



SITI

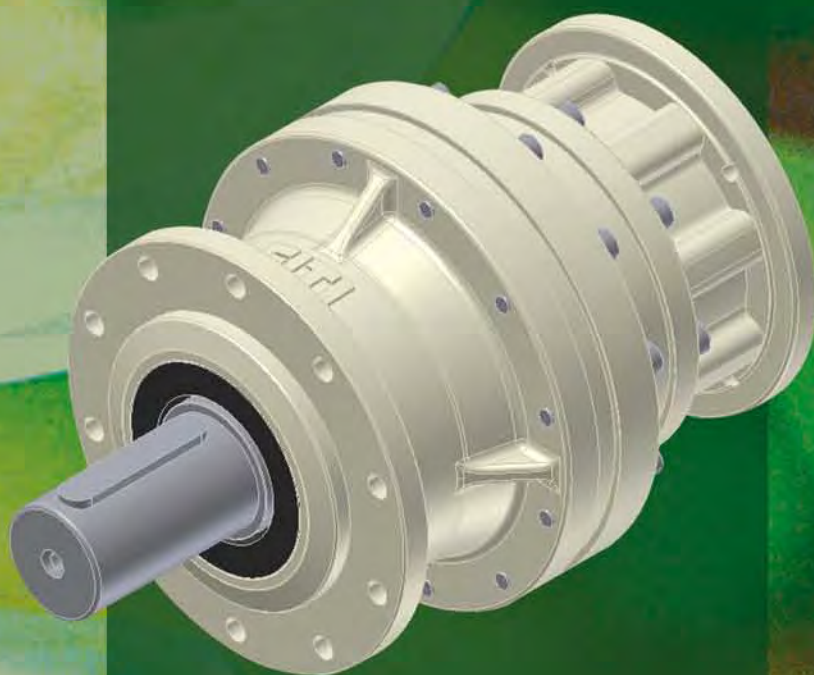
SPA

SOCIETÀ ITALIANA TRASMISSIONI INDUSTRIALI



Riduttori epicicloidali
Planetary Gearboxes
Planetengetriebe

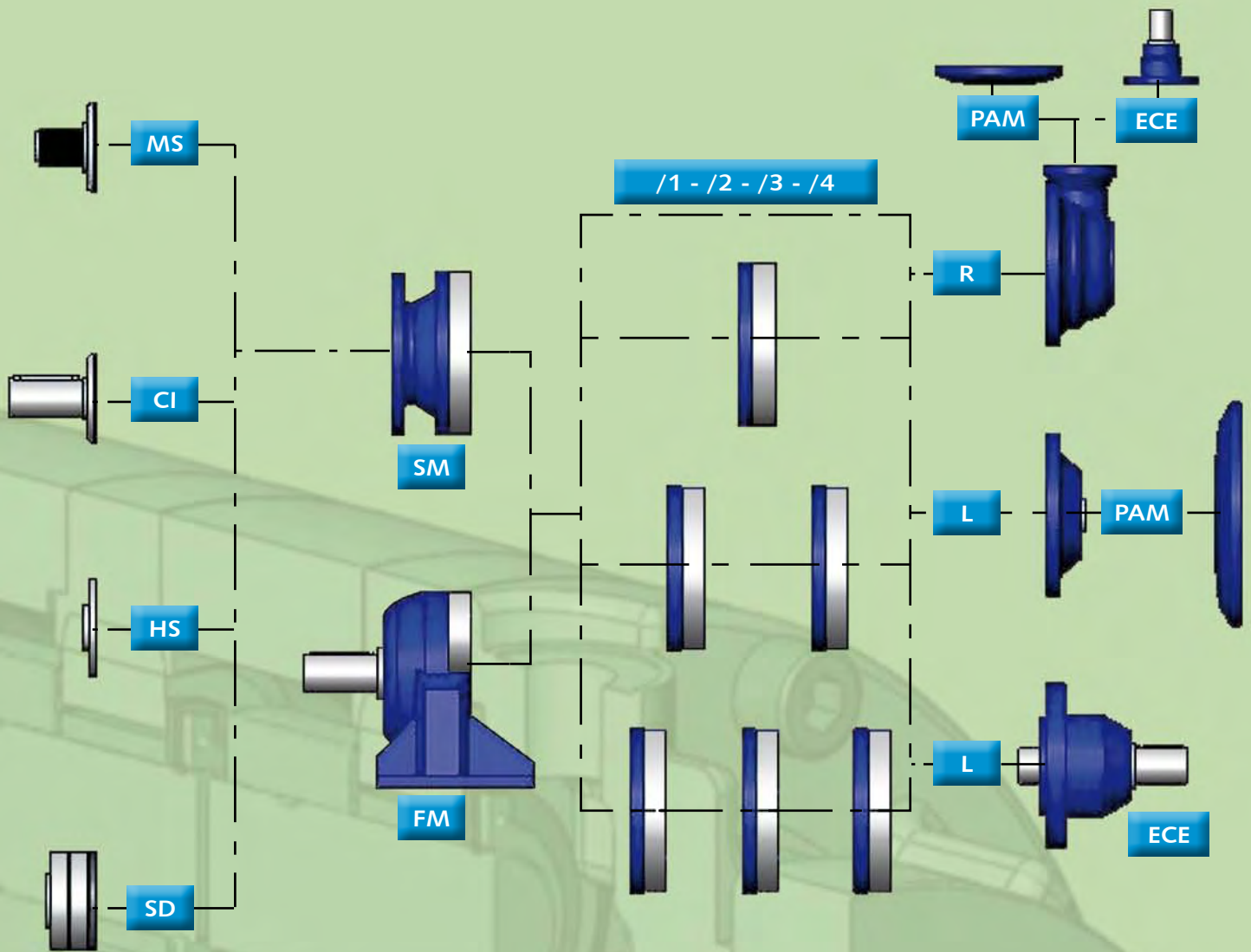
NRG



COMPOSIZIONE

COMPOSITION

ZUSAMMENSETZUNG



Gamma rapporti

- 1 stadio: $3,5 \div 8$
- 2 stadi: $12 \div 64$
- 3 stadi: $51 \div 450$
- 4 stadi: $440 \div 3140$

Ratios

- 1 Stage: $3.5 \div 8$
- 2 Stages: $12 \div 64$
- 3 Stages: $51 \div 450$
- 4 Stages: $440 \div 3140$

Übersetzungen

- 1 Stufig: $3,5 \div 8$
- 2 Stufig: $12 \div 64$
- 3 Stufig: $51 \div 450$
- 4 Stufig: $440 \div 3140$

SPECIFICHE GENERICHE

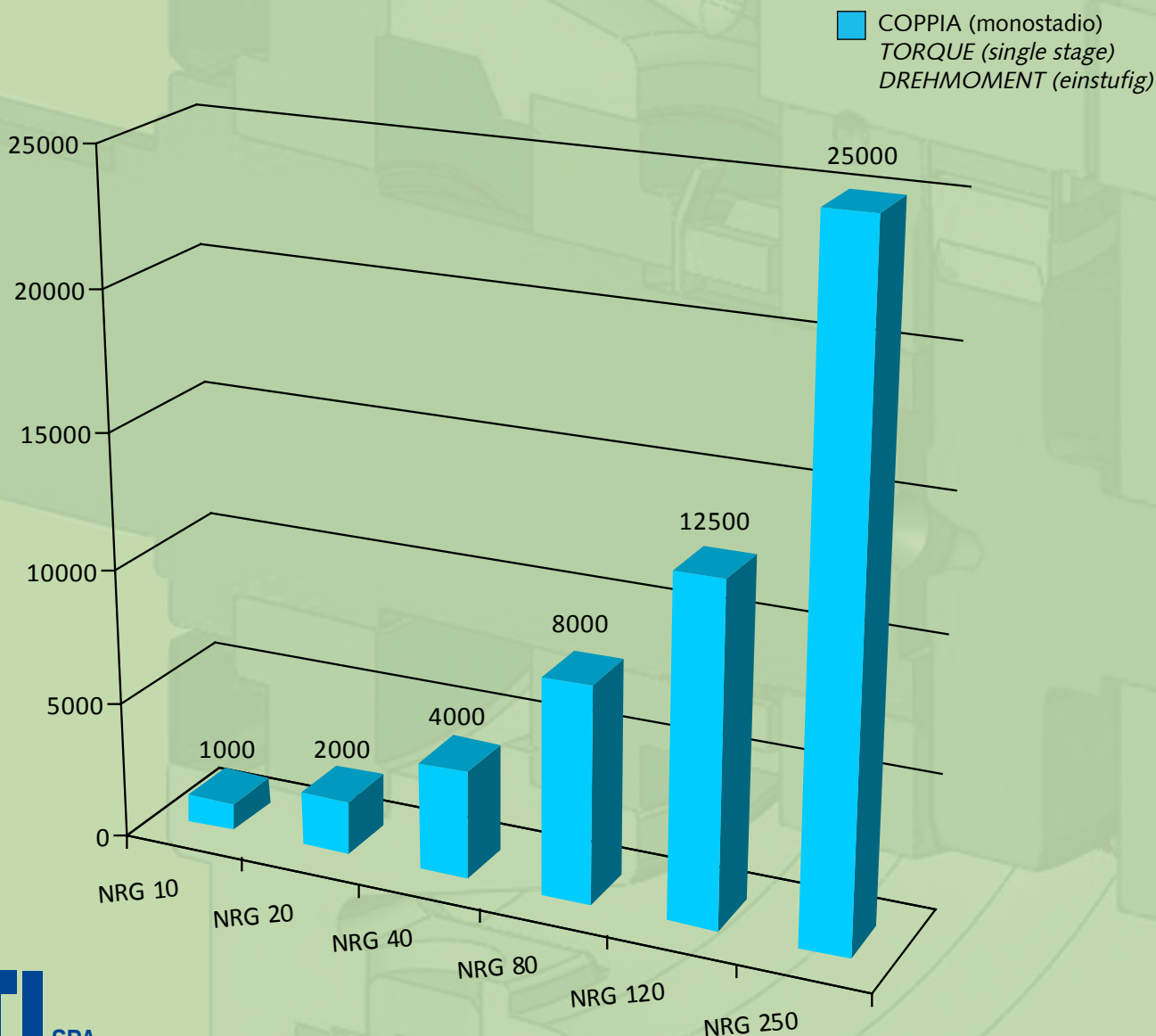
- Range coppie uscita da 1000 a 25000 Nm.
- 5 taglie, 6 livelli di coppia.
- Da 1 a 4 stadi di riduzione.
- Versione a piede e flangiata.
- Entrate:
 - Predisposizione attacco motore IEC (PAM).
 - Albero pieno sporgente (ECE).
 - Ortogonale con rinvio angolare integrato (R PAM, R ECE).
- Uscite:
 - 4 versioni di albero.
 - Liscio con linguetta (versione CI).
 - Scanalato maschio (versione MS).
 - Scanalato femmina (versione HS).
 - calettatore (versione SD).
 - 2 versioni supporto.
 - Standard (versione SM).
 - Per elevati carichi (ove necessario e impossibilitati a unificare) (versione FM).

CHARACTERISTICS

- Torque From 1000 Up To 25000 Nm.
- 5 sizes, 6 torque capacities.
- Up to 4 reduction stages.
- Foot And Flange Mounting.
- Input:
 - IEC input flange (PAM).
 - Solid input shaft (ECE).
 - Integral bevel helical gearset (R PAM, R ECE).
- Output configurations:
 - 4 different output shaft configurations.
 - CI = Solid Shaft With Key
 - MS = Splined Shaft
 - HS = Splined Hollow Shaft
 - SD = Taper Lock
 - 2 Output support connections
 - Standard (SM version)
 - High load (FM version)

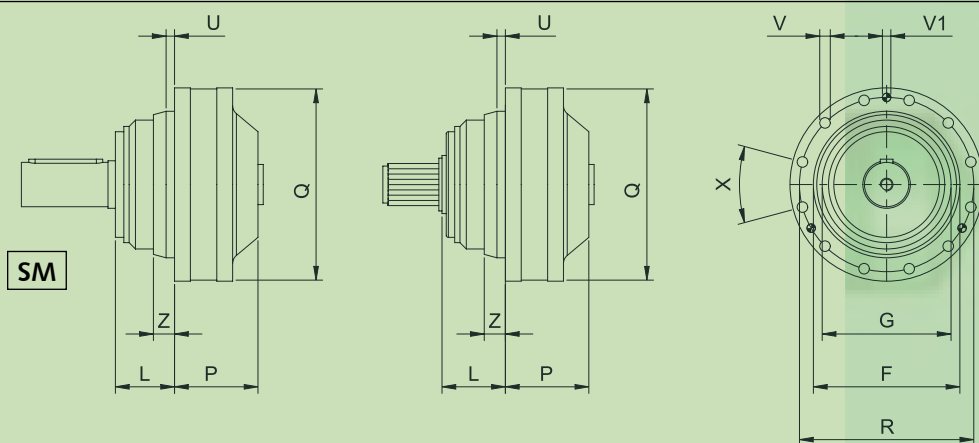
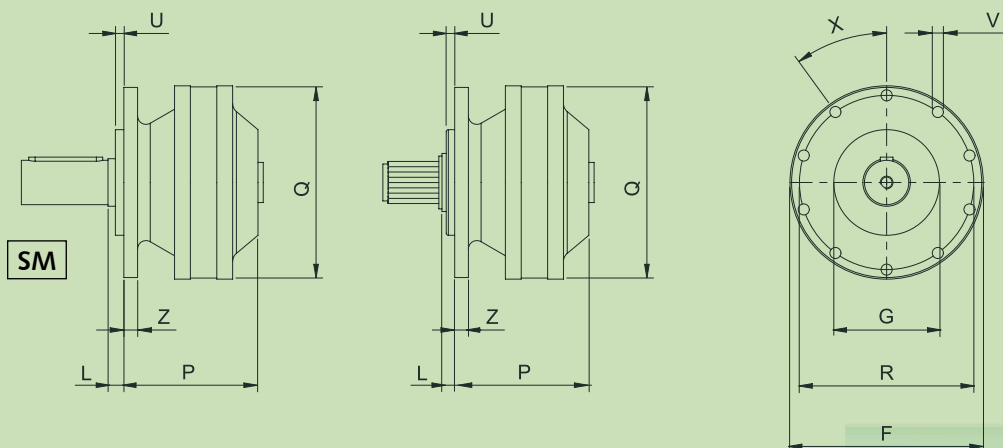
EIGENSCHAFTEN

- Drehmoment Von 1000 Bis 25000 Nm.
- 5 Baugröße, 6 mögliche Drehmomente.
- Bis 4 stufige Getriebe.
- Fuß- Und Flanschausführung.
- Antrieb:
 - IEC Motorenanschluss (PAM).
 - Volle Antriebswelle (ECE).
 - Aufgebaute Kegelstirnantriebssatz (R PAM, R ECE).
- Abtriebsmöglichkeiten:
 - 4 verschiedene mögliche Abtriebswelle
 - CI = Welle Mit Paßfeder
 - MS = Keilwelle
 - HS = Keilhohlwelle
 - SD = Schrumpfscheibe
 - 2 Abtriebsausführungen
 - Standard (SM Ausführung)
 - Hohe Belastungen (FM Ausführung)

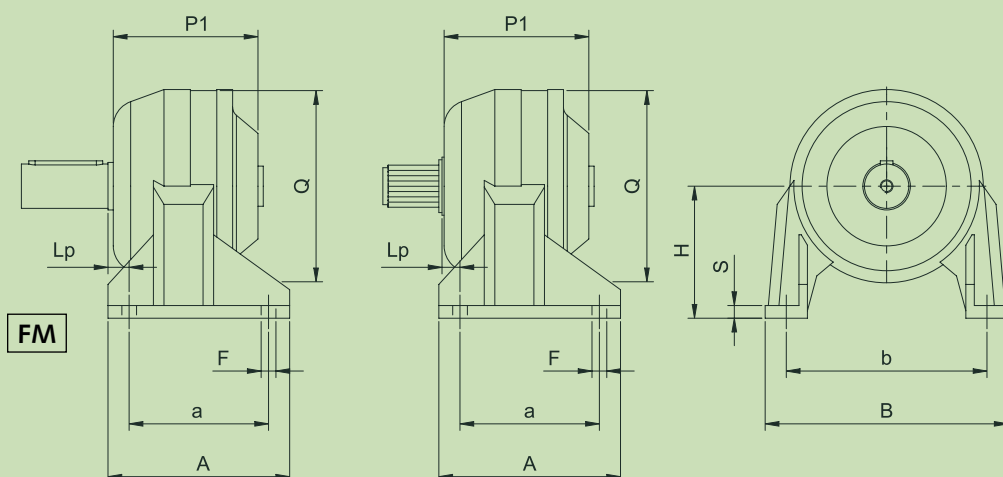


DIMENSIONI DI RIFERIMENTO

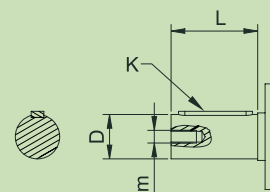
Versioni supporto
Output connections
Abtriebsausführungen



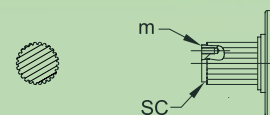
Solo per NRG 250
Only for NRG 250
Nur für NRG 250



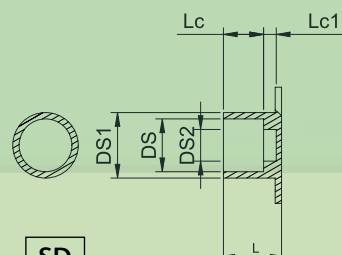
Versioni albero uscita
Output shaft configurations
Abtriebswelleausführungen



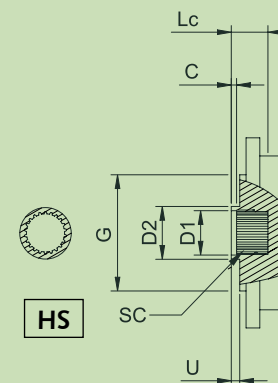
CI



MS



SD



HS

DIMENSIONS

ABMESSUNGEN

GRANDEZZA SIZE GRÖÖE	SM													
	F	G	L	R	U	Z	V	V1	X	P/1	P/2	P/3	P/4	Q
NRG 10	180	110	7	165	6	13	9	-	45°	127	167	206	-	185
NRG 20	180	110	7	165	6	13	9	-	45°	162	222	241	-	185
NRG 40	220	150	15	195	5	16	14	-	36°	-	245	284	324	240
NRG 80	280	200	40	250	20	20	16	-	30°	259	323	375	415	280
NRG 120	278	225	143	314	18	77	16	12	30°	186	263	331	383	340
NRG 250	340	245	180	370	17	114	18	16	24°	-	270	335	388	399

P/1 = P1 a 1 stadio
P/2 = P1 a 2 stadi
...
P/n = P1 a n stadi

P/1 = P1 with 1 reduction stage
P/2 = P1 with 2 reduction stages
...
P/n = P1 with n reduction stages

P/1 = P1 mit 1 Untersetzungsstufe
P/2 = P1 mit 2 Untersetzungsstufen
...
P/n = P1 mit n Untersetzungsstufen

GRANDEZZA SIZE GRÖÖE	FM												
	a	A	b	B	F	S	H	Lp	P1/1	P1/2	P1/3	P1/4	Q
NRG 10	132	172	190	230	14	22	125	20	171	211	250	-	185
NRG 20	132	172	190	230	14	22	125	20	206	245	285	-	185
NRG 40	180	236	250	310	22	36	160	29	248	315,5	368	407,5	240
NRG 80	225	295	300	370	26	42	200	35	298	363	415	455	280
NRG 120	265	245	375	460	33	55	250	33,5	-	406	473	536	340
NRG 250													

P1/1 = P1 a 1 stadio
P1/2 = P1 a 2 stadi
...
P1/n = P1 a n stadi

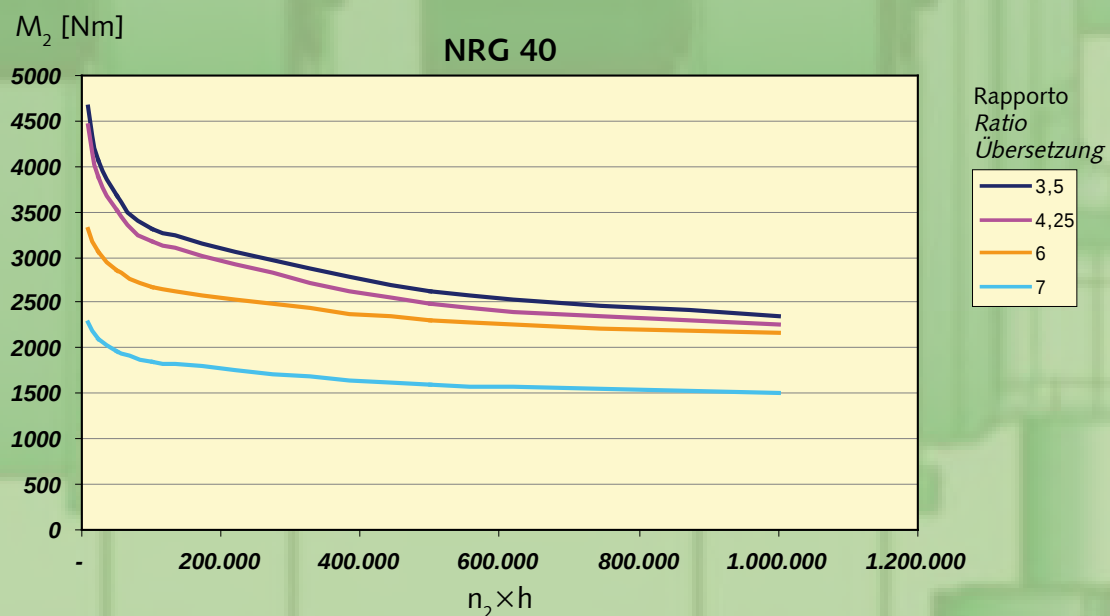
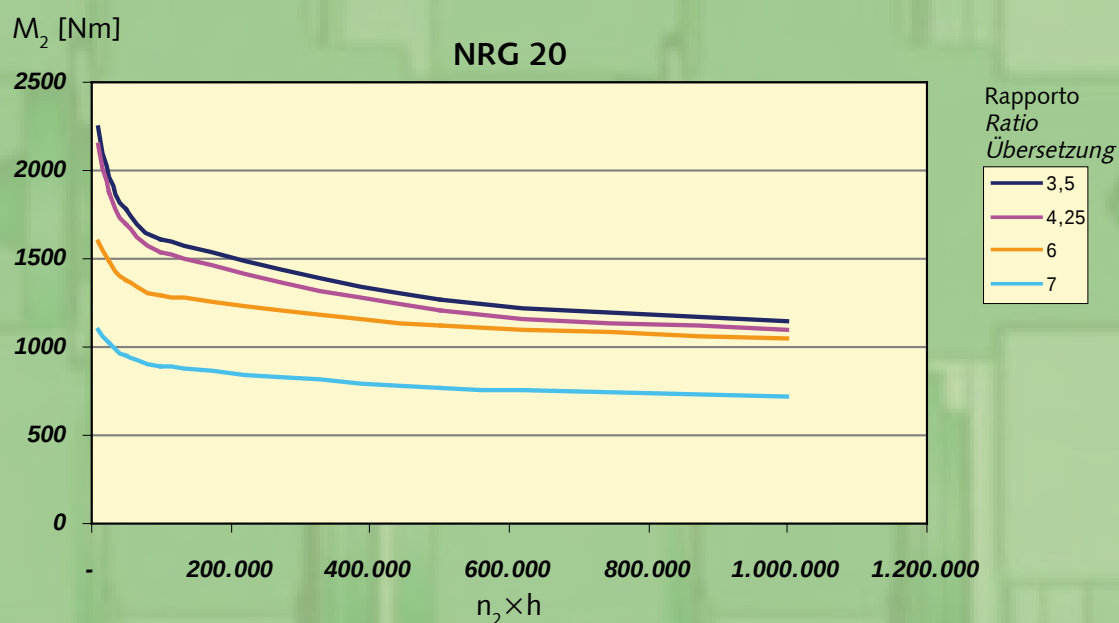
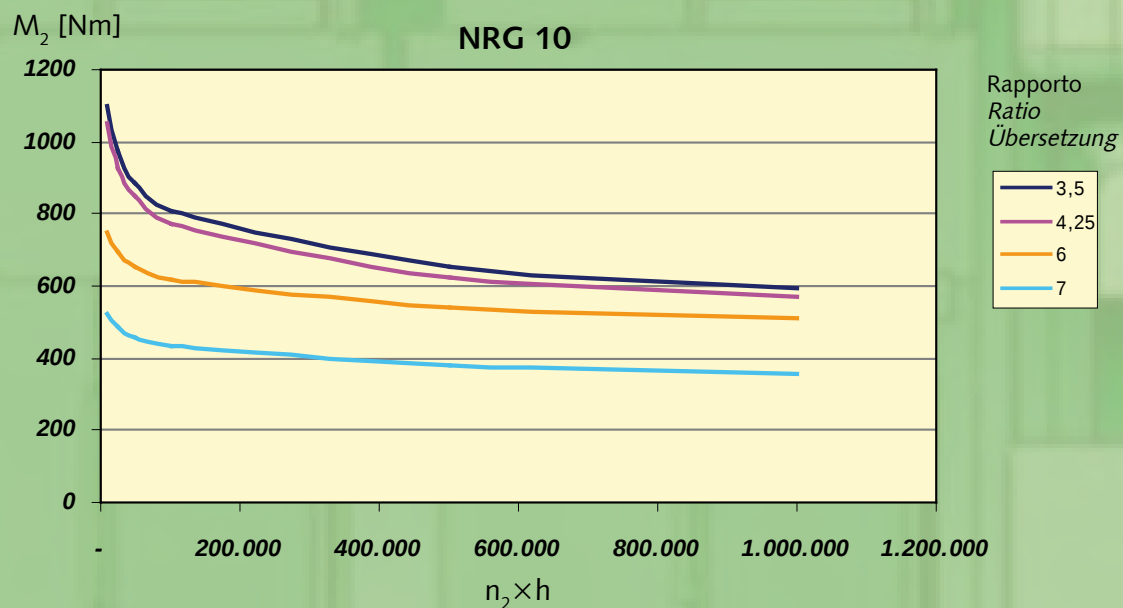
P1/1 = P1 with 1 reduction stage
P1/2 = P1 with 2 reduction stages
...
P1/n = P1 with n reduction stages

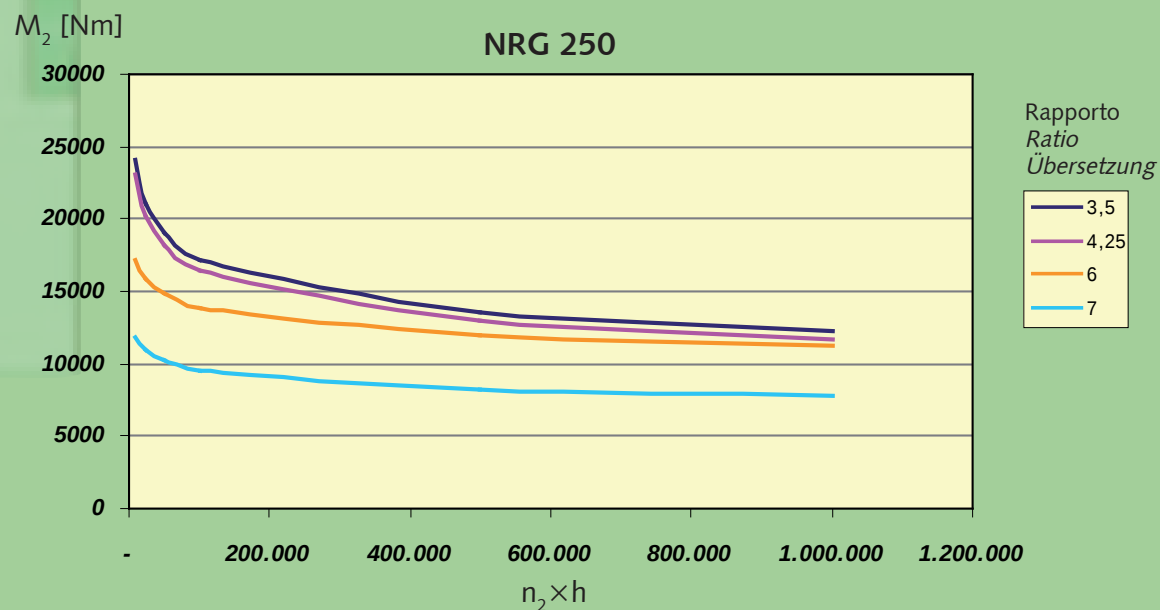
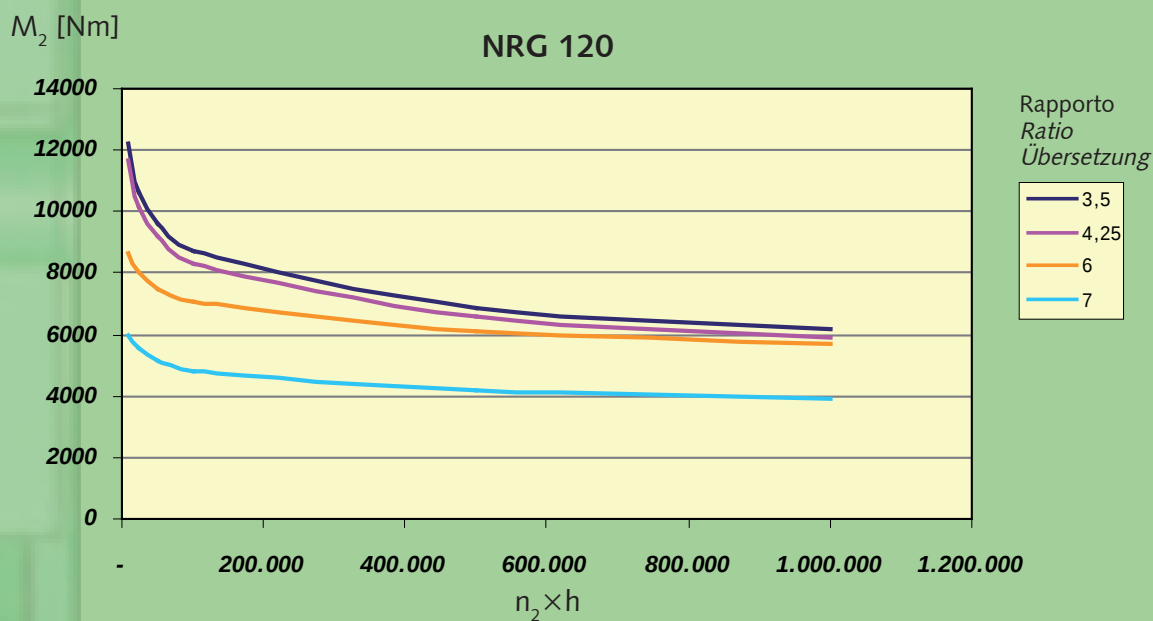
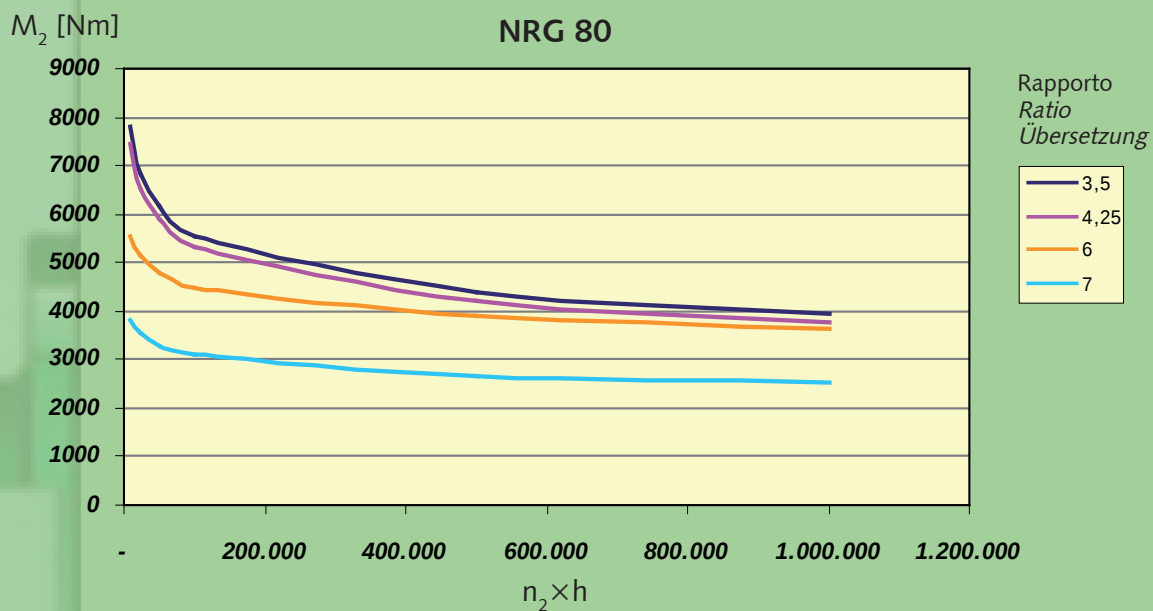
P1/1 = P1 mit 1 Untersetzungsstufe
P1/2 = P1 mit 2 Untersetzungsstufen
...
P1/n = P1 mit n Untersetzungsstufen

GRANDEZZA SIZE GRÖÖE	CI				MS			SD						HS						
	D	L	K	m	SC (DIN 5482)	m	N°	DS	DS1	DS2	Lc	Lc1	L	SC (DIN 5482)	D1	D2	Lc	C	U	G
NRG 10	42	82	12x70	M16	B40x36	M6	3x120°	50	62	30	38	12	55	A40x36	42	50	34,7	5	8	110
NRG 20	42	82	12x70	M16	B40x36	M6	3x120°	50	62	30	38	12	55	A58x53	60	75	51,5	8	1,5	190
NRG 40	65	105	18x90	M20	B58x53	M10	3x120°	75	100	40	70	25	85	A58x53	60	75	51,5	8	1,5	190
NRG 80	80	130	22x110	M20	B70x64	M10	3x120°	90	125	50	100	35	133	A70x64	72	90	67	9	4,5	230
NRG 120	100	210	28x200	M24	B80x74	M10	3x120°	120	165	80	85	50	107,5	A80x74	88	98	77	7	80*	278
NRG 250	110	210	2 x 28x200	M24	B100x94	M14	3x120°	130	175	80	100	50	120	A100x94	102	130	85	7	95*	340

* dist. Piano flangia-battuta esterna cavo
* distance flange/hub
* Abstand Abtreibsflansch/Hohlwelle

Nota: i dati e le misure sono indicativi e potrebbero subire modifiche
Notice: all dimensions and datas are approximate and could be amended
Hinweis: Die Daten und Abmessungen sind ungefaehr





DESIGNAZIONE PRODOTTO

PRODUCT DESIGNATION

TYPENBEZEICHNUNG

(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)
NRG	10	/	1	L	ECE	8	SM	MS	----
	20		2				SMR	CI	
	40		R	PAM	FM		HS		
	80				FMR		SD		
	120								
	250								

- (1) Denominazione prodotto
 (2) Grandezza
 (3) Nr. Stadi
 (4) Tipologia entrata:
 L = entrata in linea
 R = entrata ortogonale
 (5) Tipologia interfaccia entrata
 ECE = Estremità Cilindrica Entrata
 PAM = Predisposizione Attacco Motore IEC
 (6) Rapporto
 (7) Tipologia corpo/supporto
 SM = Shaft Mounted (corpo flangiato)
 SMR = Shaft Mounted Reinforced (corpo flangiato rinforzato)
 FM = Foot Mounted (corpo a piedi)
 FMR = Foot Mounted Reinforced (corpo a piedi rinforzato)
 (8) Tipologia interfaccia uscita
 MS = Maschio scanalato
 CI = Albero cilindrico con linguetta
 HS = Femmina scanalata
 SD = Calettatore
 (9) Specifiche aggiuntive (tipo PAM, e varie da definire)

- (1) *Product designation*
 (2) *Size*
 (3) *Nr. Stages*
 (4) *Input*
 L = *in line*
 R = *bevel helical*
 (5) *Input*
 ECE = *Solid input*
 PAM = *IEC Input*
 (6) *Ratio*
 (7) *Housing/Output connections*
 SM = *Shaft Mounted*
 SMR = *Shaft Mounted Reinforced*
 FM = *Foot Mounted*
 FMR = *Foot Mounted Reinforced*
 (8) *Output*
 MS = *Splined shaft*
 CI = *Solid shaft with key*
 HS = *Splined hollow shaft*
 SD = *Taper lock*
 (9) *Other specs to be added (PAM type, etc..)*

- (1) *Typenbezeichnung*
 (2) *Größe*
 (3) *Zahl Stufen*
 (4) *Antrieb*
 L = *coaxial*
 R = *wegelstirnrad*
 (5) *Antriebstyp*
 ECE = *antriebswelle*
 PAM = *IEC anschluss*
 (6) *Übersetzung*
 (7) *Gehäuse/Abtriebsausführungen*
 SM = *Aufsteckausführung*
 SMR = *Verstärkte Ausführung*
 FM = *Fussbefestigung*
 FMR = *Verstärkte Fußbefestigung*
 (8) *Abtrieb*
 MS = *Keilwelle*
 CI = *Welle mit paßfeder*
 HS = *Keilhohlwelle*
 SD = *Schrumpfscheibe*
 (9) *Andere Eigenschaeften (PAM Ausführung usw.)*



SOCIETÀ ITALIANA TRASMISSIONI INDUSTRIALI



RIDUTTORI
 MOTORIDUTTORI
 VARIATORI CONTINUI
 MOTORI ELETTRICI C.A./C.C.
 GIUNTI ELASTICI

GEARBOXES
 GEARED MOTORS
 SPEED VARIATORS
 A.C./D.C. ELECTRIC MOTORS
 FLEXIBLE COUPLINGS

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