	12	55	42	M12
304004-05	4	14	55	44	M12
304004-06	4	16	55	48	M14
SHORT					
305004-01	5	6	50	25	M6
305004-02	5	8	50	28	M8
305004-03	5	10	55	35	M10
305004-04	5	12	60	42	M12
305004-05	5	14	60	44	M12
305004-06	5	16	60	48	M14
305004-07	5	18	60	50	M14
305004-08	5	20	60	52	M16
305004-09	5	25	80	65	M18x2
SHORT					
306304-01	6	6	55	25	M6
306304-02	6	8	55	28	M8
306304-03	6	10	60	35	M10
306304-04	6	12	60	42	M12
306304-05	6	14	60	44	M12
306304-06	6	16	65	48	M14
306304-07	6	18	65	50	M14
306304-08	6	20	65	52	M16
306304-09	6	25	80	65	M18x2
306304-10	6	32	90	72	M20x2

Endmill holder Weldon



Fine balanced
G 2,5 at 25.000^{min} z
or max. residual imbalance
≤ 1 gmm



Order No.	C	D1	A	D2	M
Version »Cool Tool«					
3063041-01	6	6	55	25	M6
3063041-02	6	8	55	28	M8
3063041-03	6	10	60	35	M10
3063041-04	6	12	60	42	M12
3063041-05	6	14	60	44	M12
3063041-06	6	16	65	48	M14
3063041-07	6	18	65	50	M14
3063041-08	6	20	65	52	M16
3063041-09	6	25	80	65	M18x2
3063041-10	6	32	90	72	M20x2

= 100

306304-31	6	6	100	25	M6
306304-32	6	8	100	28	M8
306304-33	6	10	100	35	M10
306304-34	6	12	100	42	M12
306304-35	6	14	100	44	M12
306304-36	6	16	100	48	M14
306304-37	6	18	100	50	M14
306304-38	6	20	100	52	M16

Version »Cool Tool« = 100

3063041-31	6	6	100	25	M6
3063041-32	6	8	100	28	M8
3063041-33	6	10	100	35	M10
3063041-34	6	12	100	42	M12
3063041-36	6	16	100	48	M14
3063041-38	6	20	100	52	M16

= 130

306304-51	6	6	130	25	M6
306304-52	6	8	130	28	M8
306304-53	6	10	130	35	M10
306304-54	6	12	130	42	M12
306304-56	6	16	130	48	M14
306304-58	6	20	130	52	M16

KURZ

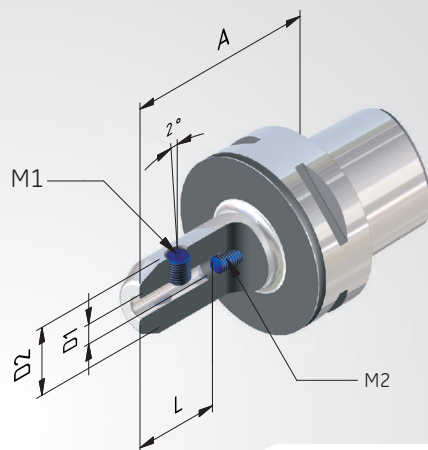
308004-01	8	6	70	25	M6
308004-02	8	8	70	28	M8
308004-03	8	10	70	35	M10
308004-04	8	12	70	42	M12
308004-05	8	14	70	44	M12
308004-06	8	16	70	48	M14
308004-07	8	18	70	50	M14
308004-08	8	20	70	52	M16
308004-09	8	25	80	65	M18x2
308004-10	8	32	80	72	M20x2

Endmill holder Whistle Notch

- Application:** For clamping tools with cylindrical shank according to DIN 1835E/6359HE.
- Technical Design:** Runout of outer taper to $D_1 \leq 0,003$ mm. Tolerance of bore H4 (more accurate as DIN).
- Includes:** Clamping screw and set screw.
- Accessories:** See page 135.



Balanced
G 6,3 at 8.000^{min-1}



Order No.	C	D	A SHORT	D2	L	M1	M2
306309-01	6	6	75	25	36,5	M6	M5
306309-02	6	8	75	28	36,5	M8	M6
306309-03	6	10	75	35	40,5	M10	M8
306309-04	6	12	80	42	45,5	M12	M10
306309-05	6	14	80	44	45,5	M12	M10
306309-06	6	16	80	49	48,5	M14	M12
306309-07	6	18	80	50	48,5	M14	M12
306309-08	6	20	85	52	50,5	M16	M16
306309-09	6	25	90	65	56,5	M18x2	M20
306309-10	6	32	95	72	60,5	M20x2	M20

Shrink fit holder 4,5°

Application: For clamping tools with cylindrical shank of solid carbide or HSS, tol. h6.

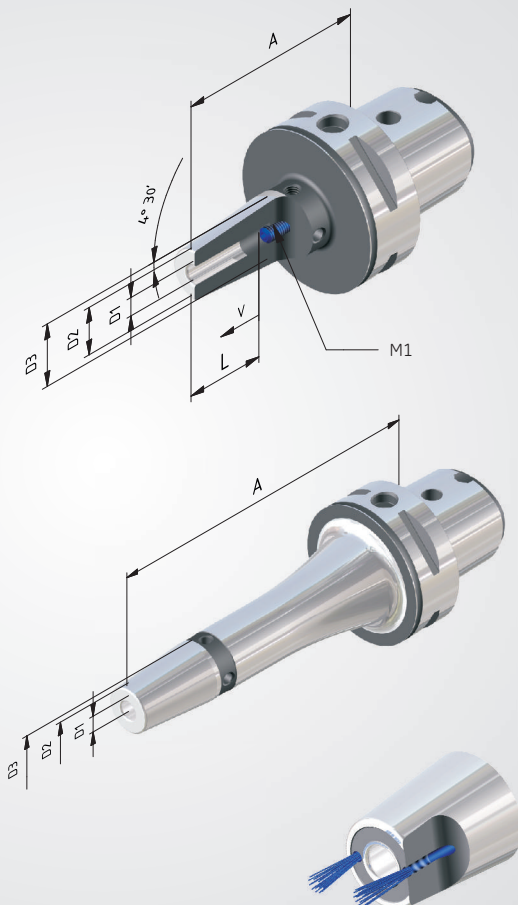
Technical Design: Made of special heat resistant steel. Suitable for inductive shrinking unit. With four additional threads for supplementary fine balancing. Runout of outer taper to $D_1 \leq 0,003$ mm.

Includes: Set screw.

Accessories: See page 134.



Fine balanced
 $G 2,5$ at 25.000^{min-1}
 or max. residual imbalance
 ≤ 1 gmm



Order No.	C	D1	A	D2	D3	V	L	M1
SHORT								
304021-01	4	6	75	21	27	10	36	M5
304021-02	4	8	75	12	17	10	36	M6
304021-03	4	10	75	12	17	10	42	M8x1
304021-04	4	12	75	21	27	10	47	M10x1
304021-05	4	14	80	21	27	10	47	M10x1
304021-06	4	16	80	24	32	10	50	M12x1
304021-07	4	18	80	24	32	10	50	M12x1
304021-08	4	20	85	27	34	10	52	M16x1

SHORT								
305021-01	5	6	75	21	27	10	36	M5
305021-02	5	8	75	21	27	10	36	M6
305021-03	5	10	75	24	32	10	42	M8x1
305021-04	5	12	75	24	32	10	47	M10x1
305021-05	5	14	80	27	34	10	47	M10x1
305021-06	5	16	80	27	34	10	50	M12x1
305021-07	5	18	80	33	42	10	50	M12x1
305021-08	5	20	85	33	42	10	52	M16x1
305021-09	5	25	90	44	53	10	58	M16x1

SHORT								
306321-13	6	3	80	12	17	-	-	-
306321-14	6	4	80	12	17	-	-	-
306321-15	6	5	80	12	17	-	-	-
306321-01	6	6	80	21	27	10	36	M5
306321-02	6	8	80	21	27	10	36	M6
306321-03	6	10	80	24	32	10	42	M8x1
306321-04	6	12	80	24	32	10	47	M10x1
306321-05	6	14	85	27	34	10	47	M10x1
306321-06	6	16	85	27	34	10	50	M12x1
306321-07	6	18	85	33	40	10	50	M12x1
306321-08	6	20	85	33	40	10	52	M16x1
306321-09	6	25	90	44	52	10	58	M16x1
306321-10	6	32	95	44	53	10	62	M16x1

Version »Cool Tool«

306321-019	6	6	80	21	27	10	36	M5
306321-029	6	8	80	21	27	10	36	M6
306321-039	6	10	80	24	32	10	42	M8x1
306321-049	6	12	80	24	32	10	47	M10x1
306321-069	6	16	85	27	34	10	50	M12x1
306321-089	6	20	85	33	42	10	52	M16x1

Long versions see next page >>

Shrink fit holder 4,5°

Application: For clamping tools with cylindrical shank of solid carbide or HSS, tol. h6.

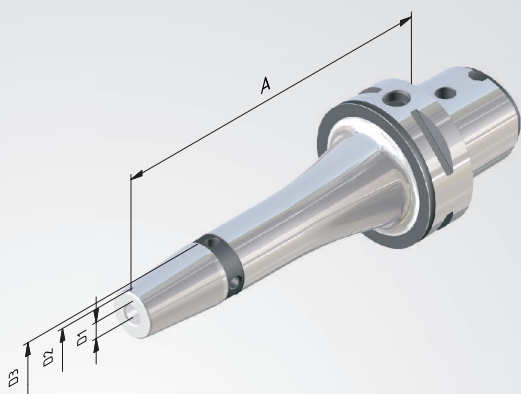
Technical Design: Made of special heat resistant steel. Suitable for inductive shrinking unit. With four additional threads for supplementary fine balancing. Runout of outer taper to $D_1 \leq 0,003$ mm.

Includes: Set screw.

Accessories: See page 135.



Fine balanced
 $G_{2,5}$ at 25.000^{min-1}
or max. residual imbalance
 ≤ 1 gmm



Order No.	C	D1	A	D2	D3	V	L	M1
= 120								
306321-31	6	6	120	21	27	10	36	M5
306321-32	6	8	120	21	27	10	36	M6
306321-33	6	10	120	24	32	10	42	M8x1
306321-34	6	12	120	24	32	10	47	M10x1
306321-35	6	14	120	27	34	10	47	M10x1
306321-36	6	16	120	27	34	10	50	M12x1
306321-37	6	18	120	42	44	10	50	M12x1
306321-38	6	20	120	42	44	10	52	M16x1
306321-39	6	25	120	44	53	10	58	M16x1
306321-40	6	32	120	44	53	10	58	M16x1

Version »Cool Tool«

= 120

306321-319	6	6	120	21	27	10	36	M5
306321-329	6	8	120	21	27	10	36	M6
306321-339	6	10	120	24	32	10	42	M8x1
306321-349	6	12	120	24	32	10	47	M10x1
306321-369	6	16	120	27	34	10	50	M12x1
306321-389	6	20	120	42	44	10	52	M16x1

= 160

306321-61	6	6	160	21	27	10	36	M5
306321-62	6	8	160	21	27	10	36	M6
306321-63	6	10	160	24	32	10	42	M8x1
306321-64	6	12	160	24	32	10	47	M10x1
306321-65	6	14	160	27	34	10	47	M10x1
306321-66	6	16	160	27	34	10	50	M12x1
306321-67	6	18	160	42	44	10	50	M12x1
306321-68	6	20	160	42	44	10	52	M16x1
306321-69	6	25	160	44	53	10	58	M16x1
306321-70	6	32	160	44	53	10	58	M16x1

KURZ

308021-01	8	6	80	21	27	10	36	M5
308021-02	8	8	80	21	27	10	36	M6
308021-03	8	10	80	24	32	10	42	M8x1
308021-04	8	12	80	24	32	10	47	M10x1
308021-05	8	14	85	27	34	10	47	M10x1
308021-06	8	16	85	27	34	10	50	M12x1
308021-07	8	18	85	42	44	10	50	M12x1
308021-08	8	20	85	42	44	10	52	M16x1
308021-09	8	25	90	44	53	10	58	M16x1
308021-10	8	32	95	44	53	10	58	M16x1

Shell mill holder »Cool Tool«

Application: For adapting shell mills with coolant through to the cutting edges.

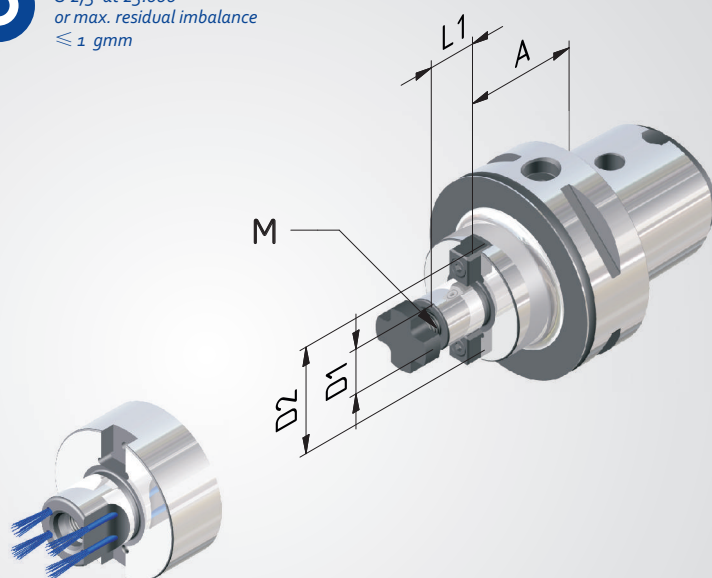
Technical Design: With extended flange. Runout of outer taper to $D_1 \leq 0,006$ mm.

Includes: Clamping screw and drive keys.

Accessories and Spareparts: See page 134.



Fine balanced
 $G_{2,5}$ at $25.000^{mm/s}$
 or max. residual imbalance
 ≤ 1 gmm



Order No.	C	D1	A	D2	L1	M
SHORT						
304005-21	4	16	32	38	17	M8
304005-22	4	22	25	48	19	M10
SHORT						
305005-21	5	16	35	38	17	M8
305005-22	5	22	25	48	19	M10
305005-23	5	27	25	60	21	M12
305005-24	5	32	40	63	24	M16
SHORT						
306305-21	6	16	40	38	17	M8
306305-22	6	22	25	48	19	M10
306305-23	6	27	25	60	21	M12
306305-24	6	32	25	63	24	M16
= 65						
306305-211	6	16	65	38	17	M8
306305-221	6	22	65	48	19	M10
306305-231	6	27	65	60	21	M12
306305-241	6	32	65	63	24	M16
SHORT						
308005-21	8	16	50	38	17	M8
308005-22	8	22	50	48	19	M10
308005-23	8	27	50	60	21	M12
308005-24	8	32	60	63	24	M16
308005-25	8	40	60	89	27	M20