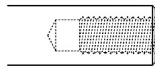


## General Information

### Customizing Rollers

Axis Machining – Omni can provide optional axis retention/machining. Below are some of the axis machining options that are available. (enlarged to show detail)

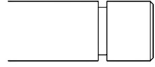
Drill and Tap (Female Thread)



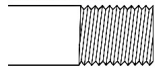
Milled Flat



Snap Ring Groove



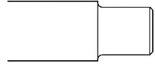
Threaded (Male Thread)



Milled Slot



Turn Down



Special Tube Construction – Omni can provide special tube construction for many different applications. Below are some of the different tube construction options that are available.

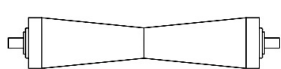
Concave Roller



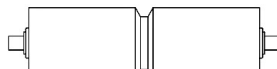
Sprocketed Hub



Bow-Tie Roller



V-Groove Hub



Trapezoidal Crown



Flanges



## CONVEYOR ROLLERS-FREE/GRAVITY ROLLERS



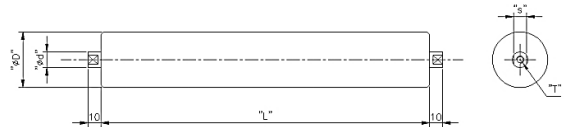
### PART CLASSIFICATION

ITEM	ROLLER DIA (D)	SHAFT DIA (d)	SPAN LENGTH (L)	COATING
CORO	"_"	"_"	"_" (30MM+1 MM INCREMENT T)	"WZ" - WHITE ZINC "GZ" - GOLD ZINC "B" - BLACKENING "P" - PHOSPATING "C" - CHROME COATED "N" - NICKEL COATED "PU" - POLY URETHANE * "R" - RUBBER*

\* MINIMUM THICKNESS OF COATING 5MM & TOTAL DIA OF ROLLER (D+10MM)

#### NOTE :

- ROLLER DIAMETER 80 AND ABOVE WILL BE ON SPECIAL REQUEST
- CUSTOMISED INFORMATION AS SHOWN BELOW WILL BE ON SPECIAL REQUEST



Part Number	Type	d	D	S	T	BEAR'G SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
CORO		10	30	6	M4	6000	190	360
		12		8	M5	6001	220	400
		10	6	M4	6000	190	360	
		12	8	M5	6001	220	400	
		15	10	M6	6002	255	440	
		17	12	M8	6003	285	465	
		10	6	M4	6200	224	400	
		12	8	M5	6201	300	540	
		15	10	M6	6202	355	610	
		10	6	M4	6300	360	630	
		12	8	M5	6301	430	765	
		10	6	M4	6000	190	360	
		12	8	M5	6001	220	400	
		15	10	M6	6002	255	440	
		17	12	M8	6003	285	465	
		20	16	M10	6004	450	735	
		25	18	M10	6005	520	780	
		10	6	M4	6200	224	400	
		12	8	M5	6201	300	540	
		15	10	M6	6202	355	610	
		17	12	M8	6203	440	750	
		20	16	M10	6204	655	1000	
		10	6	M4	6300	360	630	
		12	8	M5	6301	430	765	
		15	10	M6	6302	520	880	
		17	12	M8	6303	630	1060	
		10	6	M4	6000	190	360	
		12	8	M5	6001	220	400	
		15	10	M6	6002	255	440	
		17	12	M8	6003	285	465	
	20	16	M10	6004	450	735		
	25	18	M10	6005	520	780		
	30	22	M12	6006	710	1040		
	10	6	M4	6200	224	400		
	12	8	M5	6201	300	540		
	15	10	M6	6202	355	610		
	17	12	M8	6203	440	750		
	20	16	M10	6204	655	1000		
	25	16	M10	6205	710	1100		
	10	6	M4	6300	360	630		
	12	8	M5	6301	430	765		
	15	10	M6	6302	520	880		
	17	12	M8	6303	630	1060		
	20	12	M10	6304	765	1250		

## CONVEYOR ROLLERS-POWER ROLLERS-CHAIN DRIVE



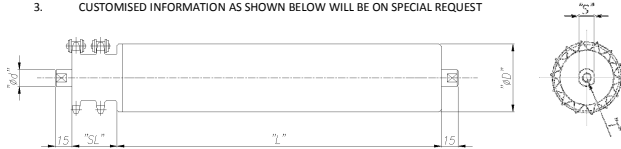
ITEM	ROLLER DIA (D)	SHAFT DIA (d)	SPAN LENG H (L)	SPROCKET DETAILS	COATING
POROC	" "	" "	" "	" "	" "

"WZ" - WHITE ZINC  
 "GZ" - GOLD ZINC  
 "B" - BLACKENING  
 "P" - PHOSPATING  
 "C" - CHROME COATED  
 "N" - NICKEL COATED  
 "PU" - POLY URETHANE \*  
 "R" - RUBBER\*

\* MINIMUM THICKNESS OF COATING 5MM & TOTAL DIA OF ROLLER (D+10MM)

**NOTE:**

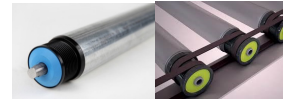
- ROLLER DIAMETER 80 AND ABOVE WILL BE ON SPECIAL REQUEST
- DRIVE SPROCKET INFORMATION & SELECTION WILL BE ON SPECIAL REQUEST ONLY
- CUSTOMISED INFORMATION AS SHOWN BELOW WILL BE ON SPECIAL REQUEST



Part Number	Type	d	D	S	T	SL	SPROCKET DATA	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
10	POROC	10	30	6	M4	CUSTOMER INPUT	CUSTOMER SELECTION	6000	190	360
12		8		M5	6001			220	400	
10		40	6	M4	6000			190	360	
12			8	M5	6001			220	400	
15			10	M6	6002			255	440	
17		12	M8	6003	285			465		
10		40	6	M4	6200			224	400	
12			8	M5	6201			300	540	
15			10	M6	6202			355	610	
10		40	6	M4	6300			360	630	
12			8	M5	6301			430	765	
10			50	6	M4			6000	190	360
12		8		M5	6001			220	400	
15		10		M6	6002			255	440	
17		12	M8	6003	285			465		
20		50	16	M10	6004			450	735	
25			18	M10	6005			520	780	
10			50	6	M4			6200	224	400
12		8		M5	6201			300	540	
15		10		M6	6202			355	610	
17		50	12	M8	6203			440	750	
20			16	M10	6204			655	1000	
10			60	6	M4			6300	360	630
12		8		M5	6301			430	765	
15	10	M6		6302	520	880				
17	60	12	M8	6303	630	1060				
10		60	6	M4	6000	190	360			
12			8	M5	6001	220	400			
15	10		M6	6002	255	440				
17	60	12	M8	6003	285	465				
20		16	M10	6004	450	735				
25		18	M10	6005	520	780				
30	60	22	M12	6006	710	1040				

Part Number	Type	d	D	S	T	SL	POLY V BELT DATA	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
10	POROC	10	50	6	M4	CUSTOMER INPUT	CUSTOMER SELECTION	6300	360	630
12		8		M5	6301			430	765	
15		60	10	M6	6302			520	880	
17			12	M8	6303			630	1060	
10			60	6	M4			6000	190	360
12		8		M5	6001			220	400	
15		10		M6	6002			255	440	
17		60	12	M8	6003			285	465	
20			60	16	M10			6004	450	735
25				18	M10			6005	520	780
30		22		M12	6006			710	1040	
10		60	6	M4	6200			224	400	
12			8	M5	6201			300	540	
15			10	M6	6202			355	610	
17		60	12	M8	6203			440	750	
20			60	16	M10			6204	655	1000
25				18	M10			6205	710	1100
10		60		6	M4			6300	360	630
12			8	M5	6301			430	765	
15			10	M6	6302			520	880	
17		60	12	M8	6303			630	1060	
20			60	12	M8			6304	765	1250

## CONVEYOR ROLLERS POWER ROLLERS-BELT DRIVE (SILENT)



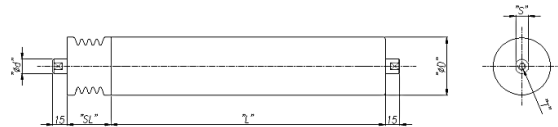
ITEM	ROLLER DIA (D)	SHAFT DIA (d)	SPAN LENGTH (L)	BELT DETAILS	COATING
POROB	" "	" "	" "	" "	" "

"WZ" - WHITE ZINC  
 "GZ" - GOLD ZINC  
 "B" - BLACKENING  
 "P" - PHOSPATING  
 "C" - CHROME COATED  
 "N" - NICKEL COATED  
 "PU" - POLY URETHANE \*  
 "R" - RUBBER\*

\* MINIMUM THICKNESS OF COATING 5MM & TOTAL DIA OF ROLLER (D+10MM)

**NOTE:**

- ROLLER DIAMETER 80 AND ABOVE WILL BE ON SPECIAL REQUEST
- DRIVE SPROCKET INFORMATION & SELECTION WILL BE ON SPECIAL REQUEST ONLY
- CUSTOMISED INFORMATION AS SHOWN BELOW WILL BE ON SPECIAL REQUEST



Part Number	Type	d	D	S	T	SL	POLY V BELT DATA	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
10	POROB	10	30	6	M4	CUSTOMER INPUT	CUSTOMER SELECTION	6000	190	360
12		8		M5	6001			220	400	
10		40	6	M4	6000			190	360	
12			8	M5	6001			220	400	
15			10	M6	6002			255	440	
17		40	12	M8	6003			285	465	
10			40	6	M4			6200	224	400
12				8	M5			6201	300	540
15		10		M6	6202			355	610	
10		40	6	M4	6300			360	630	
12			8	M5	6301			430	765	

Part Number	Type	d	D	S	T	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
10	POROB	50	6	M4	6000	190	360	
12					6001	220	400	
15					6002	255	440	
17					6003	285	465	
20					6004	450	735	
25					6005	520	780	
10		50	8	M5	6200	224	400	
12					6201	300	540	
15					6202	355	610	
17					6203	440	750	
20					6204	655	1000	
25					6205	710	1100	
10		50	10	M6	6300	360	630	
12					6301	430	765	
15					6302	520	880	
17					6303	630	1060	
20					6304	765	1250	
25					6305	880	1060	
10	60	6	M4	6000	190	360		
12				6001	220	400		
15				6002	255	440		
17				6003	285	465		
20				6004	450	735		
25				6005	520	780		
30	6006	710	1040					
10	60	8	M5	6200	224	400		
12				6201	300	540		
15				6202	355	610		
17				6203	440	750		
20				6204	655	1000		
25				6205	710	1100		
10	60	10	M6	6300	360	630		
12				6301	430	765		
15				6302	520	880		
17				6303	630	1060		
20				6304	765	1250		
25				6305	880	1060		

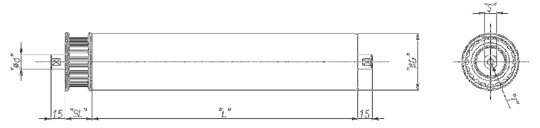
CUSTOMER INPUT  
CUSTOMER SELECTION

**CONVEYOR ROLLERS-POWER ROLLERS-TIMING BELT DRIVE (SILENT)**



ITEM	ROLLER DIA (D)	SHAFT DIA (d)	SPAN LENGTH (L)	BELT DETAILS	COATING
POROT	" - "	" - "	" - " (30MM=1 MM INCREMENT)	" - " CUSTOMER DATA (TIMING BELT TYPE)	"WZ" - WHITE ZINC "GZ" - GOLD ZINC "B" - BLACKENING "P" - PHOSPATING "C" - CHROME COATED "N" - NICKEL COATED "PU" - POLY URETHANE * "R" - RUBBER*

\* MINIMUM THICKNESS OF COATING 5MM & TOTAL DIA OF ROLLER (D+10MM)  
**NOTE:**  
 1. ROLLER DIAMETER 80 AND ABOVE WILL BE ON SPECIAL REQUEST  
 2. DRIVE SPROCKET INFORMATION & SELECTION WILL BE ON SPECIAL REQUEST ONLY  
 3. CUSTOMISED INFORMATION AS SHOWN BELOW WILL BE ON SPECIAL REQUEST



Part Number	Type	d	D	S	T	SL	SPROCKET DATA	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
10	POROT	30	6	M4	6000	190	360			
12					6001	220	400			
15					6002	255	440			
17					6003	285	465			
20					6004	450	735			
25					6005	520	780			
10		40	8	M5	6200	224	400			
12					6201	300	540			
15					6202	355	610			
17					6203	440	750			
20					6204	655	1000			
25					6205	710	1100			
10		40	10	M6	6300	360	630			
12					6301	430	765			
15					6302	520	880			
17					6303	630	1060			
20					6304	765	1250			
25					6305	880	1060			
10	50	6	M4	6000	190	360				
12				6001	220	400				
15				6002	255	440				
17				6003	285	465				
20				6004	450	735				
25				6005	520	780				
10	50	8	M5	6200	224	400				
12				6201	300	540				
15				6202	355	610				
17				6203	440	750				
20				6204	655	1000				
25				6205	710	1100				
10	50	10	M6	6300	360	630				
12				6301	430	765				
15				6302	520	880				
17				6303	630	1060				
20				6304	765	1250				
25				6305	880	1060				
10	60	6	M4	6000	190	360				
12				6001	220	400				
15				6002	255	440				
17				6003	285	465				
20				6004	450	735				
25				6005	520	780				
30	6006	710	1040							
10	60	8	M5	6200	224	400				
12				6201	300	540				
15				6202	355	610				
17				6203	440	750				
20				6204	655	1000				
25				6205	710	1100				
10	60	10	M6	6300	360	630				
12				6301	430	765				
15				6302	520	880				
17				6303	630	1060				
20				6304	765	1250				
25				6305	880	1060				

CUSTOMER INPUT  
CUSTOMER SELECTION

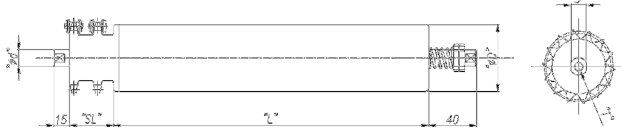
# ACCUMULATION ROLLERS-CHAIN DRIVE



ITEM	ROLLER DIA (D)	SHAFT DIA (d)	SPAN LENGH H (L)	SPROCKET DETAILS	COATING
POROC	" "	" "	" "	" "	" "

"WZ" - WHITE ZINC  
 "GZ" - GOLD ZINC  
 "B" - BLACKENING  
 "P" - PHOSPATING  
 "C" - CHROME COATED  
 "N" - NICKEL COATED  
 "PU" - POLY URETHANE \*  
 "R" - RUBBER\*

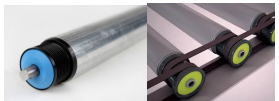
\* MINIMUM THICKNESS OF COATING 5MM & TOTAL DIA OF ROLLER (D+10MM)  
**NOTE:**  
 4. ROLLER DIAMETER 80 AND ABOVE WILL BE ON SPECIAL REQUEST  
 5. DRIVE SPROCKET INFORMATION & SELECTION WILL BE ON SPECIAL REQUEST ONLY  
 6. CUSTOMISED INFORMATION AS SHOWN BELOW WILL BE ON SPECIAL REQUEST



Part Number	Type	d	D	S	T	SL	SPROCKET DATA	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
10	POROC	10	30	6	M4	CUSTOMER INPUT	CUSTOMER SELECTION	6000	190	360
12		8		M5	6001			220	400	
10		40	6	M4	6000			190	360	
12			8	M5	6001			220	400	
15			10	M6	6002			255	440	
17		12	M8	6003	285			465		
10		40	6	M4	6200			224	400	
12			8	M5	6201			300	540	
15			10	M6	6202			355	610	
10		40	6	M4	6300			360	630	
12			8	M5	6301			430	765	
10			50	6	M4			6000	190	360
12		8		M5	6001			220	400	
15		10		M6	6002			255	440	
17		12	M8	6003	285			465		
20		16	M10	6004	450			735		
25		18	M10	6005	520			780		
10		50	6	M4	6200			224	400	
12			8	M5	6201			300	540	
15			10	M6	6202			355	610	
17		12	M8	6203	440			750		
20		16	M10	6204	655			1000		
10		50	6	M4	6300			360	630	
12			8	M5	6301			430	765	
15	10		M6	6302	520	880				
17	12	M8	6303	630	1060					
10	60	6	M4	6000	190	360				
12		8	M5	6001	220	400				
15		10	M6	6002	255	440				
17	12	M8	6003	285	465					
20	16	M10	6004	450	735					
25	18	M10	6005	520	780					
30	22	M12	6006	710	1040					

Part Number	Type	d	D	S	T	SL	POLY V BELT DATA	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
10	POROC	10	50	6	M4	CUSTOMER INPUT	CUSTOMER SELECTION	6300	360	630
12		8		M5	6301			430	765	
15		10		M6	6302			520	880	
17		12		M8	6303			630	1060	
10		60		6	M4			6000	190	360
12				8	M5			6001	220	400
15			10	M6	6002			255	440	
17			12	M8	6003			285	465	
20			16	M10	6004			450	735	
25			18	M10	6005			520	780	
30		22	M12	6006	710			1040		
10		60	6	M4	6200			224	400	
12			8	M5	6201			300	540	
15			10	M6	6202			355	610	
17			12	M8	6203			440	750	
20			16	M10	6204			655	1000	
25			18	M10	6205			710	1100	
10		60	6	M4	6300			360	630	
12			8	M5	6301			430	765	
15			10	M6	6302			520	880	
17			12	M8	6303			630	1060	
20			16	M10	6304			765	1250	

# ACCUMULATION ROLLERS BELT DRIVE (SILENT)



ITEM	ROLLER DIA (D)	SHAFT DIA (d)	SPAN LENGTH (L)	BELT DETAILS	COATING
POROB	" "	" "	" "	" "	" "

"WZ" - WHITE ZINC  
 "GZ" - GOLD ZINC  
 "B" - BLACKENING  
 "P" - PHOSPATING  
 "C" - CHROME COATED  
 "N" - NICKEL COATED  
 "PU" - POLY URETHANE \*  
 "R" - RUBBER\*

\* MINIMUM THICKNESS OF COATING 5MM & TOTAL DIA OF ROLLER (D+10MM)  
**NOTE:**  
 4. ROLLER DIAMETER 80 AND ABOVE WILL BE ON SPECIAL REQUEST  
 5. DRIVE SPROCKET INFORMATION & SELECTION WILL BE ON SPECIAL REQUEST ONLY  
 6. CUSTOMISED INFORMATION AS SHOWN BELOW WILL BE ON SPECIAL REQUEST



Part Number	Type	d	D	S	T	SL	POLY V BELT DATA	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
10	POROB	10	30	6	M4	CUSTOMER INPUT	CUSTOMER SELECTION	6000	190	360
12		8		M5	6001			220	400	
10		40	6	M4	6000			190	360	
12			8	M5	6001			220	400	
15			10	M6	6002			255	440	
17		12	M8	6003	285			465		
10		40	6	M4	6200			224	400	
12			8	M5	6201			300	540	
15			10	M6	6202			355	610	
10		40	6	M4	6300			360	630	
12			8	M5	6301			430	765	

Part Number		D	S	T	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF
Type	d						
POROB	10	50	6	M4	6000	190	360
	12		8	M5	6001	220	400
	15		10	M6	6002	255	440
	17		12	M8	6003	285	465
	20		16	M10	6004	450	735
	25		18	M10	6005	520	780
	10	50	6	M4	6200	224	400
	12		8	M5	6201	300	540
	15		10	M6	6202	355	610
	17		12	M8	6203	440	750
	20		16	M10	6204	655	1000
	25		18	M10	6205	710	1040
	10	50	6	M4	6300	360	630
	12		8	M5	6301	430	765
	15		10	M6	6302	520	880
	17		12	M8	6303	630	1060
	20		16	M10	6304	765	1250
	25		18	M10	6305	880	1060
	10	60	6	M4	6000	190	360
	12		8	M5	6001	220	400
	15		10	M6	6002	255	440
	17		12	M8	6003	285	465
	20		16	M10	6004	450	735
	25		18	M10	6005	520	780
	10	60	6	M4	6200	224	400
	12		8	M5	6201	300	540
	15		10	M6	6202	355	610
	17		12	M8	6203	440	750
20	16		M10	6204	655	1000	
25	18		M10	6205	710	1100	
10	60	6	M4	6300	360	630	
12		8	M5	6301	430	765	
15		10	M6	6302	520	880	
17		12	M8	6303	630	1060	
20		16	M10	6304	765	1250	
25		18	M10	6305	880	1060	

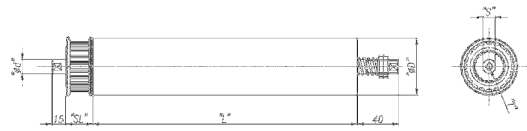
CUSTOMER INPUT  
CUSTOMER SELECTION

**ACCUMULATION ROLLERS- TIMING BELT DRIVE (SILENT)**



ITEM	ROLLER DIA (D)	SHAFT DIA (d)	SPAN LENGTH (L)	BELT DETAILS	COATING
POROT	" - "	" - "	" - " (30MM=1 MM INCREMENT)	" - " CUSTOMER DATA (TIMING BELT TYPE)	"WZ" - WHITE ZINC "GZ" - GOLD ZINC "B" - BLACKENING "P" - PHOSPATING "C" - CHROME COATED "N" - NICKEL COATED "PU" - POLY URETHANE * "R" - RUBBER*

\* MINIMUM THICKNESS OF COATING 5MM & TOTAL DIA OF ROLLER (D+10MM)  
**NOTE:**  
 4. ROLLER DIAMETER 80 AND ABOVE WILL BE ON SPECIAL REQUEST  
 5. DRIVE SPROCKET INFORMATION & SELECTION WILL BE ON SPECIAL REQUEST ONLY  
 6. CUSTOMISED INFORMATION AS SHOWN BELOW WILL BE ON SPECIAL REQUEST



Part Number		D	S	T	SL	SPROCKET DATA	BEARING SIZE	STATIC CAPACITY IN KGF	DYNAMIC CAPACITY IN KGF	
Type	d									
POROT	10	30	6	M4	CUSTOMER INPUT CUSTOMER SELECTION		6000	190	360	
	12		8	M5			6001	220	400	
	10		40	6			M4	6000	190	360
	12			8			M5	6001	220	400
	15			10			M6	6002	255	440
	17			12			M8	6003	285	465
	10	40		6			M4	6200	224	400
	12			8			M5	6201	300	540
	15		10	M6			6202	355	610	
	10		40	6			M4	6300	360	630
	12			8			M5	6301	430	765
	10			50			6	M4	6000	190
	12	8					M5	6001	220	400
	15	10					M6	6002	255	440
	17	12					M8	6003	285	465
	20	16	M10				6004	450	735	
	25	18	M10				6005	520	780	
	10	50	6	M4			6200	224	400	
	12		8	M5			6201	300	540	
	15		10	M6			6202	355	610	
	17		12	M8			6203	440	750	
	20		16	M10			6204	655	1000	
	25		18	M10			6205	710	1100	
	10	50	6	M4			6300	360	630	
	12		8	M5	6301	430	765			
	15		10	M6	6302	520	880			
	17		12	M8	6303	630	1060			
	10		60	6	M4	6000	190	360		
	12			8	M5	6001	220	400		
	15	10		M6	6002	255	440			
	17	12		M8	6003	285	465			
	20	16		M10	6004	450	735			
	25	18		M10	6005	520	780			
	10	60	6	M4	6200	224	400			
	12		8	M5	6201	300	540			
	15		10	M6	6202	355	610			
	17		12	M8	6203	440	750			
	20		16	M10	6204	655	1000			
	25		18	M10	6205	710	1100			
	10	60	6	M4	6300	360	630			
	12		8	M5	6301	430	765			
	15		10	M6	6302	520	880			
	17		12	M8	6303	630	1060			
	20		16	M10	6304	765	1250			
	25		18	M10	6305	880	1060			